Technical Specification Group Services and System Aspects **TSGS#18(02)0631**

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

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

Meeting #17, Biarritz, France

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

Title: **Draft Report of meeting #17 version 0.0.5 (with revision marks from version 0.0.4)**

Document for: **Approval**

Contents

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen, opened the meeting and welcomed delegates to Biarritz, France. Mr. Francois Coureau Welcomed delegates to the meeting on behalf of Alcatel and provided the domestic arrangements for the meeting. He wished everybody a good and successful meeting.

2 Approval of the Agenda

TD SP-020415 Draft Agenda for TSG SA meeting #17. The draft agenda was reviewed, the Future Evolution Workshop documents were allocated under agenda item 8.9. The agenda was approved.

IPR announcement: The TSG SA Chairman reminded delegates of their IPR declaration responsibilities.

3 Approval of the meeting report of TSG SA Meeting #16

TD SP-020416 Draft Report of TSG SA meeting #16. The report of the previous TSG SA meeting was approved. The revision marks will be removed and the approved version 1.0.0 will be placed on the 3GPP FTP site by the TSG SA Secretary after the meeting.

4 Items for immediate consideration

TD SP-020418 Creation of Open Mobile Alliance. This was provided and introduced early in the meeting in order for delegates to consider the issues and return to it later in the meeting. It was introduced by mmO2 on behalf of the source companies. It informed 3GPP that the Open Mobile Alliance asked for related work in 3GPP to be moved into the OMA to allow a focus for the work and prevent non-harmonised solutions. There was some discussion and general agreement that a close relationship with the OMA work would be beneficial, but there should not be any delay in the progress of this work. The Chairman clarified that 3GPP could not have influence on OMA, but could be considered as a clear co-operation partner for the OMA work of 3GPP. The terms of reference for 3GPP should not be affected by this new body, but should be considered by 3GPP in order to help achieve harmonisation between technology platforms It was agreed that Liaison with OMA in the usual way was adequate for co-operation at the present time.

5 Reports from TSG SA ad-hoc meetings

There were no ad-hoc meetings held since TSG SA #16. The Future Evolution Workshop meeting was held during the TSG SA #17 and is reported under agenda item 8.9.

6 Letters / Reports from other groups

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

TD SP-020419 Reply LS on Subscriber and Equipment Trace Impacts. This was provided by RAN WG3 for information and requested detailed requirements for the UTRAN in order to progress their work in this area. The LS was noted.

TD SP-020425 Reply LS on Subscriber and Equipment Trace Impacts. This was provided by CN WG4 for information and informed groups that detailed requirements were required before work could progress on this topic. The LS was noted.

6.2 Partners and their bodies

TD SP-020417 LS to T WG2 and SA WG5 on MMS Volume Definition. This was provided by BARG for information to TSG SA, a reply from T WG2 was provided in TD SP-020426 (see below) and the LS was then noted.

TD SP-020426 LS on Alignment of Message Size Definition. This was provided by T WG2 for information. It was reported that charging issues had been discussed in SA WG5 and was in progress between the groups. No intervention was considered necessary from TSG SA at this point, and the LS was then noted.

TD SP-020582 Liaison Statement on Storage of MMS Parameters on the SIM. This was provided by the GSMNA CTO Advisory Group and was introduced by the TSG SA Vice Chairman. It suggested the provision of service requirements for MMS Parameter storage by SA WG1, and was provided to TSG SA for information. It was considered that the introduction of functionality into Release 4 was equivalent to the introduction of these parameters on the USIM in Release 4. A related LS from SA WG1 was provided in TD SP-020586 which was introduced by the SA WG1 Chairman (it was explained that the liaison had arrived late due to an error in LS handling, and the document was considered after delegates were given time to consider it, see agenda item 7.1.2).

6.3 Others

There were no specific contributions under this agenda item.

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-020546 Status report of SA WG1 to SA #17. The status report from SA WG1 to TSG SA was presented by the SA WG1 Chairman using the presentation slides provided in TD SP-020545.

After the presentation of contributions from SA WG1, the SA WG1 Chairman was thanked for his report, which was noted.

7.1.2 Questions for advice from TSG SA WG1

TD SP-020585 LS on Multimodal and Multi-device Services. This LS to OMA was copied to TSG SA for information. It was introduced by the SA WG1 Chairman and was noted.

TD SP-020586 Discussion on MMS configuration information. This LS was introduced by the SA WG1 Chairman which introduces the issues and provides some arguments for and against storing parameters on the SIM, and asked TSG SA to provide guidance on the way forward for MMS configuration parameter storage. There was no objection to including this as mandatory in the Release 4 SIM, if support is optional for in the Release 4 MS, a Release 5 MS will always utilise a USIM and therefore the parameters will be present. It was agreed that SA WG1 should provide CRs for this. With this decision, TD SP-020526 was noted.

TD SP-020584 Considerations about Migration from SIM to UICC/USIM. This was provided by Nokia and Siemens and asked TSG SA to consider the following questions:

- What are the obstacles, if any, for the vendors and especially for the operators to start comprehensive USIM deployment?
- What corrective actions need to be taken in 3GPP to avoid these obstacles?

These questions were clarified to ask whether the use of SIM in Release 5 was necessary, if USIM deployment was comprehensive, or whether it was foreseen that support for SIM in Release 5 onwards would be necessary. It was agreed that there was no foreseen problem with moving to the USIM only from Release 5 onwards from a standardisation point of view.

7.1.3 Approval of contributions from TSG SA WG1

TD SP-020547 Release 99/4/5 CRs to 22.011 on correction to periodic PLMN scan. These CRs were approved.

TD SP-020548 Release 4/5 CRs to 22.105 on Forbidden LAs for regional provision of service. It was reported and agreed that this is not SoISA, which is supported only in GSM, and is not related to UTRAN. The CR appeared to have incorrect justification and was incomplete. These CRs were **rejected**.

TD SP-020549 Release 5 CRs to 21.905 on definitions and abbreviations. It was noted that these CRs had been produced before the latest version of 21.905 was available and had therefore been produced to the wrong version. The CRs were revised to be written to the correct version of the specification in TD SP-020596 and were approved.

TD SP-020550 Release 5 CRs to 22.078 on CAMEL. It was reported that TSG CN had approved related CRs for this Functional Change in their meeting. These CRs were approved.

TD SP-020551 Release 5/6 CRs to 22.101 on Clarifications on ISIM requirements Rel 5. These CRs were related to CRs provided in TD SP-020557 which was considered together with these CRs. A related contribution was also provided in TD SP-020593. A ~~seperate~~separate discussion group was set up for the ISIM issue, and provided TD SP-020624 which was introduced by Telia. There was discussion over the use of terms UE functionality Split and Linked Subscriptions. In order to produce a version with acceptable wording, interested parties were asked to get together and produce an update in the break for approval later in the meeting. This was provided in TD SP-020625 which was approved. It was noted that the drafting group~~e~~ had o~~m~~mitted to remove GemPlus and that Orange also needs to be removed from the list of Supporting Companies.

The CRs in TD SP-020551 were **rejected** **it was noted** **that this does not imply that T WG3 are required to make rel~~e~~ated changes to their specifications**.

TD SP-020593 IMS, part of the 3GPP system. This was introduced by Vodafone, and reports that during the SA WG1 plenary strong objection was received from mobile operators towards the proposal to make ~~on a UICC~~ the relationship between USIM and ISIM application and subscription independent of each other ~~in~~ on a Release 6 UICC. It provides discussion and proposed conclusions and asked TSG SA to endorse these

conclusions and consequently reject the CRs 22.101 CR 106 and CR 097r1, in TD SP-020557. It also asked TSG SA to agree that binding IMS subscription with CS/PS subscription is a mandatory requirement, to agree that USIM and ISIM (and other future 3GPP SIM applications on an UICC) are complementary functionality to perform the SIM role for the 3GPP system and therefore ~~that~~ they depend on each other to use each other's functionality, concluding ~~and therefore~~ that the proposal for multiple ISIM subscriptions on one UICC will then become~~s~~ obsolete.

The SA WG1 Chairman clarified that there were concerns raised by some operators in the SA WG1 meeting over these CRs, but there had not been objection to their approval for presentation to TSG SA.

The TSG SA Chairman asked the companies objecting to the CRs on this topic~~,~~ (which TSG SA had asked SA WG1 to elaborate)~~, should~~ to provide the same level of argument in SA WG1 in order that discussions in TSG SA can be minimised. A drafting group was set up of interested parties to provide information to SA WG1 on the principles for access independence issues. A WID was provided in TD SP-020625 to study this issue.

TD SP-020557 Release 6 CRs to 22.101 on various subjects. CRs 103, 104 and 105 were approved, CRs 097 and 106 were postponed for further ISIM discussion. After this discussion, CRs 097 and 106 were **rejected**.

TD SP-020552 Release 5 CRs to 22.101 on service delivery and emergency calls. It was asked whether CR 100r1, concerning Emergency Calls, was related to National regulation, rather than a standardisation requirement. It was clarified that the proposed change allowed the Emergency Call requirements to be fulfilled in countries with differing Emergency Call numbers and was applicable to countries where Emergency Call requirements must be met. The requirement on the ME is that if it utilises the downloaded information, then it will use the CN to attempt to establish Emergency Calls. These CRs were approved. It was noted that related work was needed in the CN groups.

TD SP-020553 Release 5 CR to 22.140 on Removal of SMS and USSD as possible bearers. This CR was approved.

TD SP-020554 <WITHDRAWN>.

TD SP-020555 Release 6 CRs to 21.905 on definitions and abbreviations. These CRs were approved.

TD SP-020556 Release 6 CRs to 22.071 on LCS (Various). It was clarified tat the standard will contain a superset which can fulfil all regional regulatory requirements and the licensing conditions for particular operators will determine which requirements need to be fulfilled for a particular region. The CR to remove hidden text of previous versions of the document was agreed, but it was considered unnecessary to have a CR for this type of transparent change. These CRs were approved.

TD SP-020558 Release 6 CR to 22.105 on subscriber certificates. This CR was approved.

TD SP-020559 Release 6 CRs to 22.127 on OSA. There was a problem with CR 052, as it had an incorrect CR number and subject on the CR cover sheet. CR 053 was questioned, as the CN WG5 secretary reported that in order for CN WG5 ~~did not have the intention~~ to fulfil these requirements, supporting companies are requested to bring in stage 3 contributions. **It was stressed that companies supporting this work needed to provide resources to CN WG5 to achieve this work**. TSG CN were asked to monitor the progress on this work. The CR package was revised in TD SP-020598 to prevent future confusion, which was approved.

TD SP-020560 Release 6 CRs to 22.141 on Presence. These CRs were approved.

TD SP-020561 Release 6 CRs to 22.146 on MBMS. These CRs were approved.

TD SP-020562 Release 6 CRs to 22.228 on IMS. CR 015r1 was postponed until after the ISIM discussions which resulted in CR015r1 being **rejected**. CR 017 was approved.

TD SP-020563 Release 6 CRs to 22.233 on PSS server file format. These CRs were approved.

TD SP-020564 Release 6 CR to 22.242 Clean-up of Digital Rights Management. It was reported that an objection to the removal of this text had been received from Orange, who sustained the objection. TSG SA noted the objection and asked Orange to submit requirements proposals to cover their concerns to the next SA WG1 meeting. This CR was approved.

TD SP-020565 TR 22.951 version 1.0.0 on Network Sharing. This TR was provided for information and was noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020566 TS 22.250, Version 1.0.0 on IMS group management capability. This TS was provided for information and was noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020567 TR 22.940, Version 1.0.0 on IMS Messaging. This TR was provided for information and was

noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020568 TS 22.240, Version 1.0.0 on Generic User Profile (GUP). This TS was provided for information and was noted. SA WG1 had requested feedback on this document from SA WG3 who were encouraged to provide information to SA WG1 in good time. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020569 TR 22.934 version 2.0.0 on Wireless Local Area Networks (WLANs). It was questioned whether the scenarios included in the document were expected to be performed in 3GPP specifications. It was clarified that the conclusions provided at the end of the document explained the procedure SA WG1 considered the most appropriate way forward with standardisation. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020570 TR 22.977, Version 2.0.0 on Speech Enabled Services. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020571 TS 22.174, Version 2.0.0 on Push Service for Approval. The open issues in the document were questioned, e.g. charging aspects, which were left for further study and the section for Feature Interaction was empty. It was reported that the FFS should have been removed and the Feature Interaction section was recognised as needed at the end of the SA WG1 meeting and this would be subject to CRs at the next SA WG1 meeting. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020572 TS 22.243, Version 2.0.0 on Speech Recognition Framework for Automated Voice Services for Approval. References [8] and [9] were reported as not publicly ~~ally~~ available, this was checked and it was found that the ETSI ESs were publicly ~~ally~~ available. SA WG1 were asked to rearrange the references to the usual format. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020573 Updated IMS group management WI (update of workplan). This WI description was approved.

TD SP-020574 Updated WLAN Interworking WID. This WI description was approved.

TD SP-020575 Updated IMS WID to include Access Independence and Interoperability with Other IMS systems. It was clarified that these items are not part of Release 5. MCC were asked to try to provide a system to ensure consistent naming for work items in order to prevent confusion. There was objection to the addition of Access Independence technologies as the definition was not clear. This WI description update was **rejected** and delegates were invited to bring improved proposals for the scope of the WID to SA WG1 if they felt it necessary. It was noted that the current wording of the WID does not prevent the work from progressing.

TD SP-020576 Updated LCS enhancements WID to include Galileo. Siemens and Ericsson both reported that they do not support the work on Galileo at this time, and withdrew their support from the WI. This left only 3 supporting companies and the WID update was **rejected**. Any further company support or modification of the scope should be provided to SA WG1.

TD SP-020577 Update of GUP WID. It was noted that SA WG2 also had a proposal for update to this WID in TD SP-020539. This WI description was approved.

It was reported that there had been discussions about splitting the T WG2 tasks into a separate WID. **The TSG SA Chairman stated that each TSG should have a WID for its own tasks**.

TD SP-020578 Proposed WID on Feature Interactions Requirements. It was clarified that this WI was related to the interaction between 3GPP services. It was reported that some work had already been performed in T WG2 and SA WG1 were asked to take this into account. The Rapporteur company was clarified as AWS, who will provide a named Rapporteur to SA WG1. This WI description was approved.

TD SP-020579 Proposed WID on a Generalised Privacy Capability. This WI description was approved.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-020527 Report of SA WG2 results at SA#17. The status report from SA WG2 to TSG SA was presented by the SA WG2 Chairman.

Slide 18: It was noted that the Stage 1 Push service specification had been approved and SA WG2 invited contribution to progress the Stage 2 work.

Slide 19: It was clarified that the changes from Release 5 to Release 6 on Emergency Calls are to cover more than only CS emergency call handling, which is covered in Release 5.

Slide 20: WLAN work: Scenario 2 was requested by SA WG1 as the starting place for work, Scenario 3 will be studied after this work.

Slide 21: Interoperability between IMSs was clarified to

After the presentation of contributions from SA WG2, the SA WG2 Chairman was thanked for his report, which was noted.

7.2.2 Questions for advice from TSG SA WG2

TD SP-020420 Liasion Statement on GUP DDF. This was introduced by the SA WG2 Chairman, a response from T WG2 to this LS was provided in TD SP-020599 and was considered.

TD SP-020599 Response LS from T WG2. This was provided for information.

Discussion on the relevance of this to OMA work occurred. It was considered the task of the OMA group to determine whether this was of any interest to them. The LSs in TD SP-020420 and TD SP-020599 were noted.

TD SP-020441 Response to “LS on new requirements about functionality to make subscription to different domains independent or linked based on operator decision”. This was introduced by the SA WG2 Chairman and had been copied to TSG SA for information and was noted.

TD SP-020443 Reply LS on "Gb evolution". This was introduced by the SA WG2 Chairman and provided a summary of the discussions in SA WG2. The details were mainly related to TSG GERAN. It was reported that the current proposed date for the joint session between SA WG2 and TSG GERAN was the week of 21 October 2002. The activity between SA WG2 and TSG GERAN was noted by TSG SA and the LS was noted.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-020529 CRs on TS 03.71, 23.171, 23.271 (LCS Stage 2). There was an objection to the need for 23.171 CR 028 as it was an unnecessary Release 1999 change. **23.171 CR 028 was rejected.** All other CRs were approved. Rel-6 mirror CRs were expected to be presented to the next TSG SA meeting.

TD SP-020530 CRs on TS 23.002 (Network Architecture). The TSG RAN Chairman asked that information on changes to figures, etc., as made in 23.002 CR099 and CR100, is provided to TSG RAN before submitting the CRs for approval, as such changes could have an impact on the RAN specifications. (This comment was also applicable to TSG GERAN). **23.002 CR099 and CR100 were rejected.** All other CRs were approved.

TD SP-020531 CRs on TS 23.107 (QoS Concept and Architecture). These CRs were approved.

TD SP-020532 CRs on TS 23.207 (End-to-End QoS). These CRs were approved.

TD SP-020533 CR on 23.221 (Architectural requirements). This CR was approved.

TD SP-020534 CRs on 23.228 (IMS Stage 2). These CRs were approved.

TD SP-020604 CRs on TS 03.60 and 23.060 (PS domain Stage 2). 23.060 CRs 407 408, 409 contained copy & paste errors and were revised. These 3 CRs were revised in TD SP-020606 (see below). There was an objection to 23.060 CRs 400, 401 and 402 as the CRs had been based on CRs 383, 384 and 385 and not 383r1, 384r1 and 385r1 and the revisions add technical changes. All CRs except the 6 CRs listed above were approved.

It had not been possible to finalise the drafting of the revised CRs and TSG SA were asked to endorse the principles for the update to avoid long discussions in SA WG2. **TSG SA endorsed the principle of the solutions based on the revision 1 CRs, as the technical solution and should be presented by SA WG2 to the next plenary when the editorial corrections have been completed.**

TD SP-020606 Revised CRs on 23.060 and 03.60. These CRs were approved.

A request was made to include the Release of the individual specifications in the CR package table in future.

TSs and TRs:

TD SP-020535 TR 23.846 v.2.0.0 on MBMS. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020536 TR 23.934 v.1.0.0 on WLAN FS. This TR was provided for information and was noted. Contributions were invited from WGs to further develop this work.

TD SP-020537 TS 23.XXX v.1.0.0 on WLAN Stage 2. This TS was proposed by SA WG2 and had been developed from the draft TR 23.934 WLAN feasibility study. The MCC specifications manager commented that the title given to this TS should be improved to clarify it. Further improvements were suggested, e.g. high level diagram of the architecture for WLAN interworking, clarification of the scope, etc.

This TS was provided for information and was noted. The SA WG2 Chairman noted the comments received and contributions to SA WG2 were invited to further develop this TS.

TD SP-020538 TS 23.141 v.1.0.0 on Presence. The SA WG2 Chairman requested that TSG SA consider this draft TS for approval, even though it had not previously been presented for information in order to allow work in other groups to progress in a timely manner. It was recognised that there was likely to be a number of CRs following approval in order to clarify and improve the document editorially. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

WI Descriptions:

TD SP-020539 Revised WID on GUP. This was **rejected**, as the WID is under SA WG1 control, and a revision had been provided to the meeting by SA WG1.

TD SP-020540 Updated WID for a FS on Dynamic Policy control enhancements for end-to-end QoS. This WI description was approved.

TD SP-020542 Updated WID for 3GPP-WLAN Interworking. This WI description was approved. SA WG2 were asked to include the scenarios covered by the TS in the Report to TSG SA.

TD SP-020543 WID description for Commonality and Interoperability between IMSs. Modifications were required to the Time Plan and Title, the WID was therefore updated in TD SP-020607 which was approved.

TD SP-020544 WID on IMS phase 2. This WI description was approved.

TD SP-020541 WID for Study into applicability of GALILEO for LCS. It was recognised that other Groups need to be involved in this study and the SA WG2 Chairman took note of this. This WI description was approved.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-020504 Report from SA WG3 to TSG SA #17. The status report from SA WG3 to TSG SA was presented by the SA WG3 Chairman.

Subscriber Certificates: The relationship of this to the DRM issue (proposal to move to OMA) was questioned. Did SA WG3 expect this to move also to OMA if DRM is transferred? The SA WG3 Chairman explained that this issue had not been considered so far, but felt that the OMA may be the right place to get the usage cases, whereas the complete development of Subscriber Certificate Security standardisation would need further consideration.

GSA3 A5/3 Algorithm. It was clarified that the use of 128 bits would be possible if the SIM can handle this key length in the future.

Ze Interface: It was reported that the Ze interface had been moved out of Release 5 and confirmation that this was targeted for Release 6 in SA WG3 was received from the SA WG3 Chairman. SA WG3 were asked to provide CRs to remove the Ze interface out of Release 5 specifications.

GERAN Security: The GERAN Vice Chairman reported that there was no plan to enhance the A interface. SA WG3 were expected to initiate any necessary enhancement requests to TSG GERAN for the A/Gb Mode.

The TSG CN Chairman reported that the IETF draft-arkko-map-doi-07 was a lower risk draft, which was noted.

After the presentation of contributions from SA WG3, the SA WG3 Chairman was thanked for his report, which was noted.

TD SP-020505 Report of SA WG3 meeting #24. This was provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

TD SP-020427 LS on introduction and adoption of A5/3 and GEA3. This was provided to TSG SA for information. Members were encouraged to consider this within their companies. **Manufacturers were asked to ensure that this was forwarded to the appropriate person(s) in their companies to ensure a good response to the LS**. The LS was then noted.

The existence of TS 22.022 in Rel-5 was questioned. This was investigated and found to be missing from

Rel-5 in error. The SA WG3 Secretary will provide the upgrade for Rel-5 from the Rel-4 version.

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-020583 12 CRs to 33.203. These CRs were approved.

TD SP-020509 3 CRs to 23.035. These CRs were approved.

TD SP-020510 1 CR to 33.106: Changes to 33.106 to clarify interception capabilities. This CR was approved.

TD SP-020511 2 CRs to 33.107. These CRs were approved.

TD SP-020512 1 CR to 33.108. This CR was approved.

TSs and TRs:

TD SP-020506 Final deliverables SAGE Task Force for GSM A5/3 and GEA3 design 55.216, 55.217, 55.218 and 55.919. These 3 TSs and 1 TR were approved and placed under TSG SA change control as version 6.0.0 (Rel-6). ETSI SAGE had recommended that these documents be provided only in PDF format and word versions were requested for easier handling. TSG SA agreed that Word versions should be provided when these are added to the 3GPP server.

TD SP-020507 TR 33.910: Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution (Rel-6). It was reported that the number for this TR had changed to TR 33.810, as it is intended as an internal 3GPP report. This TR was provided for information and was noted. SA WG3 were asked to include a cover sheet presenting the TR when it is presented for approval.

WI Description sheets:

TD SP-020513 Revised WID: Network Domain Security; IP network layer security (NDS/IP) for Release 6.

TD SP-020514 5 new WIDs:

- Support of the Presence Service Security Architecture. This WI description was approved.
- 3GPP Generic User Profile Security. This WI description was approved.
- Release 6 User Equipment Management: Security aspects. This was approved, conditionally upon the approval of the related WID in SA WG5 (see TD SP-020447, agenda item 7.5.3). The changes had no effect and so the WID was approved.
- Security Aspects of Multimedia Broadcast/Multicast Service (MBMS). This WI description was approved.
- WLAN Interworking Security WID. This WI description was approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-020431 Status report of SA WG4 to SA #17. The status report from SA WG4 to TSG SA was presented by the SA WG4 Chairman.

It was clarified that there will be no Characterisation specifications in the ITU-T. The ITU-T Characterisation results will be contained in the TR 26.976.

Extended transparent end to end PSS service: This TR characterises performance, but there has not been a great deal of contribution on this TR. It was noted that this may be good as part of the RAB Characterisation input to TSG RAN.

Slide 16: It was clarified that the funding requirements are in the output table of specifications. The TSG SA Chairman reported that requests for funding will be closely scrutinised by the 3GPP Partners due to proposed cuts in 3GPP Budget. The impact of not receiving the necessary funding should be considered. The SA WG4 Chairman reported that the results would be very useful and would require at least 1 Man-Year of resources. Members should consider the importance of this work, consequences of not doing the work and also consider other means of raising the funding than asking the 3GPP Partners.

The TSG SA Chairman agreed to indicate the potential need for this funding at the next Partners meeting.

It was recognised that future funding issues may need to be discussed at the next meeting, depending on the oucome of the Partners meeting.

After the presentation of contributions from SA WG4, the SA WG4 Chairman was thanked for his report,

which was noted.

7.4.2 Questions for advice from TSG SA WG4

TD SP-020422 LS on Allowed AMR-WB Configurations. This was introduced by the SA WG4 Chairman and explained that reduce ~~y~~ the number of configurations for AMR-WB to exactly 3 was requested by SA WG4. TSG SA were asked to approve this proposal (Rel-5). SA WG4 also asked other TSGs and WGs to consider the new proposal on simplification of AMR-WB speech telephony service and take the actions to incorporate the necessary changes into the Technical Specification under their responsibility (REL-5). TSG SA approved this reduction in configurations.

7.4.3 Approval of contributions from TSG SA WG4

CRs:

TD SP-020435 CRs to TS 26.231 and TS 26.232 - Corrections (R99, Release 4 and Release 5). The impact if not accepted for 26.131 CR012, CR013 and 26.132 CR014 and CR015 (Release 99 / Rel-4) was questioned. The SA WG4 Chairman explained that this was for the removal of "for further study" points, and had not system impact. These were not considered essential CRs for Release 1999 and Rel-4 and were therefore **rejected**. All other CRs were approved. Note that 23.131 CR014 and 23.132 CR016 (Rel-5) were therefore approved as Category "F" CRs.

TD SP-020436 CRs to TS 26.093 on Corrections of Codec Type Names (R99, Release 4 and Release 5). 26.093 CR007 (Rel-99) and CR008 (Rel-4) were **rejected** as non-essential. CR009 was approved (as Category "F").

TD SP-020437 CRs to TSs 26.103, 26.202 and 28.062 on Simplified TFO decision for AMR-WB and TFO/TrFO Signalling for allowed AMR-WB Configurations (Release 5). These CRs were approved.

TD SP-020438 CRs to TS 28.062 on TFO Signalling for preferred AMR-NB Configurations and TFO Version Handling (Release 5). These CRs were approved.

TD SP-020439 CRs to TS 26.234 - Corrections (Release 5). These CRs were approved.

TSs and TRs:

TD SP-020432 3GPP Draft TR 26.976 version 1.0.0 "AMR-WB Speech Codec Performance Characterization" (Release 5). This TS was provided for information and was noted.

WI description sheets:

TD SP-020433 New WID on Performance characterisation of default codecs for PS conversational multimedia application (Release 6). This WI description was approved.

TD SP-020434 Revised WID on Multimedia codecs and protocols for conversational packet switched services (Release 5). This WI description was approved.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-020444 Status report of SA WG5 to SA #17. The status report from SA WG5 to TSG SA was presented by the SA WG5 Chairman.

Trace Management: It was commented that trace management was a controversial issue, and a request for more detail on the Trace Management requirements was requested when the document becomes more mature. The SA WG5 Chairman responded that the work is influenced by the contribution at their meetings and members were asked to contribute to the work in order to meet the industry timescales.

After the presentation of contributions from SA WG5~~3~~, the SA WG5~~3~~ Chairman was thanked for his report, which was noted.

SA WG5 were thanked for the tremendous work they had performed to complete the Rel-5 work. The SA WG5 Chairman reported that they were around 95% complete on their deliverables and the OAM speci~~u~~fications can be regarded as frozen at the next meeting.

7.5.2 Questions for advice from TSG SA WG5

TD SP-020423 LS reply on "3GPP-specific Diameter applications". This was introduced by the SA WG5 Chairman and was provided for information. The LS was noted.

TD SP-020428 LS on User Equipment Management. This was introduced by the SA WG5 Chairman and asks the OMA Requirements group to inform SA WG5 and TSG SA how the OMA Requirements group considers User Equipment Management should be progressed across the standards organisations. No reply

had yet been received on this LS. It was noted that this action had been taken in order to initiate co-operation of work with OMA. This was copied to TSG SA for information and was noted.

7.5.3 Approval of contributions from TSG SA WG5

CRs:

TD SP-020449 Rel-5 CR 32.101 Introduction of new section “O&M of the UMTS Infrastructure Management”. This CR was approved.

TD SP-020450 Rel-5 CRs 32.102 . These CRs were approved.

TD SP-020451 Rel-5 CR 32.802 Corrections to Abbreviations, Architecuture, Proposed plan, Risks and Annex A clauses. This CR was approved.

TD SP-020474 Rel-4 CR 32.111-2 Remove functionality in the Rel-4 Information Service corresponding to Rel-5 Fault Management requirements. This CR was approved.

TD SP-020475 Rel-4 CR 32.111-3 Correction of CORBA IDL Optional Perceived Severity. This CR was approved.

TD SP-020476 Rel-5 CR 32.111-3 Addition of "indeterminate" probable cause in IDL definition. This CR was approved.

TD SP-020477 Rel-5 CRs 32.111-1/2/3. These CRs were approved.

TD SP-020478 Rel-5 CRs 32.111-2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020479 Rel-5 CRs 32.102/ 32303/ 32111-3 Add optional parameters in CORBA SS IDLs. These CRs were approved.

TD SP-020480 Rel-5 CR 32.111-4 Add Alarm Clearance Functionality in the CMIP SS. This CR was approved.

TD SP-020481 Rel-5 CR 32.300 upgrade to Rel-5. It was asked whether this is merely a copy of the Rel-4 version. It was reported that there had been a structure change for Rel-5 and the CR includes a table which shows the changes needed for this upgrade. This CR was approved.

TD SP-020482 Rel-4/5 CRs 32.303. These CRs were approved.

TD SP-020483 Rel-5 CRs 32.600/1/2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020484 Rel-4 CR 32.612 Correction of pre- and post-conditions for the operations getSessionStatus and getSessionLog. This CR was approved.

TD SP-020485 Rel-4 CR 32.613 Correct Mapping of fallbackEnabled Qualifier. This CR was approved.

TD SP-020486 Rel-5 CRs 32.611/2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020487 Rel-5 CR 32.621 upgrade to Rel-5. This CR was approved.

TD SP-020488 Rel-5 CR 32.62/3/4 upgrade to Rel-5 . These CRs were approved.

TD SP-020489 Rel-5 CRs 32.632/3 upgrade to Rel-5. These CRs were approved.

TD SP-020490 Rel-4 CR 32.642 UML corrections. This CR was approved.

TD SP-020491 Rel-5 CR 32.641 upgrade to Rel-5. This CR was approved.

TD SP-020492 Rel-5 CRs 32.642. These CRs were approved.

TD SP-020493 Rel-5 CR 32.643 upgrade to Rel-5. This CR was approved.

TD SP-020494 Rel-4 CR 32.652 UML corrections. This CR was approved.

TD SP-020495 Rel-5 CR 32.651 upgrade to Rel-5. This CR was approved.

TD SP-020496 Rel-5 CRs 32.652. These CRs were approved.

TD SP-020497 Rel-5 CR 32.653 upgrade to Rel-5. This CR was approved.

TD SP-020501 Rel-4 CR 32.401 Alignment with CM TSs of measurement file parameter descriptions and examples. This CR was approved.

TD SP-020502 Rel-5 CRs 32.401. These CRs were approved.

TD SP-020503 Rel-5 CRs 32.403. It was clarified that CRs 004, 005 and 006 were approved at the previous TSG SA Plenary and SA WG5 discovered a problem and asked MCC not to implement the changes. The

TSG SA Chairman clarified that any CR approved at TSG SA shall be implemented, and errors would need to be corrected by more CRs to remove the changes. SA WG5 were asked to follow the correct procedure in future. These CRs were postponed in order to check what can be done about the problem. The CRs were revised in TD SP-020609 and were approved.

TD SP-020454 Rel-4 CRs 32.235. These CRs were approved.

TD SP-020455 Rel-5 CR 32.235 Support for Network Persistent Storage in MMS charging. This CR was approved.

TSs and TRs:

TD SP-020456 Rel-5 New TS 32.321-200 Test Management IRP; Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020457 Rel-5 New TS 32.322-200 Test Management IRP IS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020458 Rel-5 New TS 32.323-200 Test Management IRP CORBA SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020459 Rel-5 New TS 32.324-200 Test Management IRP CMIP SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020460 Rel-5 New TS 32.625-200 Bulk CM IRP XML file formats for Generic NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020461 Rel-5 New TS 32.635-200 Bulk CM IRP XML file formats for CN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020462 Rel-5 New TS 32.645-200 Bulk CM IRP XML file formats for UTRAN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020463 Rel-5 New TS 32.655-200 Bulk CM IRP XML file formats for GERAN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020464 Rel-5 New TS 32.661-200 Kernel CM IRP Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020465 Rel-5 New TS 32.662-200 Kernel CM IRP IS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020466 Rel-5 New TS 32.663-100 Kernel CM IRP CORBA SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020467 Rel-5 New TS 32.664-100 Kernel CM IRP CMIP SS. This TS was provided for information and was noted. Members were urged to provide feedback to SA WG5 to progress this document towards approval.

TD SP-020468 Rel-5 New TS 32.671-200 State Management IRP Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020469 Rel-5 New TS 32.672-200 State Management IRP Information Service. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020470 Rel-5 New TS 32.673-100 State Management IRP CORBA SS . This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020471 Rel-5 New TS 32.674-200 State Management IRP CMIP Solution Set. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

It was clarified that State Management was related to fault Management, to take actions when faults are reported (e.g. send messages to equipment to remove from service, arrange for repair of the equipment and re-instate it into service).

TD SP-020472 Rel-5 New TS 32.691-100 Inventory Management Network Resources IRP: Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020473 Rel-5 New TS 32.692-100 Inventory Management Network Resources IRP: Network Resource Model. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020500 Rel-6 New TS 32.411-100 PM IRP Requirements. This TS was provided for information and was noted. Members were urged to provide feedback to SA WG5 to progress this document towards approval.

TD SP-020453 Rel-5 New TS 32.225 Charging data description for the IP Multimedia Subsystem (IMS). This was presented by SA WG5 for approval. There was a question over whether DIAMETER or FTP should be used. SA WG3 had left both options. Vodafone asked if SA WG5 could come to a decision on which Protocol to use. The SA WG5 Chairman explained that DIAMETER is always provided for Charging, and FTP is left as an optional Protocol. It was clarified that section 4.1.3 states that DIAMETER is necessary for IMS nodes, and other protocols are allowed for operators post-processing systems. This was a matter of large debates in SA WG5. It was proposed that the document should state that DIAMETER is mandatory for support. **TSG SA agreed that the support of DIAMETER is mandatory and the use of FTP should be further studied.** This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

WI Description sheets:

TD SP-020445 Rel-6 OAM Feature-level WID (Operations, Administration, Maintenance & Provisioning - OAM&P) - 32 Series (except Charging). This WI description was approved.

TD SP-020446 Rel-6 OAM-AR Building Block-level WID (Principles, high level Requirements and Architecture). This WI description was approved.

TD SP-020447 Rel-6 OAM-UEM Building Block-level WID (User Equipment Management). There was some discussion on the objectives in this WID, and it was clarified that T WG2 had worked closely with SA WG5 on this. A proposal to update the objectives to include the inclusion of a study of the work being done in other external groups and to include the focus for 3GPP systems operations. It was agreed to update this WID to take comments into account, and the updated version was provided in TD SP-020608 which was approved.

TD SP-020452 Rel-6 OAM-NIM Building Block-level WID (Network Infrastructure Management; 32100-, 300-, 600-Series). This WI description was approved.

TD SP-020499 Rel-6 OAM-PM Building Block-level WID (Performance Management; 32401, 32403, 32411, 32412, 32413). This WI description was approved.

TD SP-020448 Rel-6 SM Feature-level WID (Subscription Management). This WI description was approved.

7.6 3GPP Work plan

TD SP-020429 3GPP Work Plan. The 3GPP Work Plan was presented using summary slides in TD SP-020430. It was noted that this version had not yet been fully updated with the changes at this meeting and it would be updated after the meeting and made available on the 3GPP server.

TD SP-020430 3GPP Work Plan (Slide Presentation). This was presented by the MCC Work Plan Co-ordinator.

Slide 14: Iu Mode in GERAN. The slides shows this as Completed, but there was a contribution asking for more work on this. The GERAN Chairman responded that the work is complete, that is, functionally frozen, but there are a number of corrections still to be done. The SA WG2 Chairman provided background to the LS, i.e. that SA WG2 had asked GERAN which items were open and which were complete.

The TR for mapping RAB for RT IMS services did not appear in the slides, and it was asked whether this was included in the Work Plan. This should be checked to ensure it is not lost from tracking in the Work Plan.

Slide 51: It was reported that Uplink TDOA feasibility study was completed in GERAN#10 for Release 6. This was noted for the update of the Work Plan.

Questions to TSG SA:

Slide 45 - It was confirmed that the UE Functionality Split was not included in the Release 6 Work Plan.

Slide 10: Is High Speed Downlink Packet Access to be kept in Release 5? Completion of the main specifications was necessary before this work could start, which caused the delay. It was confirmed that all TAG RAN Release 4 specifications had been upgraded to Release 5.

The target date for Release 6 was discussed. It had already been agreed that at least a 1 year timescale for New Release development should be allowed. It was considered too soon to decide upon a freezing date for Release 6 without the necessary study of the amount of work needed for the additional Features to be included. It was decided to review all the stage 1 and stage 2 specifications which are programmed for beyond Release 5 and see what is complete enough to include in Release 6, then check the realistic completion date before making this decision. The LS from IETF also needs to be taken into account for the timescales of new work.

7.7 Review of TSG SA work programme

The review of the Work Plan was dealt with under agenda item 7.6.

7.8 Letters to other groups

The following Liaison statements were approved by TSG SA during the meeting:

Doc Number	Title	Agenda Item	Status
SP-020626	LS to OMA on Digital Rights Management	7.9	Approved
SP-020627	Response to IETF LS on Interoperability Issues and SIP in IMS	8.1.2	Approved

7.9 Other issues

TD SP-020581 DRM Consolidation. This was introduced by Motorola and provided a description of the work in OMA-DRM and requests that TSG-SA adopts the following recommendations:

1. 3GPP adopts the OMA DRM specifications whenever it needs to assume or specify DRM functionality.
2. No stage 2 work on DRM should be started in 3GPP. 3GPP TSG-SA adopts the OMA solution as the 3GPP technical architecture for DRM.
3. There are some working groups within 3GPP who may need to apply DRM within the context of their technical specifications, e.g. MMS and Streaming. In such cases, OMA and 3GPP should work together through a close working relationship to apply OMA DRM, and to identify changes (if any) to the OMA DRM specifications that may be needed as a result.

SA WG1 provide requirements. There are solutions available satisfying these requirements. Use this instead of developing parallel solutions.

It was generally agreed that using the work already performed by OMA was desirable, if it fulfilled the requirements developed by SA WG1. The legal and technical relationship with OMA would need to be clarified. A LS to OMA was produced to inform them of the desire of 3GPP to utilise their work, with the conditions that are required by 3GPP in order to do this. The LS was provided in TD SP-020617 which was updated to include 3GPP timescales for DRM and provided in TD SP-020626 which was approved.

TD SP-020440 WID about Satellite based broadcast layer using UTRA FDD W-CDMA technology. This was introduced by Alcatel and proposed a Study Item for direct approval at TSG SA. There was an objection to the introduction of this work item without first being agreed in the responsible WG. SA WG1 had asked Alcatel to take the WID to TSG SA to increase it's exposure. Interested companies should therefore join the debate on the proposal in SA WG1. It was noted that the supporting companies list included non-3GPP Members. TSG SA invited the supporting companies to take this proposal to SA WG1 and reminded delegates that 4 supporting companies and general support for the work is needed for acceptance of a WID. The WID was then noted.

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-020589 Draft meeting Report ofTSG CN#17 - version 1.0.0. This was provided for information and was noted.

TD SP-020590 Status Report from CN#17. The TSG CN Chairman presented the status report on TSG CN activities since TSG SA meeting #16.

Slide 4: Media Grouping: The TSG CN Chairman was asked if there were any LSs concerning this. He reported that there is a LS in TD SP-020587.

Questions for Guidance from SA:

SMS over GPRS

- *Is support mandatory in the network?*
- *If optional, then signalling needed towards UE*

Panasonic reported that their terminals implement this but some return error messages can cause confusion to the users.

The impact on, and interworking of, existing MSs in the market also needs to be considered. It was

recognised that an update of 09.94 and/or 09.95 would be required.

SA WG1 were asked to consider this and make a decision on the requirements for SMS over GPRS. CN WG1 would then need to find a solution based on the SA WG1 agreed requirements. The TSG CN Chairman reported that if SA WG1 can make a decision at their next meeting, then CN WG1 would be able to work on a solution before the next TSG CN Plenary.

22.060 includes the following requirement: "The network shall support SMS message reception and transmission for GPRS-attached class-C MSs". This implies that support is already mandatory in the network, although not all operators enable this.

TSG SA agreed that support of SMS over GPRS shall be **mandatory** in the network. TSG CN were invited to consider developing a "graceful" solution for Release 6 including some fall-back/error-handling solution to 09.94 and/or 09.95, in case the functionality had not yet been provided in a network.

IPv4/IPv6 Interworking

- *Need clarification on how/if work will be fed to CN*
  - *Application level translation*
  - *Transport level translation*

The SA WG2 Chairman reported that this is subject for discussion in SA WG2, but that had not started yet. SA WG2 were urged to come to a rapid conclusion in order to allow the work on this to progress.

Relationship with OMA

- *CN4 believes that Lr (MGLC-MGLC I/f) be based on Le*
- *LIF owns Le and is best suited to do Lr*
- *Work should be done in LIF or OMA with periodic reporting*
- *Work transfer from LIF to OMA expected in Oct.*

TSG SA believed that the relationship between 3GPP and OMA can be handled under the existing liaison procedure and any further interfaces needed could be looked into at a later time.

The TSG CN Chairman was thanked for the report, which was noted.

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

As part of the Status report, the TSG CN Chairman reported the following:

Release '97, '98, '99, 4 Status

- Reduced number of pre-release 5 corrections
- Inter-MSC relocation with multiple codecs
  - Resolved for Rel 99, Rel 4
  - Rel 5 solution agreed in principle, but CRs not agreed
- GTT Signalling support made release independent in UE

Release 5 Status Overview (IMS)

- CAMEL for IMS completed
  - 23.278 - CAMEL Phase 4 - Stage 2 IM CN Interworking
  - 29.278 - CAMEL Phase 4 - Stage 3 IM CN Interworking
- Closing of IMS open items
  - Only one CNx meeting, so limited progress over summer
  - Many IETF deliverables remaining (see SP-020524)
    - Diameter base is a significant problem
    - Liaison from SIP on 3GPP usage of IETF (SP-020591)
  - Remaining open items documented in SP-020605
- Media Grouping

- Solution using Keep It Separate indicator agreed
- Recommend it stays in Rel 5 if IETF dependency complete by Dec 02 (IESG approval).

Release 5 Status Overview (non-IMS)

- Network sharing in connected mode completed
- Stateless DNS Discovery using GPRS PCO IE completed
  - Generalized mechanism for delivery of info in PCO provided

Release 6 (New Items)

- IMS Phase 2 – Stage 3
  - Stage 3 realization of equivalent SA2 WID
  - Target is Sept 03.
- Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3
  - Stage 3 realization of equivalent SA2 WID
  - Target is Mar 04.
- OSA Release 6
  - Stage 3 realization of equivalent SA1 WID
- Media Gateway Control Function (MGCF) - IM Media Gateway (IMS-MGW) Mn Interface
  - MGCF control of IM-MGW (Different from Mc)

TD SP-020442 Reply LS on "Media grouping". This was introduced by the TSG CN Chairman, it had been provided by SA WG2 to TSG SA for information, and was noted.

TD SP-020587 Reply LS on Media grouping. This was introduced by the TSG CN Chairman and was noted.

TD SP-020424 LS on Media grouping. This was introduced by the TSG CN Chairman and was noted.

TD SP-020605 CN Release Open Items list. This was introduced by the TSG CN Chairman, it had been provided to TSG SA for information and was noted.

TD SP-020524 IETF Status Report. This was presented by the TSG CN Chairman and provided an overview of the status of 3GPP-related IETF work. He reported that Progress has been discouraging with little actually approved since CN#16. A full list of the items having publicly reached IETF approval state can be found in the IETF dependency list. The complete list of status (as of 21 August 2002) can be found on the 3GPP web site. Critical problem areas are AAA and SIPPING. A liaison from the IETF is expected to be introduced into the TSG CN and TSG SA plenaries. This will describe the concerns of the SIP WG chairs (with the blessing of the ADs) that 3GPP may be violating protocol principles within SIP. This report was noted.

TD SP-020591 Liaison Statement on Interoperability Issues and SIP in IMS. This was introduced by the TSG CN Chairman, who summarised the content of the LS. An LS from TSG CN related to this was provided to TSG SA in TD SP-020588 which was considered.

TD SP-020588 Response to IETF LS on Interoperability Issues and SIP in IMS. This was introduced by the TSG CN Chairman. TSG CN provided their position to the IETF and requested that TSG SA:

- *Considering the conclusions from TSG-CN as part of determining an overall 3GPP consensus on how to address SIP interoperability concerns from the IETF.*
- *If TSG SA agrees with the above conclusions, then direct the appropriate SA WGs to work with the CN WGs in investigating the interoperability impacts and proposing corrective CRs (by the December meeting). In particular, it is requested that SA WGs review their current requirement, architectural, and security assumptions in light of the identified non-compliances and investigate if any simplifying relaxations or modifications are reasonable.*
- *Allow changes to the release 5 specifications in December that are produced due to the alignment effort.*
- *Send a response liaison to IETF indicating that 3GPP supports the interoperability goals outlined in the IETF liaison and is undertaking to investigate what alignment can be done in the short term (Release 5). Also indicate that 3GPP encourages future collaboration with IETF to address those interoperability issues that cannot be quickly addressed. Furthermore, 3GPP must ensure backwards compatibility*

between IMS releases.

The proposed liaison to IETF should also be sent to all affected WGs in SA and CN to ensure they are made aware of the 3GPP position on this matter.

The proposals from TSG CN were accepted and a LS to IETF was provided in TD SP-020621. SA WG Chairmen were asked to bring the two LSs (TD SP-020588 and TD SP-020591) into their groups to ensure they are aware of the interaction with IETF on these matters. The LS was updated to show the future meeting dates as "TSGs" rather than "TSG SA" in TD SP-020627 which was approved.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG CN Chairman (see agenda item 8.1.1).

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-020618 TSG RAN Report to TSG SA#17. The TSG RAN Chairman presented the status report on TSG RAN activities since TSG SA meeting #16.

Slide 6: Two Rel-5 CRs have been conditionally approved subject to approval in GERAN and CN of the linked CRs (Iu UP support mode on Iu-cs for the IP transport option). This was explained that TSG RAN had conditionally approved CRs because they were concerned for consistency in the future on the work they have done. TSG SA agreed that these CRs are confirmed as approved and will be implemented. **These CRs should be used as a basis for the work in CN WG4.**

Slide 6: QPSK only User Equipment could be kept for HSDPA in Release 5: It was explained that QPSK will be allowed in Release 5. The decision for Release 6 will be taken by RAN WG1.

Slide 9: Feasibility study of UE antenna efficiency test methods performance requirements. The TSG RAN Chairman explained that this work had been stopped in TSG RAN as many other groups are working on this (CTIA, COST). It was preferred to appoint Rapporteurs from TSG RAN WGs to monitor the progress of different groups and taking their output into account. The documents are expected to be referenced in TSG RAN specifications if this is appropriate.

Slide 11: Analysis of higher chip rates for UTRAN evolution. Delegates were reminded that study Items in TSG RAN are just to show incremental gain to the current technology and then a decision can be made for potential Work Items based on the results.

On Viable Deployment of UMTS in different frequency arrangements there were also some question following discussion in RAN WG4 to decide whether or not TDD could be part of the study. The TSG RAN Chairman explained that there was a study under way because of the possibility of utilising another TDD spectrum, but as no decisions on which spectrum was available, the study was not easy to complete. SA WG2 would be consulted for QoS requirements for different RABs.

The TSG RAN Chairman was thanked for the report, which was noted.

TD SP-020602 Proposed Study Item description sheet for "Early UE handling in UTRAN". This was presented by the TSG RAN Chairman. It was clarified that this document was presented as the principle that TSG RAN will follow, but the final wording could not be agreed during the meeting. Nevertheless, it was presented because of the impact on TSG SA and TSG CN work.

The supporting companies (Vodafone Group, Nortel, Nokia, Ericsson, Siemens) proposed the following:

1) *A more detailed examination of how the 'hooks' work within RAN, for relocation/handover/etc, performed as part a new RAN SI.*

   a. *Discussion is invited in RAN on when to include the extension container in RRC*

2) *A more detailed examination of how the 'network indication' (either IMEI-SV/bitmap) work within RAN, for relocation/handover/etc, performed as part of a new RAN SI.*

3) *RAN asks SA to create a Work Item studying the overall architecture and signalling principles for early UE handling. It is expected that this WI will cover early UE handling, in RAN, CN, and GERAN.*

4) *At RAN#18 the results of the SI are presented.*

The question marks in section 2 were there to allow consideration and study of the final needs in order to remind the other involved WGs that some work needs to be done, but it was not clear whether or not this was needed to get the Study Item approved and the study started. The final Objectives is expected to

become clearer after some study.

3GPP system-level or RAN only solution. There are 2 levels, RAN concentrate only on the RAN aspects and not the Core Network aspects. This Study Item was noted and the other involved WGs were asked to start the activity based on input from RAN WG2 and RAN WG3.

TD SP-020603 Contribution to ITU R WP8F on the revision of Recommendation ITU-R M.1079. This was proposed by TSG RAN as an updated contribution on behalf of TSG SA and TSG RAN to the ITU-R. This was the result of the response from SA WG2 after their review of the M.1079. The reference to the 3GPP document was removed and the document updated in TD SP-020623 which was approved.

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

Release 1999 and Release 4

- Review of solutions for early Release '99 UE. TSG RAN WG2 tasked to introduce a bit allowing later introduction of additional information. No decision could be taken between use of IMEISV or RRC reserved bit. See Tdoc SP-020602 containing a draft Study item from RAN requesting also some participation on the study from TSG SA WG2 and CN – this study item is not yet fully agreed due to difficulties on the wording however the principle described was agreed.
- Clarification to the TSG RAN specifications were agreed to be incorporated first in Release 4 and hence in Release 5.
- Following SA4 proposal TSG RAN is awaiting conclusion on the AMR modes to be taken into account.
- It was agreed that new CRs on Release 99 shall from now be carefully reviewed by WGs to ensure the 'forward' compatibility with Release 4.
- A new TR was agreed to be started to complement 34.108 providing RAB configuration which are not for testing purposes: Typical examples of RABs and RBs supported by UTRA.
- There was an issue on Layer 3 filtering for measurement where two methods are proposed in Release 99. It was agreed to keep the two methods for Release 99 and Release 4 and to select only one as an improvement for Release 5.

Release 5

- Work on Release 5 is almost complete:
  - It was agreed that QPSK only User Equipment could be kept for HSDPA in Release 5. For Release 6 the issue will be revisited.
  - It was reminded that it was too late to introduce now new functionalities in the scope of Release 5.
  - The following work item has been completed:
    - UTRAN sharing in connected mode
- Two Rel-5 CRs have been conditionally approved subject to approval in GERAN and CN of the linked CRs:
  - CR488 to 25.413 "CRRM corrections" (linked to GERAN)
  - CR039 to 25.141 "Necessary changes for the Iu UP support mode on Iu-cs for the IP transport option" (linked to CN)
- Work on Release 5:
  - HSDPA several issues might be deferred to Release 6. This issue will be revisited during TSG RAN#18
  - PCG endorsed the principle of CRs to Iu and Iur for GERAN specific elements according to the previous principle. Some of the CRs had to be re-issued
  - Contribution to ITU – R was agreed for endorsement by the PCG on the next update of M.1457.
  - A second contribution on the update of M.1079 needs to be reviewed by TSG SA before it can be sent to the PCG (see Tdoc SP-020603)

Release 6

- Status of Work Items after TSG-RAN #16:
  - Change of completion date:
    - Improvement of RRM across RNS and RNS/BSS to be completed by TSG-RAN #18
    - Improved usage of downlink resource in FDD for CCTrCHs of dedicated type was agreed to be closed.
    - Beamforming Enhancements is moved to March 2003
    - Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods also moved to March 2003
    - Report Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN due to be completed in June 2003
  - Radio link performance enhancements completion date moved to December 2003.
  - Fast Cell Selection (FCS) for HS-DSCH completion date is moved to March 2003.
  - SRNS Relocation Procedure enhancement is closed as a study item no agreement to go for a work item.
  - Feasibility study of UE antenna efficiency test methods performance requirements is closed once again. TSG RAN WG4 was tasked to appoint rapporteurs to follow the work done in COST and CTIA.
- New Work beyond Rel-5:
  - New WIs approved at TSG-RAN #17:
    - No new Work Item was approved at this meeting except that discussion on a proposed WI on SRNC Relocation enhancements (Nokia) where several question were raised and could not be solved. This shall be reviewed at the next meeting.
  - New SIs approved at TSG-RAN #17:
    - Uplink Enhancements for Dedicated Transport Channels Distributed RAN Architecture
    - Analysis of higher chip rates for UTRAN evolution
    - Evolution of RAN Architecture
    - Early UE handling in UTRAN

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG RAN Chairman (see agenda item 8.2.1).

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-020594 TSG-T report to SA#17. The TSG T Chairman presented the status report on TSG T activities since TSG SA meeting #16.

Work Items:

WT_40. Testing of support for IMS, Rel-5

MMS enhancements approved by TSG T (see TD SP-020595).

Draft WID for REL-6 on User Equipment Management:

- SA5 comments requested for approval at T#18.
- The WI covers UICC applications as available today (USIM, ISIM).

Digital Rights Management:

DRM is considered an urgent market demand for MMS success, there were strong concerns about the timely availability of the 3GPP DRM solution. TSG T requested SA discussion for SA WG2's completion of DRM work in timely manner.

- TS 23.140 Stage 2 includes the MMS protection indicator in the message (not a complete solution).
- A first DRM solution is almost completed in OMA.

- Presentation on Mobile DRM for MMS by Beep science (example of DRM initiative in the market led by Telenor).

T WG3 requested to be involved in the work on DRM (regarding security issues).

Open Mobile Alliance:

- Report and Discussion on OMA meeting held in Rome.
- 3GPP and OMA relationship has to be further clearly defined.
- LS to OMA on ongoing Rel-5 MMS MM1 Stage3 work (TP-020258).

Slide 13: DRM. It was clarified that there is activity in OMA on DRM and TSG T would ensure that there was minimal duplication of work for 3GPP DRM.

Slide 12: MMS. MM Message Size definition. It was clarified that a SA WG5 CR had been approved on Message Size at this TSG SA meeting (TD SP-020454). It was generally agreed that the best expertise for this is in SA WG5.

Slide 9: It was asked how comprehensively the 2 packages cover the total set of test cases. This was not immediately clear and some off-line checking was needed in order to verify this.

Slide 10: MExE - Clarification on the "way forward" was requested. The TSG T Chairman explained that no functional changes will be made to TS 23.057 and effort will be concentrated on stabilising the specification. Once stable, it will be frozen (only Category "F" CRs will be considered).

Slide 17: DRM Security. The TSG T Chairman clarified that T WG3 intended to be involved in the (U)SIM-related security work.

Slide 8: Funding requirements ~~ets~~ for TTCN work. The TSG T Chairman clarified that there is 50Man-month resource endorsed for 2002/2003, a further 22 Man-months has been requested, 50% funded by GSMA, the other 50% to be provided by Manufacturers. This budget has to be approved by the PCG. He explained that this type of support was essential for the provision of TTCN.

The TSG T Chairman was thanked for the report, which was noted.

TD SP-020595 WID MMS enhancements. This was introduced by the TSG T Secretary. A need for further elaboration and new functionality of MMS had been identified in TSG T and this WID had been approved by TSG T.

The Objective bullet: "Consider and accommodate the needs of 3GPP IP Multimedia Subsystem (IMS)" was questioned. It was clarified that this was intended only to consider any interaction with IMS that may result from the MMS enhancements that result from this Work Item. The WID only lists existing specifications for possible changes, and does not expect the creation of any new specifications. TSG SA noted that CN WGs (in particular CN WG1) should be involved in the considerations of any interaction with the IMS.

The TSG SA Chairman suggested that companies think about which enhancements were of benefit for Rel-6. Any appropriate clarification or modification to the WID should be taken into TSG T. It was suggested that any Member with strong opinion about this should send delegates to the appropriate meetings of TSG T WGs.

SA WG1 were asked to produce a WID to elaborate the appropriate requirements for MMS Enhancements, in order that TSG T can focus their WID to these identified service requirements.

The WID had been provided to TSG SA for information and was noted.

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

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG T Chairman (see agenda item 8.3.1).

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG T Chairman (see agenda item 8.3.1).

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-020600 Report from TSG GERAN to TSG SA#15. The TSG GERAN Chairman presented the status report on TSG GERAN activities since TSG SA meeting #16.

Flexible Layer One Concept (FLOC): It was clarified that The idea of FLOC is to provide means to support

pseudo-optimised bearers (channel-coding) for services without having the need to define explict bearers (channel-coding) every time a new service or codec is defined.

The TSG SA Chairman thanked himself for his report.

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. Any issues were summarised in the Report from the TSG GERAN Chairman (see agenda item 8.4.1).

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG GERAN Chairman (see agenda item 8.4.1).

8.5 Letters to other groups

The following contribution to the ITU-T was endorsed by TSG SA during the meeting:

Doc Number	Title	Agenda Item	Status
SP-020623	Contribution to ITU-R WP8F on the revision of recommendation ITU-R M.1079	8.2.1	Approved

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

TD SP-020611 CR 010r1 to 21.101: "Correction to list of specs". This CR was approved.

TD SP-020612 CR 008r1 to 21.102: "Correction to list of specs". This CR was approved.

TD SP-020613 CR 001r1 to 21.103: "Correction to list of specs". It was noted that 22.663 and 22.664 had been omitted and 32.225 was updated to show its frozen date as this meeting. Other changes to the specifications list were made and the CR was updated in TD SP-020628 ~~**<RETURN>**~~ which was approved.

TD SP-020614 CR 008r1 to 01.01: "GSM Release 1999 specifications. This CR was approved. The specifications manager was asked to produce a CR to the next meeting to delete the GSM only parts of clause 5.

TD SP-020615 CR 007r1 to 41.102: "GSM Release 4 Specifications". This CR was approved.

TD SP-020616 CR 001r1 to 41.103: "Correction to list of specs". This CR was approved.

8.7 General aspects of Release handling and definition

There were no specific contributions under this agenda item.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item.

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

Future Evolution Workshop

TD SP-020597 Future Evolution Workshop Report. This was introduced briefly by the Workshop ~~Chairman~~ Convener. and was noted.

TD SP-020622 Minutes of the kick-off Workshop on Future Evolution .The minutes of the Workshop was presented by the Secretary of the Workshop. The proposed ToR was as follows:

- *The 3GPP evolution ad-hoc group produces the initial version of a long-term high-level road map to guide the future work for 3GPP.*
- *The ad-hoc focuses on items, which are pertinent to the evolution of 3GPP specifications.*
- *The high-level road map is envisaged to be a "living document" that can be updated to reflect future developments and innovation as necessary.*
- *Technical work based on the road map should be conducted by TSGs through normal 3GPP working procedures.*
- *The ad-hoc group reports to TSG SA Plenary meetings.*

The proposed ToR was approved by TSG SA.

The TSG SA Chairman suggested holding the next Workshop on the Sunday before the start of TSG SA meeting in order to allow the TSG SA meeting to continue uninterrupted by the Workshop.This was agreed in principle and the Host (NA Friends of 3GPP) agreed to investigate whether a room is available at the Venue. An objection was raised by BT Group to this on religious grounds, as some delegates may not be willing to work on a Sunday.

After meeting note: After checking availability of rooms, etc. the TSG SA Chairman, in consultation with the Vice Chairmen and representatives from the host, decided to postpone the start of TSG SA meeting #18 until Monday afternoon, starting at 13.00 and to hold the Future Evolution Workshop on Monday morning starting at 07.00.

The Workshop ~~Chairman~~ Convener was thanked for Chairing the Workshop and the report was noted.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

This was covered under agenda item 8.6.

9.2 Working methods

This was covered under agenda item 10.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

TD SP-020521 Specs status list prior to TSGs#17. This was provided for information and was noted.

TD SP-020522 Specs status list at end of TSG SA#18. This was not available, as it is produced just after the close of the meeting.

TD SP-020523 List of specs / releases. This was provided for information and was noted.

TD SP-020619 Report of Activities within MCC to TSG SA #17. This was presented by the Head of MCC.

The MCC workload still shows an increasing trend and, whichever way you look at it, that trend is not expected to reverse in the near future. However, It is now inevitable that the MCC resources will be reduced in 2003 and this will result in an additional burden on meeting delegates and the tasks currently being performed by volunteers. MCC will do its part in trying to maintain a high level of service and with the co-operation of 3GPP members it is hoped that this can be achieved.

Questions to TSG SA:

- TSG SA is asked to seek agreement on the cancellation of the CD-ROM service at TSG Plenaries and to indicate the date from which this change can take effect.

TSG SA agreed that CD-ROM would not be needed at future meetings except as a back-up in case of LAN failure.

- 3GPP Members are urged to identify areas where cost savings can be made, for example by changing the 3GPP structure (e.g. ~~,~~ merging groups) or reducing the number of meetings held, and to assist in the overall improvement of cost efficiency within the project.

Members were encouraged to discuss within their respective SDOs in order to ensure adequate funding for the MCC support and to consider where savings can be made to most efficiently utilise the budget for MCC.

The Head of MCC was thanked for providing the report, which was was noted.

11 Postponed issues from earlier in the meeting

Issues postponed for further discussion and elaboration are reported under their respective agenda items.

12 Work plan and future meetings

TD SP-020620 3GPP Calendar of meetings. This was provided for information. Delegates were asked to take note of the meeting dates and the document was noted.

13 Any other business

There were no specific contributions under this agenda item.

In memory of the tragic terrorist actions which occurred on 11 September 2001, 1 minute of silence was observed on Wednesday 11 September 2002.

14 Close of meeting

The TSG SA Chairman thanked the hosts, Alcatel, for the excellent ~~;;ent~~ meeting arrangements, the delegates for their hard work and closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

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Vice Chairman						
Vice Chairman						
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020415	Draft Agenda for TSG SA meeting #17		2	Approval		Approved
SP-020416	Draft Report of TSG SA meeting #16		3	Approval		Approved
SP-020417	LS to 3GPP T2 and 3GPP SA5 on MMS Volume Definition	BARG - CPWP		Information		Reply LS in SP-020426. Noted
SP-020418	Creation of Open Mobile Alliance	Alcatel, Orange, Openwave, mmO2, NTT DoCoMo, Vodafone, Nokia, Ericsson, AT&T Wireless, Sprint PCS, Telefonica, Oracle, SonyEricsson, T-Mobile, NEC, KDDI, Fujitsu, Motorola, Cingular Wireless, Siemens, Lucent Technologies	4	Discussion / endorsement		Cooperation with OMA using usual LS channels
SP-020419	Reply LS on Subscriber and Equipment Trace Impacts	RAN WG3	6.1	Information		Noted
SP-020420	Liasion Statement on GUP DDF	SA WG2	7.2.2	Information		Response from T2 in SP-020599. Noted
SP-020421	WITHDRAWN - Liasion Statement on GUP DDF	SA WG2	7.2.2	Information		WITHDRAWN - same as SP-020420
SP-020422	LS on Allowed AMR-WB Configurations	SA WG4	7.4.2	Action		Reduction in configurations approved by TSG SA
SP-020423	LS reply on "3GPP-specific Diameter applications"	SA WG5	7.5.2	Information		Noted
SP-020424	LS on Media grouping	CN WG1	6.1	Information		Noted
SP-020425	Reply LS on Subscriber and Equipment Trace Impacts	CN WG4	6.1	Information		
SP-020426	LS on Alignment of Message Size Definition	T WG2	6.1	Information		
SP-020427	LS on introduction and adoption of A5/3 and GEA3	SA WG3	7.3.2	Information		Noted. Manufacturers asked to ensure it is forwarded to the appropriate people
SP-020428	LS on User Equipment Management	SA WG5	7.5.2	Information		Noted
SP-020429	3GPP Work Plan	MCC (A. Sultan)	9.1			Will be updated after meeting with changes at the meeting
SP-020430	3GPP Work Plan (Slide Presentation)	MCC (A. Sultan)	9.1			Presented & Discussed
SP-020431	TSG S4 Status Report at TSG-SA#17	SA WG4 Chairman	7.4.1	Information		Noted
SP-020432	3GPP Draft TR 26.976 version 1.0.0 "AMR-WB Speech Codec Performance Characterization" (Release 5)	SA WG4	7.4.3	Information		Noted
SP-020433	New WID on Performance characterisation of default codecs for PS conversational multimedia application (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-020434	Revised WID on Multimedia codecs and protocols for conversational packet switched services (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020435	CRs to TS 26.231 and TS 26.232 - Corrections (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval		26.131CR012 and CR013 + 23.132CR014 and CR015 were rejected. Other CRs approved
SP-020436	CRs to TS 26.093 on Corrections of Codec Type Names (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval		26.093Cr007 and 008 rejected. CR009 approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020437	CRs to TSs 26.103, 26.202 and 28.062 on Simplified TFO decision for AMR-WB and TFO/TrFO Signalling for allowed AMR-WB Configurations (Release 5)	SA WG4	7.4.3	Approval (conditional)		Approved
SP-020438	CRs to TS 28.062 on TFO Signalling for preferred AMR-NB Configurations and TFO Version Handling (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020439	CRs to TS 26.234 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020440	WID about Satellite based broadcast layer using UTRA FDD W-CDMA technology	Alcatel				Authors asked to take to SA1 for further consideration. Noted
SP-020441	Response to “LS on new requirements about functionality to make subscription to different domains independent or linked based on operator decision”	SA WG2	7.2.2	Information		Noted
SP-020442	Reply LS on "Media grouping"	SA WG2	8.1.2	Information		Noted
SP-020443	Reply LS on "Gb evolution"	SA WG2	7.2.2	Action		
SP-020444	Status report of SA WG5 to SA #17	SA WG5 Chairman	7.5.1	Information		Noted
SP-020445	Rel-6 OAM Feature-level WID (Operations, Administration, Maintenance & Provisioning - OAM&P) - 32 Series (except Charging)	SA WG5	7.5.3	Approval		Approved
SP-020446	Rel-6 OAM-AR Building Block-level WID (Principles, high level Requirements and Architecture)	SA WG5	7.5.3	Approval		Approved
SP-020447	Rel-6 OAM-UEM Building Block-level WID (User Equipment Management)	SA WG5	7.5.3	Approval	SP-020608	Revised in SP-020608
SP-020448	Rel-6 SM Feature-level WID (Subscription Management)	SA WG5	7.5.3	Approval		Approved
SP-020449	Rel-5 CR 32101 Introduction of new section “O&M of the UMTS Infrastructure Management”	SA WG5	7.5.3	Approval		Approved
SP-020450	Rel-5 CRs 32102	SA WG5	7.5.3	Approval		Approved
SP-020451	Rel-5 CR 32802 Corrections to Abbreviations, Architecuture, Proposed plan, Risks and Annex A clauses	SA WG5	7.5.3	Approval		Approved
SP-020452	Rel-6 OAM-NIM Building Block-level WID (Network Infrastructure Management; 32100-, 300-, 600-Series)	SA WG5	7.5.3	Approval		Approved
SP-020453	Rel-5 New TS 32225 Charging data description for the IP Multimedia Subsystem (IMS)	SA WG5	7.5.3	Approval		Approved (Rel-5). Support of DIAMETER is mandatory, FTP use should be studied
SP-020454	Rel-4 CRs 32235	SA WG5	7.5.3	Approval		Approved
SP-020455	Rel-5 CR 32235 Support for Network Persistent Storage in MMS charging	SA WG5	7.5.3	Approval		Approved
SP-020456	Rel-5 New TS 32321-200 Test Management IRP; Requirements	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020457	Rel-5 New TS 32322-200 Test Management IRP IS	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020458	Rel-5 New TS 32323-200 Test Management IRP CORBA SS	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020459	Rel-5 New TS 32324-200 Test Management IRP CMIP SS	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020460	Rel-5 New TS 32625-200 Bulk CM IRP XML file formats for Generic NRM	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020461	Rel-5 New TS 32635-200 Bulk CM IRP XML file formats for CN NRM	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020462	Rel-5 New TS 32645-200 Bulk CM IRP XML file formats for UTRAN NRM	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020463	Rel-5 New TS 32655-200 Bulk CM IRP XML file formats for GERAN NRM	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020464	Rel-5 New TS 32661-200 Kernel CM IRP Requirements	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020465	Rel-5 New TS 32662-200 Kernel CM IRP IS	SA WG5	7.5.3	Approval		Approved (Rel-5)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020466	Rel-5 New TS 32663-100 Kernel CM IRP CORBA SS	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020467	Rel-5 New TS 32664-100 Kernel CM IRP CMIP SS	SA WG5	7.5.3	Information		Noted
SP-020468	Rel-5 New TS 32671-200 State Management IRP Requirements	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020469	Rel-5 New TS 32672-200 State Management IRP Information Service	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020470	Rel-5 New TS 32673-100 State Management IRP CORBA SS	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020471	Rel-5 New TS 32674-200 State Management IRP CMIP Solution Set	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020472	Rel-5 New TS 32691-100 Inventory Management Network Resources IRP: Requirements	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020473	Rel-5 New TS 32692-100 Inventory Management Network Resources IRP: Network Resource Model	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020474	Rel-4 CR 32111-2 Remove functionality in the Rel-4 Information Service corresponding to Rel-5 Fault Management requirements	SA WG5	7.5.3	Approval		Approved
SP-020475	Rel-4 CR 32111-3 Correction of CORBA IDL Optional Perceived Severity	SA WG5	7.5.3	Approval		Approved
SP-020476	Rel-5 CR 32111-3 Addition of "indeterminate" probable cause in IDL definition	SA WG5	7.5.3	Approval		Approved
SP-020477	Rel-5 CRs 32111-1/2/3	SA WG5	7.5.3	Approval		Approved
SP-020478	Rel-5 CRs 32111-2/3 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020479	Rel-5 CRs 32102/ 32303/ 32111-3 Add optional parameters in CORBA SS IDLs	SA WG5	7.5.3	Approval		Approved
SP-020480	Rel-5 CR 32111-4 Add Alarm Clearance Functionality in the CMIP SS	SA WG5	7.5.3	Approval		Approved
SP-020481	Rel-5 CR 32300 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020482	Rel-4/5 CRs 32303	SA WG5	7.5.3	Approval		Approved
SP-020483	Rel-5 CRs 32.600/1/2/4 (Basic Configuration Management Integration Reference Point (IRP)) - upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020484	Rel-4 CR 32612 Correction of pre- and post-conditions for the operations getSessionStatus and getSessionLog	SA WG5	7.5.3	Approval		Approved
SP-020485	Rel-4 CR 32613 Correct Mapping of fallbackEnabled Qualifier	SA WG5	7.5.3	Approval		Approved
SP-020486	Rel-5 CRs 32611/2/3 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020487	Rel-5 CR 32621 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020488	Rel-5 CR 3262/3/4 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020489	Rel-5 CRs 32632/3 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020490	Rel-4 CR 32642 UML corrections	SA WG5	7.5.3	Approval		Approved
SP-020491	Rel-5 CR 32641 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020492	Rel-5 CRs 32642	SA WG5	7.5.3	Approval		Approved
SP-020493	Rel-5 CR 32643 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020494	Rel-4 CR 32652 UML corrections	SA WG5	7.5.3	Approval		Approved
SP-020495	Rel-5 CR 32651 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020496	Rel-5 CRs 32652	SA WG5	7.5.3	Approval		Approved
SP-020497	Rel-5 CR 32653 upgrade to Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020498	WITHDRAWN	SA WG5				WITHDRAWN
SP-020499	Rel-6 OAM-PM Building Block-level WID (Performance Management; 32401, 32403, 32411, 32412, 32413)	SA WG5	7.5.3	Approval		Approved
SP-020500	Rel-6 New TS 32411-100 PM IRP Requirements	SA WG5	7.5.3	Information		Noted
SP-020501	Rel-4 CR 32401 Alignment with CM TSs of measurement file parameter descriptions and examples	SA WG5	7.5.3	Approval		Approved
SP-020502	Rel-5 CRs 32401	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020503	Rel-5 CRs 32403	SA WG5	7.5.3	Approval	SP-020609	postponed for off-line check. New CRs in SP-020609
SP-020504	Report from SA WG3 to TSG SA #17	SA WG3 Chairman	7.3.1	Information		Noted
SP-020505	Report of SA WG3 meeting #24	SA WG3 Secretary	7.3.1	Information		Noted
SP-020506	Final deliverables SAGE Task Force for GSM A5/3 and GEA3 design 55.216, 55.217, 55.218 and 55.919	SA WG3	7.3.3	Approval		Approved (Rel-6). Word versions to be placed on 3GPP server
SP-020507	TR 33.910 version 1.0.0: Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution (Rel-6)	SA WG3	7.3.3	Information		Internal TR - Number is TR 33.810. Noted
SP-020508	11 CRs to 33.203	SA WG3	7.3.3	Approval	SP-020583	Incorrect CR Cover sheet version used. Revised in SP-020583
SP-020509	3 CRs to 23.035	SA WG3	7.3.3	Approval		Approved
SP-020510	1 CR to 33.106	SA WG3	7.3.3	Approval		Approved
SP-020511	2 CRs to 33.107	SA WG3	7.3.3	Approval		Approved
SP-020512	1 CR to 33.108	SA WG3	7.3.3	Approval		Approved
SP-020513	Revised WID: Network Domain Security; IP network layer security (NDS/IP) for Release 6	SA WG3	7.3.3	Approval		Approved
SP-020514	5 new WIDs: Support of the Presence Service Security Architecture; 3GPP Generic User Profile Security; Release 6 User Equipment Management: Security aspects; Security Aspects of Multimedia Broadcast/Multicast Service (MBMS); WLAN Interworking Security WID	SA WG3	7.3.3	Approval		UEM approved pending approval of SP-020447. Other WIDS approved
SP-020515	WITHDRAWN: CR 010 to 21.101: "Correction to list of specs"	MCC (JMM)	9.2	Approval		WITHDRAWN. Updated version in SP-020611
SP-020516	CR 008 to 21.102: "Correction to list of specs"	MCC (JMM)	9.2	Approval	SP-020612	Revised in SP-020612
SP-020517	CR 001 to 21.103: "Correction to list of specs"	MCC (JMM)	9.2	Approval	SP-020613	Revised in SP-020613
SP-020518	CR 008 to 01.01: "GSM Release 1999 specifications.	MCC (JMM)	9.2	Approval	SP-020614	Revised in SP-020614
SP-020519	CR 007 to 41.102: "GSM Release 4 Specifications"	MCC (JMM)	9.2	Approval	SP-020615	Revised in SP-020615
SP-020520	CR 001 to 41.103: "Correction to list of specs"	MCC (JMM)	9.2	Approval	SP-020616	Revised in SP-020616
SP-020521	Specs status list prior to TSGs#17	MCC (JMM)	10	Information		Noted
SP-020522	Specs status list at end of TSG-SA#17	MCC (JMM)	10	Information		To be provided after close of meeting. Noted
SP-020523	List of specs / releases	MCC (JMM)	10	Information		Noted
SP-020524	IETF Status Report	TSG CN Chairman	8.1.1	Information		Noted
SP-020525	WITHDRAWN	SA WG5				WITHDRAWN
SP-020526	Storage of MMS Parameters on the SIM	AT&T Wireless, Cingular Wireless, SBC, Rogers Wireless	7.1.2	Discussion / Decision		Noted
SP-020527	Report of SA WG2 results at SA#17	SA WG2 Chairman + MCC Secretary	7.2.1	Information		Noted
SP-020528	CRs on TS 03.60 and 23.060 (PS domain Stage 2)	SA WG2	7.2.3	Approval	SP-020604	Revised in SP-020604
SP-020529	CRs on TS 03.71, 23.171, 23.271 (LCS Stage 2)	SA WG2	7.2.3	Approval		23.171CR028 Rejected. All other CRs Approved
SP-020530	CRs on TS 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		23.002CR099 and 100 Rejected. All other CRs Approved
SP-020531	CRs on TS 23.107 (QoS Concept and Architecture)	SA WG2	7.2.3	Approval		Approved
SP-020532	CRs on TS 23.207 (End-to-End QoS)	SA WG2	7.2.3	Approval		Approved
SP-020533	CRs on 23.221 (Architectural requirements)	SA WG2	7.2.3	Approval		Approved
SP-020534	CRs on 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020535	TR 23.846 v.2.0.0 on MBMS	SA WG2	7.2.3	Approval		Approved
SP-020536	TR 23.934 v.1.0.0 on WLAN FS	SA WG2	7.2.3	Information		Noted
SP-020537	TS 23.XXX v.1.0.0 on WLAN Stage 2	SA WG2	7.2.3	Information		Noted
SP-020538	TS 23.141 v.1.0.0 on Presence	SA WG2	7.2.3	Approval		Approved
SP-020539	Revised WID on GUP	SA WG2	7.2.3	Approval		Rejected (SA WG1 WI)
SP-020540	Updated WID for a FS on Dynamic Policy control enhancements for end-to-end QoS	SA WG2	7.2.3	Approval		Approved
SP-020541	WID for Study into applicability of GALILEO for LCS	SA WG2	7.2.3	Approval		Approved
SP-020542	Updated WID for 3GPP-WLAN Interworking	SA WG2	7.2.3	Approval		Approved
SP-020543	WID description for Commonality and Interoperability between IMSs	SA WG2	7.2.3	Approval	SP-020607	Revised in SP-020607
SP-020544	WID on IMS phase 2	SA WG2	7.2.3	Approval		Approved
SP-020545	Presentation of SA WG1 to SA #17	SA WG1 Chairman	7.1.1	Information		
SP-020546	Status report of SA WG1 to SA #17	SA WG1 Chairman	7.1.1	Information		
SP-020547	Release 99/4/5 CRs to 22.011 on correction to periodic PLMN scan	SA WG1	7.1.3	Approval		Approved
SP-020548	Release 4/5 CRs to 22.105 on Forbidden LAs for regional provision of service	SA WG1	7.1.3	Approval		Approved
SP-020549	Release 5 CRs to 21.905 on definitions and abbreviations	SA WG1	7.1.3	Approval	SP-020596	Revised in SP-020596
SP-020550	Release 5 CRs to 22.078 on CAMEL	SA WG1	7.1.3	Approval		Approved
SP-020551	Release 5/6 CRs to 22.101 on Clarifications on ISIM requirements Rel 5	SA WG1	7.1.3	Approval		See also SP-020625
SP-020552	Release 5 CRs to 22.101 on service delivery and emergency calls	SA WG1	7.1.3	Approval		Approved. Resulting work in CN to be done
SP-020553	Release 5 CR to 22.140 on Removal of SMS and USSD as possible bearers	SA WG1	7.1.3	Approval		Approved
SP-020554	WITHDRAWN - Release 5 CR to 22.233 on Requirement for efficient use of transport resources for PS Streaming	SA WG1	7.1.3	Approval		WITHDRAWN
SP-020555	Release 6 CRs to 21.905 on definitions and abbreviations	SA WG1	7.1.3	Approval		Approved
SP-020556	Release 6 CRs to 22.071 on LCS (Various)	SA WG1	7.1.3	Approval		Approved
SP-020557	Release 6 CRs to 22.101 on various subjects	SA WG1	7.1.3	Approval		CRs 103, 104, 105 approved. CRs 97r1 and 106 rejected
SP-020558	Release 6 CR to 22.105 on subscriber certificates	SA WG1	7.1.3	Approval		Approved
SP-020559	Release 6 CRs to 22.127 on OSA	SA WG1	7.1.3	Approval	SP-020598	Revised in SP-020598
SP-020560	Release 6 CRs to 22.141 on Presence	SA WG1	7.1.3	Approval		Approved
SP-020561	Release 6 CRs to 22.146 on MBMS	SA WG1	7.1.3	Approval		Approved
SP-020562	Release 6 CRs to 22.228 on IMS	SA WG1	7.1.3	Approval		CR017 approved - CR015r1 - return after ISIM discussions
SP-020563	Release 6 CR to 22.233 on PSS server file format	SA WG1	7.1.3	Approval		Approved
SP-020564	Release 6 CR to 22.242 Clean-up of Digital Rights Management	SA WG1	7.1.3	Approval		Approved. Orange asked to take requirements to SA WG1 meeting
SP-020565	TR 22.951 version 1.0.0 on Network Sharing for Information	SA WG1	7.1.3	Information		Noted
SP-020566	TS 22.250, Version 1.0.0 on IMS group management capability for Information	SA WG1	7.1.3	Information		Noted
SP-020567	TR 22.940, Version 1.0.0 on IMS Messaging for Information	SA WG1	7.1.3	Information		Noted
SP-020568	TS 22.240, Version 1.0.0 on Generic User Profile (GUP) for Information	SA WG1	7.1.3	Information		Noted
SP-020569	TR 22.934 version 2.0.0 on Wireless Local Area Networks (WLANs) for approval	SA WG1	7.1.3	Approval		Approved (Rel-6)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020570	TR 22.977, Version 2.0.0 on Speech Enabled Services for Approval	SA WG1	7.1.3	Approval		Approved (Rel-6)
SP-020571	TS 22.174, Version 2.0.0 on Push Service for Approval	SA WG1	7.1.3	Approval		Approved (Rel-6)
SP-020572	TS 22.243, Version 2.0.0 on Speech Recognition Framework for Automated Voice Services for Approval	SA WG1	7.1.3	Approval		Approved (Rel-6)
SP-020573	Updated IMS group management WI (update of workplan)	SA WG1	7.1.3	Approval		Approved
SP-020574	Updated WLAN Interworking WID	SA WG1	7.1.3	Approval		Approved
SP-020575	Updated IMS WID to include Access Independence and Interoperability with Other IMS systems	SA WG1	7.1.3	Approval		Rejected
SP-020576	Updated LCS enhancements WID to include Galileo	SA WG1	7.1.3	Approval		Rejected (lack of company support)
SP-020577	Update of GUP WID	SA WG1	7.1.3	Approval		Approved. SP-020539 also updates this WID
SP-020578	Proposed WID on Feature Interactions Requirements	SA WG1	7.1.3	Approval		Approved
SP-020579	Proposed WID on a Generalised Privacy Capability	SA WG1	7.1.3	Approval		Approved
SP-020580	1 CR to 33.203: Update of SA handling procedures (Rel-5)	SA WG3	7.3.3	Approval	SP-020583	CR number not included in CR Cover sheet. Revised in SP-020583
SP-020581	DRM Consolidation	Openwave, Nokia, Siemens, Ericsson, Motorola, Vodafone and others	7.9	Action		LS produced to OMA in SP-020617 -> SP-020626
SP-020582	Liaison Statement on Storage of MMS Parameters on the SIM	GSMNA CTO Advisory Group		Discussion		Noted. Related LS in SP-020586
SP-020583	12 CRs to 33.203	SA WG3	7.3.3	Approval		Approved
SP-020584	Considerations about Migration from SIM to UICC/USIM	Nokia, Siemens	7.1	Discussion		no foreseen problem with moving to the USIM only from Release 5 onwards
SP-020585	LS on Multimodal and Multi-device Services	SA WG1	7.1.2	Information		Noted
SP-020586	Discussion on MMS configuration information	SA WG1	7.1.2	Action		mandatory in the Release 4 SIM, if support is optional for in the Release 4 MS. SA WG1 to provide CRs
SP-020587	Reply LS on Media grouping	TSG CN	6.1	Information		Noted
SP-020588	Response to IETF LS on Interoperability Issues and SIP in IMS	TSG CN	6.1	Decision		Agreed. LS to IETF in SP-020621 -> SP-020627
SP-020589	Draft meeting Report ofTSG CN#17 - version 1.0.0	TSG CN Chairman	8.1.1	Information		Noted
SP-020590	Status Report from CN#17	TSG CN	8.1.1	Information		Noted
SP-020591	Liaison Statement on Interoperability Issues and SIP in IMS	Chairs, SIP, SIPPING, and SIMPLE Working Groups of the Internet Engineering Task Force	6.1	Information		Noted. LS from CN in SP-020588 considered
SP-020592	WITHDRAWN		8.9			WITHDRAWN
SP-020593	IMS, part of the 3GPP system	Vodafone & Orange	7.1.3	Discussion		WID created in SP-020625
SP-020594	TSG-T#17 Progress Report	TSG T	8.3.1	Information		Noted
SP-020595	WID MMS enhancements	TSG T	8.3.1	Information		Noted. S1 asked to produce WID for service requirements to help focus this WI
SP-020596	Release 5 CRs to 21.905 on definitions and abbreviations	SA WG1	7.1.3	Approval		Approved
SP-020597	Future Evolution Workshop Report	FHW Chairman		Information		Noted
SP-020598	Release 6 CRs to 22.127 on OSA	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020599	LS Response on GUP DDF Strategic Direction	T WG2	7.2.2	Information		Response to input LS in SP-020420 (not copied to SA). Noted
SP-020600	Report from TSG GERAN to TSG SA#15	TSG GERAN Chairman	8.4.1	Information		Noted
SP-020601	TSG RAN Report to TSG SA#17	TSG RAN Chairman	8.2.1	Information	SP-020618	Revised in SP-020618
SP-020602	Study Item description sheet for "Early UE handling in UTRAN"	TSG RAN	8.2.1	Information		Noted
SP-020603	Contribution to ITU-R WP8F on the revision of recommendation ITU-R M.1079	TSG RAN	8.2.1	Approval	SP-020623	Revised in SP-020623
SP-020604	CRs on TS 03.60 and 23.060 (PS domain Stage 2)	SA WG2	7.2.3	Approval		Some CRs moved into SP-020606
SP-020605	CN Release Open Items list	TSG CN Chairman	8.1.2	Discussion		Discussed & noted
SP-020606	Revised CRs on 23.060 and 03.60	SA WG2	7.2.3	Approval		Approved
SP-020607	WID description for Commonality and Interoperability between IMSs	SA WG2	7.2.3	Approval		Approved
SP-020608	Rel-6 OAM-UEM Building Block-level WID (User Equipment Management)	SA WG5	7.5.3	Approval		Approved
SP-020609	Rel-5 CRs 32403	SA WG5	7.5.3	Approval		Approved
SP-020610	Minutes of the kick-off Workshop on Future Evolution	FEW Secretary (MCC)	8.9	Presentation / Discussion	SP-020622	Revised in SP-020622
SP-020611	CR 010r1 to 21.101: "Correction to list of specs"	MCC (JMM)	8.6	Approval		Approved
SP-020612	CR 008r1 to 21.102: "Correction to list of specs"	MCC (JMM)	8.6	Approval		Approved
SP-020613	CR 001r1 to 21.103: "Correction to list of specs"	MCC (JMM)	8.6	Approval	SP-020628	Revised in SP-020628
SP-020614	CR 008r1 to 01.01: "GSM Release 1999 specifications.	MCC (JMM)	8.6	Approval		Approved
SP-020615	CR 007r1 to 41.102: "GSM Release 4 Specifications"	MCC (JMM)	8.6	Approval		Approved
SP-020616	CR 001r1 to 41.103: "Correction to list of specs"	MCC (JMM)	8.6	Approval		Approved
SP-020617	LS to OMA on Digital Rights Management	TSG SA	7.9	Approval	SP-020626	Revised in SP-020626
SP-020618	TSG RAN Report to TSG SA#17	TSG RAN Chairman	8.2.1	Information		Noted
SP-020619	Report of Activities within MCC to TSG SA #17	MCC (A. Scrase)	10	Information		Noted
SP-020620	3GPP Calendar of meetings	MCC	12	Information		Noted
SP-020621	Response to IETF LS on Interoperability Issues and SIP in IMS	TSG SA (S Hayes)	8.1.2	Approval	SP-020627	Revised in SP-020627
SP-020622	Minutes of the kick-off Workshop on Future Evolution	FEW Secretary (MCC)	8.9	Presentation / Discussion		Noted
SP-020623	Contribution to ITU-R WP8F on the revision of recommendation ITU-R M.1079	TSG RAN	8.2.1	Approval		Approved
SP-020624	Proposed WID: Study of subscriber and operator relationship in IMS and related ISIM requirements for Rel 6	ISIM discussion group	7.2.1		SP-020625	Revised in SP-020625
SP-020625	Proposed WID: Study of subscriber and operator relationship in IMS and related ISIM requirements for Rel 6	ISIM discussion group	7.2.1			Approved
SP-020626	LS to OMA on Digital Rights Management	TSG SA	7.9	Approval		Approved
SP-020627	Response to IETF LS on Interoperability Issues and SIP in IMS	TSG SA	8.1.2	Approval		Approved
SP-020628	CR 001r1 to 21.103: "Correction to list of specs"	MCC (JMM)	8.6	Approval		Approved

Annex C: List of attendees and TSG SA Voting List

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135~~5~~6 Participants

C.2 List of eligible Voting members for TSG SA#17

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #16 or #15 (representation of an Individual Member at any of TSG SA Meetings #15, #16 or #17).

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 #17**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.fr

Organisation Name	Organisation Status	Country
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
BT Group Plc	3GPPMEMBER - ETSI	GB
CATT	3GPPMEMBER - CWTS	CN
CEGETEL	3GPPMEMBER - ETSI	FR
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CWTS	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Cisco Systems Inc.	3GPPMEMBER - T1	US
CommWorks Corporation, a 3Com Company	3GPPMEMBER - ETSI	US
COMNEON GmbH & Co	3GPPMEMBER - ETSI	DE
COMPAQ Computer SpA	3GPPMEMBER - ETSI	IT
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
Elisa Communications Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
FEEI - Fachverband der Elektro- und Elektronikindustrie Bereich Technik	3GPPMEMBER - ETSI	AT
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS Card International	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
HEWLETT-PACKARD France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
Hutchison 3G UK Limited	3GPPMEMBER - ETSI	GB
Institute for Communications Research	3GPPMEMBER - ETSI	SG
INTERDIGITAL COMMUNICATIONS CORPORATION	3GPPMEMBER - ETSI	US
	3GPPMEMBER - ARIB	JP
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
KT ICOM	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies Networks System GmbH	3GPPMEMBER - ETSI	DE
Lucent Technologies Nederland B.V.	3GPPMEMBER - ETSI	NL
Lucent Technologies Japan Ltd.	3GPPMEMBER - ARIB	JP
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
Materna GmbH	3GPPMEMBER - ETSI	DE
Matsushita Communication Industrial Co, Ltd	3GPPMEMBER - ARIB	JP
MATSUSHITA COMMUNICATION INDUSTRIAL UK LTD	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
MITSUBISHI Electric Telecom Europe S.A.	3GPPMEMBER - ETSI	FR

Organisation Name	Organisation Status	Country
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
Motorola Inc.	3GPPMEMBER - T1	US
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
National Communications System	3GPPMEMBER - ETSI	US
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 Telecommunications Inc.	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nippon Telegraph and Telephone Corporation (NTT)	3GPPMEMBER - ARIB	JP
NTT COMWARE Corporation	3GPPMEMBER - TTC	JP
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 Research Institute	3GPPMEMBER - ETSI	GB
SAMSUNG Electronics Co., Tokyo R&D Branch	3GPPMEMBER - ARIB	JP
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SBC Communications Inc.	3GPPMEMBER - T1	US
Serome Technology, Inc.	3GPPMEMBER - TTA	KR
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
SK TELECOM	3GPPMEMBER - TTA	KR
SONERA Corporation	3GPPMEMBER - ETSI	FI
Sonera SmartTrust AB	3GPPMEMBER - ETSI	SE
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
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
Telekom Austria Aktiengesellschaft	3GPPMEMBER - ETSI	AT
Telenor AS	3GPPMEMBER - ETSI	NO
TELIA AB	3GPPMEMBER - ETSI	SE
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
VoiceStream Wireless Corporation	3GPPMEMBER - T1	US

Total: 10~~8~~9 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #17

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#17	Rel	TSG/ WG	Editor	Comment
TR	01.00	Working Procedures for SMG and PT SMG	8.0.0	R99	SP	BERGMANN, Ansgar	
TS	01.01	GSM Release 1999 Specifications	8.7.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	.
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	.
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	.
TS	01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements	8.0.0	R99	S1	MESSIET, Samira	CTS is dead duck
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	.
TS	02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)	8.2.1	R99	S1	KOKKOLA, Tommi	TSG#6: ->3G
TS	02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CARPENTER, Paul	
TS	02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CONRAD, Alan	#30: 8.0.0 TSG#6->3g
TS	02.04	General on Supplementary Services	8.1.0	R99	S1	CARPENTER, Paul	
TS	02.07	Mobile Station (MS) Features	8.1.0	R99	S1	JEAL, David	TSG#6: withdrawn
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	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!
TS	02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	.
TS	02.32	Immediate Service Termination (IST); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 22.032 R99.
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	8.1.0	R99	S1	KOKKOLA, Tommi	
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Place holder - no spec.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Place holder - no spec.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Place holder - no spec.
TS	02.40	Procedures for Call Progress Indications	8.0.0	R99	S1	DWYER, Paul	R99 -> 22.101
TS	02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	8.0.0	R99	S1	GILES, Les	
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	.
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	Nov-00: Created to fill the gap.
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	.
TS	02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1	8.0.0	R99	S1	CLAYTON, Michael	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	02.60	General Packet Radio Service Stage 1 Description	8.1.0	R99	S1	CARPENTER, Paul	#28: 8.0.0 #29: 8.1.0 (deleted, moved to 3GPP)
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	. TSG#10:8.1.0
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	8.0.0	R99	S1	GRECH, Michel	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	02.82	Call Forwarding (CF) Supplementary Services; Stage 1	8.0.0	R99	S1	EVEN, Anne	#28: 8.0.0 (to be deleted, moved to 3GPP)
TS	02.90	Unstructured Supplementary Service Data (USSD); Stage 1	8.0.0	R99	S1	SLOTTE, Sverre	#28: 8.0.0 (to be deleted, moved to 3GPP)
TS	02.94	Follow Me Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	#28: 1.0.0 #30: 8.0.0 August 2001: still debating whether this is GSM-only or common.
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	.
TS	03.01	Network Functions	8.0.0	R99	S2	GAASVIK, Per-Ola	Never produced; make do with R98 version.
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	
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	
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	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0
TS	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	8.0.0	R99	S3	WRIGHT, Tim	.
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	TSG#10:8.1.0
TS	03.35	Immediate Service Termination (IST); Stage 2	8.1.0	R99	S3	WRIGHT, Tim	SP-16: withdrawn in favouf of 23.035 R99.
TR	03.43	Support of Videotex	8.0.0	R99	T2	DI TRIA, Paolo	Frozen at v7
TR	03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	T2	RODERMUND, Friedhelm	Sticks at v7
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TR	03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	
TR	03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	clamped at v7

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	#32:8.1.0
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	.
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.0.0	R99	G1	CARRIZO MARTINEZ, Jose Luis	GERAN#2: 8.0.0
TS	03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	8.0.0	R99	S2	ROBERTS, Martin	Never produced; make do with R98 version.
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	.
TS	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	8.0.0	R99	N1	JACOBSOHN, Dieter	TP-15: proposed to withdraw, since stage 1 (02.63) not promoted to R99.
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	#31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.2.0	R99	N1	MÜNNING, Dirk	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.7.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	SP-16: 23.073 reverts to GERAN-only.
TS	03.82	Call Forwarding (CF) Supplementary Services; Stage 2	8.0.0	R99	N4	POTHS, Annette	#28: 8.0.0 (to be deleted, moved to 3GPP)
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
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	#29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	#31: 8.0.0
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	8.16.0	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	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.22	Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface	8.0.0	R99	N3	KLEHN, Norbert	#29: 8.0.0 (to be deleted, moved to 3GPP)
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	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	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	#31: 8.0.0
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
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	8.16.0	R99	G2	BLACK, Jyoti	
TS	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	8.0.1	R99	N1	JACOBSOHN, Dieter	TP-15: proposed to withdraw, since stage 1 (02.63) not promoted to R99.
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	SALKINTZIS, Apostolis	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	SALKINTZIS, Apostolis	
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	
TS	04.94	Follow Me Service description; Stage 3	none	R99	-	SWETINA, Joerg	scrapped whilst still on starting block
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	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0
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	
TS	05.14	Release independent frequency bands; Implementation guidelines	none	R99	G1	KANGAS, Antti	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. R99 will not be produced (source: Usai 2001-01-05)
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	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	CTS-FP Radio Sub-system	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
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	.
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	#32:8.1.0 TSG#10:8.2.0
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	
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.0	R99	S4	USAI, Paolino	#32:8.0.0
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	8.0.0	R99	N3	WIIK, Rune Werner	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	07.08	GSM Application Programming Interface	8.0.0	R99	T2	RODERMUND, Friedhelm	Frozen at v5

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
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	.
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	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
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	
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	.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	.
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	VACANT,	.
TS	09.07	General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	8.0.0	R99	N3	KLEHN, Norbert	#29: 8.0.0 (to be deleted, moved to 3GPP)

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R99	N1	FARHOUMAND, Rouzbeh	#31: 8.0.0 TSG#10:8.1.0
TS	09.14	Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling	8.0.0	R99	SPAN3	SPORTON, Simon	May00: Possibly no need for an update.
TS	09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	8.0.0	R99	N1	MILLS, Duncan	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.94	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate resurrection as null document pointing to latest Release version. 2002-05-07 (Hietalahti): scrap R99 in favour of 29.994.
TR	10.43	Support of Localised Service Area (SoLSA); Work Item Status	1.11.0	R99	S1	KOKKOLA, Tommi	#25: 1.11.0 #30b: 1.11.0 2001-April:Clayton: stopped.
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE)	8.0.0	R99	T2	RODERMUND, Friedhelm	No R99 impact.
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TR	10.76	Noise suppression for the AMR codec; Project scheduling and open issues	1.0.0	R99	S4	,	2002-01-23: Usai indicates "stopped".
TS	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	0.0.6	R99	GP	ISAACS, Ken	2002-01-23: Usai indicates "stopped".
TS	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.3.0	R99	G5	SALMERON, Lidia	#32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	8.0.0	R99	G5	SALMERON, Lidia	proposed, but nya; flagged as withdrawn at SMG#32 to make life easier
TS	11.10-3	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	8.0.0	R99	G5	SALMERON, Lidia	skipped straight to R00.
TS	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	2.0.0	R99	G5	SALMERON, Lidia	May 00: R99 not anticipated. 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	8.8.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for SIM API for Java card	8.0.0	R99	T3	LLOBREGAT, Fernando	No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.11.0	R99	T3	WOODSEND, Kristian	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.17	SIM test specification	8.0.0	R99	T3	BREMNER, David	May 00: R99 not anticipated.
TS	11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface	8.0.0	R99	T3	LINDHOLM, Rune	Sanders Oct 2000:.Effectively replaced by 31.101.
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.6.0	R99	G3	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G3	VACANT,	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	NENNER, Karl-Heinz	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G3	TRUSS, Michael	GP-09 (Usai) created to fill the Release gap.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	21.010	reserved	none	R99	SP	VACANT,	
TS	21.100	3G specification handling procedures	1.0.0	R99	-	MEREDITH, John M	
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.9.0	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	TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0
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	
TS	21.906	reserved	3.0.0	R99		CLAYTON, Michael	.
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	3.8.0	R99	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: Takes over from 02.32 R99.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.2.0	R99	S1	CARPENTER, Paul	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	CR to 3.0.1 not aprvd.
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Jan-2001: SA1 scrapped this spec and reverted to GSM-only 02.43.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	3.0.0	R99	S4	NAVARRO, William	2001-01-22: Scrapped. 02.53 is retained.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	.
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	.
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	.
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	.
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. August 2001: still debating whether this is GSM-only or common.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	
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	
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	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TR	22.907	Terminal concepts	3.1.3	R99	-	TOLVANEN, Mika	Withdrawn (Clayton 2000-02-11)
TR	22.924	Charging and accounting mechanisms	3.1.1	R99	-	MONTEGROSSO, Emanuele	.
TR	22.925	Quality of Service (QoS) and network performance	3.1.1	R99	-	ERIKSSON, Olle	.
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	.
TR	22.960	Mobile multimedia services	3.0.1	R99	-	AHNBERG, Tomas	.
TR	22.970	Virtual Home Environment Report	3.0.1	R99	-	OGUNBEKUN, Jumoke	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	.
TR	22.972	Circuit-switched multimedia	0.0.0	R99	-	CLAYTON, Michael	Withdrawn (Clayton 2000-02-11)
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	.
TS	23.002	Network architecture	3.6.0	R99	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	3.11.0	R99	N4	GAASVIK, Per-Ola	
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	3.11.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.010	GSM Public Land Mobile Network (PLMN) Connection Types	3.0.0	R99	-	DETTNER, Harald	TSG#7:3.0.0 - later scrapped
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	.
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	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	3.11.0	R99	N4	PARK, Ian David Chalmers	
TS	23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	3.1.0	R99	-	ANDERSEN, Niels Peter Skov	3.1.0 dates from June 99
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R99	S2	HIETALAHTI, Hannu	
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: takes over from 03,35 R99.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
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	
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.043	Support of Videotex	3.0.0	R99	-	DETTNER, Harald	3.0.0 Apr 99 - later scrapped
TS	23.044	Support of Teletex	3.0.0	R99	-	DETTNER, Harald	3.0.0 Apr 99 - later scrapped
TS	23.045	Technical Realization of Facsimile Group 3 Service - transparent	3.0.0	R99	-	DI TRIA, Paolo	3.0.0 Apr 99 - reverts to 03.45 v8.0.0
TS	23.046	Technical realisation of facsimile Group 3 service - non-transparent	3.0.0	R99	-	BOSWARTHICK, David	3.0.0 Apr 99
TS	23.054	Shared Interworking Functions (SIWF); Stage 2	3.0.0	R99	N3	ROSTÖ, Tommy	NP-13: withdrawn.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.13.0	R99	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	3.3.0	R99	N4	PERLICK, Vivien	
TS	23.069	Voice Broadcast service (VBS); Stage 2	3.0.0	R99	N1	DETTNER, Harald	3.0.0 Apr 99 - Reverts to 03.69 R99.
TS	23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)	3.0.0	R99	-	KOSYDAR, L	withdrawn NP-06
TS	23.071	Location Services (LCS); Functional description; Stage 2	3.0.0	R99	-	STEER, David G	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	.
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	3.0.1	R99	N4	KYMALAINEN, Kimmo	SP-16: reverts to 03.73 since applies to GERAN systems only.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.14.0	R99	N2	HOMANN, Christian	Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.7.0	R99	N4	PARK, Ian David Chalmers	
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	SWETINA, Joerg	Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	DETTNER, Harald	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	HEWSON, Ruth	
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	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
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	3.8.0	R99	N1	HIETALAHTI, Hannu	Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
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	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	VACANT,	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	WIIK, Rune Werner	
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TS	23.920	Evolution of the GSM platform towards UMTS	3.1.0	R99	-	DANIEL, Elizabeth	Stopped TSG#6
TR	23.922	Architecture for an All IP network	1.0.0	R99	S2	DANIEL, Elizabeth	Was suspected to be v3.0.0, but evidently not so. Sultan, Apr-2001: abandoned in early 2000; replaced by 23.228 and 23.221.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	.
TR	23.927	VHE, Open Service Architecture (OSA)	0.1.0	R99	-	CLAYTON, Michael	Withdrawn (Clayton 2000-02-11).
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	.
TR	23.960	Framework of network functions to support multimedia services	0.1.0	R99	-	GABE, Axel	.
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	
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	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.13.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	3.0.0	R99	G2	AL -BAKRI, Ban	Replaced by 04.12 R99.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.4.0	R99	N3	KLEHN, Norbert	
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7:Decision to create.
TS	24.065	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	3.1.0	R99	N1	BOSWARTHICK, David	2000-02-14: To revert to 2g only 04.65, 24.165 may be required. 2000-11-08 withdrawn; not required for 3G.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	PERLICK, Vivien	
TS	24.068	Group Call Control (GCC) Protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.069	Broadcast Call Control (BCC) protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.0	R99	N4	DETTNER, Harald	

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TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.094	Follow Me; Stage 3	none	R99	-	BERGMANN, Ansgar	USSD does all. No draft expected.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.053	Tandem Free Operation (TFO); Service description; Stage 2	none	R99	-	MEREDITH, John M	no draft ever materialised
TS	25.101	UE Radio transmission and reception (FDD)	3.11.0	R99	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.103	RF parameters in support of RRM	2.0.0	R99	-	FRANCESCHI, Olle	Withdrawn
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.10.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.11.0	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)	3.11.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	3.11.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.11.0	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	
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)	3.11.0	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	3.14.0	R99	R2	MIHAILESCU, Claudiu	
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	

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TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.11.0	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	
TS	25.306	UE Radio Access capabilities definition	3.6.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.13.0	R99	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	3.12.0	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)	3.5.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.12.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	TOWNEND, Richard	
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	3.11.1	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.11.0	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	3.11.0	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	3.9.0	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	3.11.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.831	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	
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	TSG#10:3.0.0 (is evidently R99 not Rel-4)

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TR	25.921	Guidelines and principles for protocol description and error handling	3.7.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	BULDORINI, Andrea	
TR	25.923	Stage 2 Functional Specification of Location Services in UTRAN	1.4.0	R99	-	STEER, David G	.
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.926	UE Radio Access capabilities definition	3.3.0	R99	R2	LUNDSJÖ, Johan	Nov00->25.306 but first ->TSG#10:3.3.0
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	
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	
TR	25.990	Vocabulary for UTRAN	3.0.0	R99	R4	OKRAH, Peter	Will be withdrawn when 21.905 is updated with all the contents of this TR. RP-15; the update was done at RP-13, so this can now be withdrawn.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	.
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	
TS	26.075	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	1.2.0	R99	-	EKUDDEN, Erik	replaced by 26.975
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	.
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	.
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	
TS	26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements	1.1.0	R99	S4	HONKO, Harri	
TS	26.115	Echo control for speech and multi-media services	0.0.1	R99	S4	USAI, Paolino	Feb00: 0.0.1 - Withddrawn in favour of 26.915; will be reinstated for Rel-4.
TS	26.121	Technical Specification for Tandem Free Operation within 3G networks	none	R99	-	OHANA, Alain	.

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	26.122	Technical Specification for Tandem Free Operation between 3G and 2G networks	none	R99	-	OHANA, Alain	.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	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	
TS	26.133	Wide band speech telephony terminal acoustic characteristics	none	R99	S4	BARRETT, Paul	.
TS	26.134	Wide band speech telephony terminal acoustic test specification	none	R99	S4	BARRETT, Paul	.
TS	26.135	Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	.
TS	26.136	Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	.
TS	26.137	Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	.
TS	26.138	Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.3.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	0.0.1	R99	S4	HONKO, Harri	No work, will never appear as 3.0.0 (Usai, Mar 2001) 2001-07:Usai: withdawn.
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	No Rel-4 version. Became 26.115.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	was 26.075;
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)	3.11.0	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	
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	TSG#8:3.1.0 but this CR not impementable.
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	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	3.0.0	R99	S4	SUERBAUM, Clemens	withdrawn from R99.
TS	29.002	Mobile Application Part (MAP) specification	3.14.0	R99	N4	DETTNER, Harald	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	3.0.0	R99	-	BOSWARTHICK, David	
TS	29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access	3.0.0	R99	-	BOSWARTHICK, David	
TS	29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services	3.0.0	R99	-	BRAUN, Achim	withdrawn NP-06
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)	3.10.0	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)	3.9.0	R99	N4	VACANT,	
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	DETTNER, Harald	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	DETTNER, Harald	.
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	3.14.0	R99	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.10.0	R99	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.13.0	R99	N2	NOLDUS, Rogier	Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.2.0	R99	R3	VESELY, Alexander	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	MOERDIJK, Ard-Jan	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	.
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	.
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	.

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.0	R99	N1	ANDERSEN, Niels Peter Skov	.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	MOERDIJK, Ard-Jan	
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	R99	R3	TAYLOR, Carolyn	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM Application	3.10.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	
TS	31.111	USIM Application Toolkit (USAT)	3.8.0	R99	T3	WOODSEND, Kristian	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; USIM application test specification	3.3.0	R99	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	3.4.0	R99	T3	KNIGHT, Simon	
TR	31.900	SIM/USIM internal and external interworking aspects	3.2.0	R99	T3	KALINER, Stefan	TP-16: withdrawn; only Rel-5 remains valid.
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	32.008	Subscriber and Equipment trace	none	R99	-	SJÖBLOM, Kai	Not to be produced.
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.9.0	R99	S5	LEHNERT, Matthias	
TS	32.101	3G Telecom Management principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.5.0	R99	S5	NENNER, Karl-Heinz	
TS	32.106	Configuration Management	3.0.1	R99	S5	TOVINGER, Thomas	SP-08: multipart split from parent 3.0.1
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: multipart split from parent 3.0.1
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: multipart split from parent 3.0.1
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	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
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	POLLAKOWSKI, Olaf	TSG#8: multipart split from parent 3.0.1
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: multipart split from parent 3.0.1 (not certain this part will be R99)
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	POLLAKOWSKI, Olaf	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
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	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
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: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111	3G Fault Management	3.2.0	R99	S5	CICCHITTO, Gaetano	TSG#8: multipart split from parent 3.0.1
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R99	S5	TOVINGER, Thomas	
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.6.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1
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: multipart split from parent 3.0.1
TS	33.102	3G security; Security architecture	3.12.0	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	33.900	Guide to 3G security	1.2.0	R99	S3	BROOKSON, Charles	New at TSG#6
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	Formerly 33.904.
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	3.0.0	R99	S3	WALKER, Michael	TSG#7: refered to in 33.908. Had been withdrawn, but reinstated at TSG#10. SA#13: 2001-09-23 withdrawn.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.9.0	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.7.0	R99	R2	BERGGREN, Anders	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.10.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.9.0	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	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	1.0.5	R99	T1	HU, Shicheng	

Type	Number	Title	Ver at TSG#17	Rel	TSG/ WG	Editor	Comment
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	none	R99	T1	YOKOYAMA, Mitsuru	2002-09-26: Anticipate approval at TP-18.
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	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	
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	3.0.0	R99	S3	WALKER, Michael	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	3.0.0	R99	S3	WALKER, Michael	TSG#10:SP-000673, not to be published till OKed by Partners. TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	3.0.0	R99	S3	WALKER, Michael	.TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	3.0.0	R99	S3	WALKER, Michael	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#11:changed to Rel-4
TS	35.209	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	3.0.0	R99	S3	WALKER, Michael	This turns out to be a report, so -> 35.909.

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.102	3rd Generation mobile system Release 4 specifications	4.6.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.1.0	Rel-4	T3	KALINER, Stefan	2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5 version. TP-16: decided to upgrade to Rel-5.
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	21.801	Specification drafting rules	4.3.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
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	Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.004	General on supplementary services	4.2.0	Rel-4	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	TSG#8: CR proposed creation, but not aprvd.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: Takes over from 42.032 Rel-4.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.1.0	Rel-4	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.1.0	Rel-4	S1	DAHLKVIST, Mikael	
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	none	Rel-4	S1	KOKKOLA, Tommi	TSG#11: Becomes 42.043 for Rel-4 (!).
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	
TS	22.071	Location Services (LCS); Stage 1	4.4.1	Rel-4	S1	WOHLERT, Randolph	
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	
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	
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	

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TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Apr2001: V3 unwithdrawn, so Rel-4 version produced.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	
TS	22.101	Service aspects; Service principles	4.6.0	Rel-4	S1	DWYER, Paul	based on 3.9.0
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	4.0.0	Rel-4	T3	MEYER, Michael	TP-13: Rel-4 withdrawn, since stage 2 not ready.
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	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.2.0	Rel-4	S1	LAUMEN, Josef	based on 3.0.0
TS	22.227	Service requirements for the Open Service Access (OSA)	none	Rel-4	S1	HELLSTROM, Gunnar	.
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TS	23.002	Network architecture	4.5.0	Rel-4	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	4.5.0	Rel-4	N4	GAASVIK, Per-Ola	
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	4.5.0	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	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	
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	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	4.6.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	4.0.0	Rel-4	S2	HIETALAHTI, Hannu	
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: takes over from 43.035 Rel-4
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
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	

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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	
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	.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.6.0	Rel-4	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	4.1.1	Rel-4	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: ->43.073 since applies to GERAN systems only.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.6.0	Rel-4	N2	HOMANN, Christian	Phase 3.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.1.0	Rel-4	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	SWETINA, Joerg	
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	HEWSON, Ruth	
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.5.0	Rel-4	S2	GREIS, Marc	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	SALKINTZIS, Apostolis	2002-02-26: Hietalahti proposes to withdraw, no further interest, unmaintained. 2002-04-15: N1-23 decision to continue to Rel-5. 2002-06-27: (Jorgensen) if R99 and Rel-5 exist, so musts Rel-4, so re-instated.
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	
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.2.0	Rel-4	N1	HIETALAHTI, Hannu	

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TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	
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	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.5.0	Rel-4	N4	VACANT,	
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	4.0.0	Rel-4	S2	KÅLL, Jan	Kall: Apr-2001:Superseded by 23.271 for Rel-4.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.6.0	Rel-4	N4	GARCIA-MENDIVE, Elena	
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	2.0.0	Rel-4	S2	OYAMA, Johnson	SP-12: becomes Rel-5
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	
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	4.7.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec.
TR	23.814	Separating RR and MM specific parts of the MS Classmark	4.0.0	Rel-4	N1	YOKOTA, Fumihiko	Jorgensen Apr-2001: Doubtful whether this should be upgraded to Rel-4. May-2001: N1#17 decided not to upgrade to Rel-4.
TR	23.821	Architecture Principles for Relase 2000	1.0.1	Rel-4	S2	LIND, Christer	
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	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.5.0	Rel-4	N3	WIIK, Rune Werner	
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	.
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	.
TR	23.922	Architecture for an All IP network	4.0.0	Rel-4	S2	DANIEL, Elizabeth	Sultan, Apr-2001: abandoned in early 2000. July-2001: replaced by 23,228.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	4.0.0	Rel-4	S2	HUBBARD, Elisabeth	Sultan Apr-2001: contents out of date, not apprpriate for Rel-4.
TR	23.925	UMTS Core network based ATM transport	none	Rel-4	S2	ROUZ, Adel	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TR	23.972	Circuit switched multimedia telephony	4.0.0	Rel-4	N1	FARHOUMAND, Rouzbeh	Jorgensen Apr-2001: Doubtful whether this should be upgraded to Rel-4. May-2001: N1#17 decided not to upgrade to Rel-4.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.004	Layer 1 - General Requirements	4.0.0	Rel-4	G2	THOMAS, Rémi	Apr-2001: Not required. See 44.004.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	Rel-4	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.8.0	Rel-4	N1	HOWELL, Andrew	

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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	
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	none	Rel-4	G2	AL -BAKRI, Ban	TSG#11: Replaced by 44.012 for Rel-4.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.0.0	Rel-4	N3	KLEHN, Norbert	
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
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	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	DETTNER, Harald	
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	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.10U	UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access	none	Rel-4		,	.
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TR	24.946	reserved	none	Rel-4		VACANT,	
TS	25.101	UE Radio transmission and reception (FDD)	4.5.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.6.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.5.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.5.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.3.0	Rel-4	R4	NILSSON, Martin	
TS	25.107	UTRA Repeater; Conformance testing	0.0.1	Rel-4	-	NILSSON, Martin	Scrapped in favour of 25.143
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.3.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.6.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.6.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	4.6.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.6.0	Rel-4	R4	MEYER, Juergen	

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TS	25.143	UTRA repeater; Conformance testing	4.5.0	Rel-4	R4	KUMMETZ, Thomas	Was to have been 25.107. But never was.
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)	4.5.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.6.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.5.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.4.0	Rel-4	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	4.6.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.5.0	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	4.6.0	Rel-4	R2	MIHAILESCU, Claudiu	
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	4.5.0	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	
TS	25.306	UE Radio Access capabilities definition	4.5.0	Rel-4	R2	BERGGREN, Anders	
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.6.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	4.6.0	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)	4.1.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.7.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.371	LMU signalling	none	Rel-4	-	MOULY, Michel	First draft: Jan2000
TS	25.401	UTRAN Overall Description	4.5.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	4.5.0	Rel-4	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	TOWNEND, Richard	
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	4.6.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.4.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.6.0	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	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.6.0	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	

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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	4.3.0	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	4.6.0	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	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.835	Report on hybrid ARQ type II/III	1.0.0	Rel-4	R2	SITTE, Armin	2002-02-25 (Van der Veen): WI abandoned, so spec withdrawn.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	RP-15: No upgrade to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	RP-15: Not to be promoted to Rel-5.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	.RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.
TR	25.845	FDD RACH and AICH performance requirements	0.0.3	Rel-4	R4	VIHRIÄLÄ, Jaakko	RP-15: Not to be promoted to Rel-5. RP-17: withdrawn.
TR	25.846	CPCH performance	none	Rel-4	R4		.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	RP-15: Not to be promoted to Rel-5.
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	RP-15: No upgrade to Rel-5.
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	RP-15: No upgrade to Rel-5.
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	RP-15: No upgrade to Rel-5.
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	RP-15: No upgrade to Rel-5.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	RP-15: No upgrade to Rel-5.
TR	25.921	Guidelines and principles for protocol description and error handling	4.4.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	BULDORINI, Andrea	
TR	25.924	Opportunity Driven Multiple Access (ODMA)	1.0.0	Rel-4	R2	LAW, Alan	2002-01-23: .WG Secretary reports that this is really R99. Watch this space. 2002-02-25 (Van der Veen): No further interest, so spec withdrawn.
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.932	Delay budget within the access stratum	2.0.0	Rel-4	R3	TAYLOR, Carolyn	TSG#10:2.0.0; approved renumbered as 25.853.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	25.933	IP transport in UTRAN	2.0.0	Rel-4	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.938	Terminal power saving features	2.0.0	Rel-4	R3	CHOI, Sungho	RP-15: Withdrawal confirmed.
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	
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	RP-15: Not to be promoted to Rel-5.
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	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	SÄYNÄJÄKANGAS, Tuomo	2002-01-24: Gutierrez: moved to Rel-5
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	SÄYNÄJÄKANGAS, Tuomo	2002-01-24: Gutierrez: moved to Rel-5
TR	25.952	Base Station classification (TDD)	1.1.0	Rel-4	R4	AXNESS, Timothy	-> Rel-5
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
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 RABs and RBs supported by UTRA	none	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	
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	
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TR	26.078	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaced by 26.978.
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
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	
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	
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	Derived from 26.914 R99.

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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	26.226	Global text telephony (GTT);Transport of text in the voice channel	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	TSG#11:withdrawn->rel-5
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4; TSG#11:withdrawn, to be Rel-5 only.
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.4.0	Rel-4	S4	NOHLGREN, Anders	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	4.1.0	Rel-4	S4	OJALA, Pasi	SP-12: withdrawn from Rel-4, moved to Rel-5.
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.1.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	2002-06-18: not useful to upgrade to Rel-5?
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	none	Rel-4	S4	HONKO, Harri	No work, will never appear as 4.0.0 (Usai, Mar 2001)
TR	26.920	Architectural Model for the 3G Transcoders	0.1.1	Rel-4	S4	NAVARRO, William	.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	
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)	4.4.0	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	
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	TP-15: Not to be promoted to Rel-5.
TS	28.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	none	Rel-4	N3	BOSWARTHICK, David	2001-11-07: Boswarthick: Not required for Rel-4.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.4.0	Rel-4	S4	SUERBAUM, Clemens	TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.9.0	Rel-4	N4	DETTNER, Harald	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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)	4.5.0	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)	4.4.0	Rel-4	N4	VACANT,	
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	DETTNER, Harald	
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	DETTNER, Harald	
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	4.5.0	Rel-4	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.5.0	Rel-4	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.6.0	Rel-4	N2	NOLDUS, Rogier	Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.2.0	Rel-4	R3	VESELY, Alexander	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
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	MCQUILLAN, Laura	
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	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	4.2.0	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	4.6.0	Rel-4	N4	PARK, Ian David Chalmers	
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	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-4	RP	COURAU, François	.
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	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	2002-03-10: WG Chairman: Unwithdrawn. post-NP-16: No Rel-5 needed.
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	RP-15: Not to be promoted to Rel-5.
TR	30.801	Overall Project Plan	1.1.0	Rel-4	S2	SULTAN, Alain	TSG#11: Work stopped.
TR	30.802	Project plan on Bearer Services and QoS	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	2001-02-02: In Nov-00, mistakenly put up 30.002 v4.0.0 under this number; now removed. TSG#11: Work stopped.
TR	30.804	Project plan on GSM/UMTS Interoperation and Mobility Management	1.0.0	Rel-4	S2	COURAU, François	TSG#11: Work stopped.
TR	30.806	Project plan on Location based services	1.0.0	Rel-4	S2	KÅLL, Jan	TSG#11: Work stopped.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	30.808	Project plan on Packet Architecture and Circuit Architecture	1.0.0	Rel-4	S2	DROPMANN, Ulrich	TSG#11: Work stopped.
TR	30.810	Project plan on Security	1.0.0	Rel-4	S2	PUDNEY, Chris	TSG#11: Work stopped.
TR	30.812	Project plan on Services and Service platforms	1.0.0	Rel-4	S2	SCHMERSEL, Rob	TSG#11: Work stopped.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.0.0	Rel-4	T3	VESTERGAARD, Peter	
TS	31.102	Characteristics of the USIM Application	4.6.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	
TS	31.111	USIM Application Toolkit (USAT)	4.8.0	Rel-4	T3	WOODSEND, Kristian	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
TS	31.121	UICC-terminal interface; USIM application test specification	4.2.0	Rel-4	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	
TR	31.900	SIM/USIM internal and external interworking aspects	4.0.0	Rel-4	T3	KALINER, Stefan	TP-16: withdrawn; only Rel-5 remains valid.
TS	32.101	3G Telecom Management principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	4.2.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	4.0.0	Rel-4	S5	NENNER, Karl-Heinz	SP-12: Split into several specs. 32.401, '402, '403.
TS	32.105	3G charging and billing; Stage 2 description	0.0.4	Rel-4	S5	KOBYLARZ, Thaddeus	New at SP-06. SP-10:R99 version scrapped, will be Rel-4. SP-12: Rel-4 withdrawn.
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	4.0.0	Rel-4	S5	PIRT, Trevor	SP-12: withdrawn. See 32.300.
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point; Information Service version 1	none	Rel-4	S5	TSE, Edwin	SP-12: withdrawn.
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn.
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	none	Rel-4	S5	POLLAKOWSKI, Olaf	SP-12: withdrawn.
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP) information model (including NRM) version 1	none	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn.
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1	none	Rel-4	S5	POLLAKOWSKI, Olaf	SP-12: withdrawn.
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn.

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TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	4.0.0	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn. See 32.600.
TS	32.111	3G Fault Management	4.0.0	Rel-4	S5	CICCHITTO, Gaetano	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	4.4.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	4.4.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	4.3.0	Rel-4	S5	TOVINGER, Thomas	
TS	32.112-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements	2.0.0	Rel-4	S5	,	.
TS	32.112-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service	2.0.0	Rel-4	S2	,	.
TS	32.140	Services operations management; Subscription management requirements	0.1.0	Rel-4	S5	CARYER, Geoffrey	TSG#8:0.1.0 but associated WI not approved. NP-12: moved to rel-5.
TS	32.200	Telecommunication management; Charging management; Charging principles	4.2.0	Rel-4	S5	AHLBÄCK, Hans	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	4.2.0	Rel-4	S5	BENDER, James	
TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	4.3.0	Rel-4	S5	LEHNERT, Matthias	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.3.0	Rel-4	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements	4.0.1	Rel-4	S5	PIRT, Trevor	.
TS	32.301-1	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.301-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point; Information Service version 1	2.0.0	Rel-4	S5	TSE, Edwin	.
TS	32.301-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	2.0.0	Rel-4	S5	SCHEER, Randal	.
TS	32.301-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.

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TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; Information Service version 1	4.1.0	Rel-4	S5	TSE, Edwin	.
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	4.3.1	Rel-4	S5	TOVINGER, Thomas	.
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.0.1	Rel-4	S5	TOVINGER, Thomas	.
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.312-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	none	Rel-4	S5	,	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.2.0	Rel-4	S5	HÜBINETTE, Ulf	.
TS	32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	2.0.0	Rel-4	S5	NENNER, Karl-Heinz	
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.2.1	Rel-4	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601-1	Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601-2	Telecommunication management; Configuration Management (CM); Part 2: Basic Configuration Management Integration Reference Point (IRP) information model	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.601-3	Telecommunication management; Configuration Management (CM); Part 3: Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.601-4	Telecommunication management; Configuration Management (CM); Part 4: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.602	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.602-1	Telecommunication management; Configuration Management (CM); Configuration Management: Bulk CM Integration Reference Point (IRP) requirements	2.0.0	Rel-4	S5	,	.

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TS	32.602-2	Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): Information service	2.0.0	Rel-4	S5	,	.
TS	32.602-3	Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	,	.
TS	32.602-4	Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	,	.
TS	32.602-5	Telecommunication management; Configuration Management (CM); Configuration Management: Bulk Configuration Management Integration Reference Point (IRP): XML file format definition	2.0.0	Rel-4	S5	,	.
TS	32.603	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	4.3.1	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.604	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	4.3.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	4.3.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	.
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	TOVINGER, Thomas	.
TS	32.620-1	Telecommunication management; Configuration Management (CM); Part 1: Generic network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.620-2	Telecommunication management; Configuration Management (CM); Part 2: Generic network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.620-3	Telecommunication management; Configuration Management (CM); Part 3: Generic network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.

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TS	32.620-4	Telecommunication management; Configuration Management (CM); Part 4: Generic network resources: Integration Reference Point (IRP) CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.621-1	Telecommunication management; Configuration Management (CM); Part 1: Core network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.621-2	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.621-3	Telecommunication management; Configuration Management (CM); Part 3: Core network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.621-4	Telecommunication management; Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
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	.
TS	32.622-1	Telecommunication management; Configuration Management (CM); Part 1: UTRAN network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.622-2	Telecommunication management; Configuration Management (CM); Part 2: UTRAN network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.622-3	Telecommunication management; Configuration Management (CM); Part 3: UTRAN network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.622-4	Telecommunication management; Configuration Management (CM); Part 4: UTRAN network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.623-1	Telecommunication management; Configuration Management (CM); Part 1: GERAN network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.623-2	Telecommunication management; Configuration Management (CM); Part 2: GERAN network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.623-3	Telecommunication management; Configuration Management (CM); Part 3: GERAN network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.623-4	Telecommunication management; Configuration Management (CM); Part 4: GERAN network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.

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TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set	4.4.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	TOVINGER, Thomas	.
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set	4.1.1	Rel-4	S5	TOVINGER, Thomas	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	TOVINGER, Thomas	.
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	POLLAKOWSKI, Olaf	
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set	4.1.1	Rel-4	S5	TOVINGER, Thomas	
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	TOVINGER, Thomas	.
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	POLLAKOWSKI, Olaf	.
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TR	32.800	Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	.
TS	33.102	3G security; Security architecture	4.4.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	SP-15: Not to be promoted to Rel-5.
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	SP-15: Not to be promoted to Rel-5.
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	SP-15: Not to be promoted to Rel-5.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	

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TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	ESCOTT, Adrian	v0.3.5 not fit for public gaze. 2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.
TR	33.900	Guide to 3G security	none	Rel-4	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	SP-15: Not to be promoted to Rel-5.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	2.0.0	Rel-4	S3	VACANT,	SP-15: Not to be promoted to Rel-5. In fact, replaced by 33.908.
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	SP-15: Not to be promoted to Rel-5.
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	SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.4.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.3.0	Rel-4	R2	BERGGREN, Anders	
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)	4.5.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	SOERENSEN, Ole	
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	
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	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	
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	
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	TSG#11:changed to Rel-4.

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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	TSG#11:changed to Rel-4
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	TSG#11:changed to Rel-4
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	TSG#11:changed to Rel-4
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	TSG#11:Formerly 35.209 Rel-99 (but never made available)
TS	41.001	GSM Specification set	1.0.0	Rel-4	SP	MEREDITH, John M	->41.102
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	SP-15: Not to be promoted to Rel-5.
TS	41.102	GSM Release 4 specifications	4.6.0	Rel-4	SP	MEREDITH, John M	
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	.
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 22.032.
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	
TS	42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: Becomes 22.048.
TS	42.053	Tandem Free Operation (TFO); Service description; Stage 1	none	Rel-4	S4	NAVARRO, William	
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	
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	

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TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	
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	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 23.035.
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.046	Technical Realization of Facsimile Group 3 Service - non transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	.2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.
TS	43.048	Security Mechanisms for SIM Toolkit Application; Stage 2	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: replaced by 23.048.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	4.0.0	Rel-4	G1	SÉBIRE, Guillaume	Created after TSG#8. GP-08: withdrawn
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	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to withdraw.
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	43.071	Location Services (LCS); Functional description; Stage 2 (GSM)	4.0.0	Rel-4	S2	BROOK, Richard	Superseded by 23.271 Rel-4.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	.
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	44.008	Mobile radio interface layer 3 specification	4.0.0	Rel-4	N1	HOWELL, Andrew	withdrawn at NP-15.
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	TSG#11: Replaces 24.012 for Rel-4 on.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.2.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.11.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
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	4.8.0	Rel-4	G2	BLACK, Jyoti	
TS	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	2002-02: Jorgensen: Not to be propagated to Rel-5. 2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to withdraw.
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	SALKINTZIS, Apostolis	
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	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
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	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.8.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.5.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
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	
TS	48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	none	Rel-4	S4	USAI, Paolino	-> 28.062
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	VACANT,	
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	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	.
TR	50.043	Support of Localised Service Area (SoLSA); Work Item Status	none	Rel-4	S1	KOKKOLA, Tommi	2001-April:Clayton: stopped.
TS	50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	4.0.0	Rel-4	S2	GALLIGO, Michel	Apr 2001 - Sultan:no Rel-4 will exist Jun 2001: confirmed, so withdrawn.
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	none	Rel-4	GP	ISAACS, Ken	Usai Apr-2001: will never be produced.
TR	50.099	GERAN project plan and open issues	0.0.20	Rel-4	GP	MUELLER, Frank	GERAN#3: v0.0.4 May-2000: subsequent drafts 005, 006, 007 were wrongly numbered and were not subsequent at all, so do not appear in history; latest draft is ex GERAN#4 = 006. 2002-01-23: Usai indicates "stopped".
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	Rel-4	G5	HU, Shicheng	#32:9.0.0 MCC-converted Aug00:4.0.1
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	
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	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	G5	HU, Shicheng	TP-17: Withdrawn, because doc was in fact R99, not Rel-4.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.5.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!
TS	51.013	Test specification for SIM API for Java card	2.0.0	Rel-4	T3	LLOBREGAT, Fernando	TP-15: New WI approved in TP-020029.
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	none	Rel-4	T3	WOODSEND, Kristian	TSG-T agreed not to have a rel-4 version. The 3G equivalent (31.111) will be upgraded to include a GSM-only annex
TS	51.021	GSM radio aspects base station system equipment specification	4.1.0	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	52.071	Location Services (LCS); Location services management	4.1.0	Rel-4	S5	GARAPATY, Sonia	SP-13: withdrawn - see SP-010472.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	.

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.103	3rd Generation mobile system Release 5 specifications	5.1.0	Rel-5	SP	MEREDITH, John M	.
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	0.5.0	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	.
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.004	General on supplementary services	5.0.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	GALLAIRE, Jean Paul	.
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	.
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	.
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.0.0	Rel-5	S1	DAHLKVIST, Mikael	.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	5.1.1	Rel-5	S1	WOHLERT, Randolph	.
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	.
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	5.8.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	.
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	.
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	.
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	.
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	.
TS	22.101	Service aspects; Service principles	5.7.0	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	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.4.0	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	5.3.0	Rel-5	S1	LAUMEN, Josef	.
TS	22.141	Presence service; Stage 1	5.2.0	Rel-5	S1	WOHLERT, Randolph	SP-16: moved to Rel-6
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	5.2.0	Rel-5	S1	JARVIS, Andre	SP-15: To be a Rel-6 service, not Rel-5. SP-16 formally wthdrw Rel-5.
TS	22.174	Push service; Stage 1	none	Rel-5	S1	WOLAK, Stephen	SP-15: Timed out of Rel-5.
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	WI approved TSG#7
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	.
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	1.0.0	Rel-5	S1	AMERY, Paul	SP-15: Delayed to Rel-6
TS	22.243	Speech recognition framework for automated voice services; Stage 1	1.0.0	Rel-5	S1	WILLIAMS, David Hugh	SP-15: Delayed to Rel-6.
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	TP-16: likely to drop out of Rel-5 if no progress soon.
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	.
TR	22.946	Broadcast and multicast services	1.0.0	Rel-5	S1	,	To be scrapped SP-13. 2001-11-28: assume to be withdrawn since 22.146 approved at SP-13.
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	2001-12-04: Rel4->Rel-5 (Clayton).
TS	23.002	Network architecture	5.8.0	Rel-5	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	5.4.0	Rel-5	N4	GAASVIK, Per-Ola	.
TS	23.007	Restoration procedures	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.2.0	Rel-5	N4	BAUER, Rolf	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.009	Handover procedures	5.2.0	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	VACANT,	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	.
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	VACANT,	.
TS	23.018	Basic Call Handling; Technical realization	5.4.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.0.0	Rel-5	N1	CARRION RODRIGO, Inmaculada	.
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	.
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	.
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	5.4.0	Rel-5	T3	BARNES, Nigel	.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.3.0	Rel-5	S2	DELECKI, Andrew	.
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.0.0	Rel-5	N4	LOPEZ SORIA, Luis	.
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	5.0.0	Rel-5	N4	PERLICK, Vivien	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	none	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: ->43.073 since applies to GERAN systems only.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.1.0	Rel-5	N2	HOMANN, Christian	Phase 4.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.1.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	5.1.0	Rel-5	N4	VACANT,	.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	VACANT,	.
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	DETTNER, Harald	.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	.
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	RUSSELL, Nick	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	SWETINA, Joerg	.

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TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	HEWSON, Ruth	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.6.0	Rel-5	S2	GREIS, Marc	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	SALKINTZIS, Apostolis	2002-04-15: N1-23 decision to continue to Rel-5.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	.
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	.
TS	23.121	Architectural requirements for Release 1999	5.0.0	Rel-5	S2	DANIEL, Elizabeth	Oct00: CRs were approved by accident, it seems. Intention was to create 23.221 v5.0.0 rather than a Rel-5 of this spec. CR will be retrospectively withdrawn.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.1.0	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	.
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	5.4.0	Rel-5	T2	LAUMEN, Josef	2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available.
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	5.2.0	Rel-5	N4	VACANT,	.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.0.0	Rel-5	N3	WIIK, Rune Werner	.
TS	23.174	Push service; stage 2	none	Rel-5	S2	WOLAK, Stephen	SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.174	Push service; stage 2	none	Rel-5	S2	WOLAK, Stephen	SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.178	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	none	Rel-5	N2	HOMANN, Christian	2001-10-26: renumbered to 23.278.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.3.0	Rel-5	N4	GARCIA-MENDIVE, Elena	.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.5.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.2.0	Rel-5	N1	ALLEN, Andrew	.
TS	23.221	Architectural requirements	5.6.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	WI approved TSG#7
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	5.6.0	Rel-5	S2	TOWLE, Thomas	SP-15: No IMS support in Rel-5.
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	SP-17: anticipate 1.0.0 at SP-18, 2.0.0 at SP-19.
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	none	Rel-5	T2	HOLOUBEK, Kevin J.	TP-15: Delayed to Rel-6.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-5	S2	JARVIS, Andre	SP-15: To be a Rel-6 service, not Rel-5.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-5	S2	JARVIS, Andre	SP-15: To be a Rel-6 service, not Rel-5.
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.4.0	Rel-5	S2	KÅLL, Jan	.

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TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.0.0	Rel-5	N2	REMOQUILLO, Angelica	Was briefly 23.178. CAMEL Phase 4.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).
TR	23.841	Presence service architecture	1.1.0	Rel-5	S2	MAANSAARI, Kirsi	-> Rel-6
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	0.2.0	Rel-5	S2	JARVIS, Andre	SP-15: To be a Rel-6 service, not Rel-5.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	Not to progress to Rel-6: see 23.271.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	.
TR	23.908	Technical report on Pre-Paging	5.0.0	Rel-5	N4	VACANT,	2002-06-21: Kymalainen: no need to upgrade to Rel-5.
TR	23.909	Technical report on the Gateway Location Register	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	2002-06-21: Kymalainen: no need to upgrade to Rel-5.
TR	23.910	Circuit switched data bearer services	5.1.0	Rel-5	N3	WIIK, Rune Werner	.
TR	23.911	Technical report on Out-of-band transcoder control	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	2002-06-21: Kymalainen: no need to upgrade to Rel-5.
TR	23.912	Technical report on Super-Charger	5.0.0	Rel-5	N4	SHARP, Iain	2002-06-21: Kymalainen: no need to upgrade to Rel-5.
TR	23.915	Charging implications of IMS architecture	none	Rel-5	S2	MILINSKI, Alexander	.
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TR	23.974	Support of push service	2.0.0	Rel-5	S2	UDA, Nobuyuki	May-2001: Sultan wonders whether this spec is needed. SP-13: Concern that this is a poor title - it is NOT a real stage 2.
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	.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.5.0	Rel-5	N1	HOWELL, Andrew	.
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	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.0.0	Rel-5	N3	KLEHN, Norbert	.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	PERLICK, Vivien	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.2.0	Rel-5	N4	DETTNER, Harald	.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
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	DETTNER, Harald	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	N4	BRUSS, Jörg	.

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TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	.
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	5.2.0	Rel-5	N1	KISS, Krisztian	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.2.0	Rel-5	N1	DRAGE, Keith	
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	HOLOUBEK, Kevin J.	2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TS	25.101	UE Radio transmission and reception (FDD)	5.4.0	Rel-5	R4	FERNANDES, Edgar	.
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	5.2.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.4.0	Rel-5	R4	SKÖLD, Johan	.
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.2.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.106	UTRA Repeater; Radio transmission and reception	5.2.0	Rel-5	R4	NILSSON, Martin	.
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.2.0	Rel-5	R4	BARNES, David	.
TS	25.123	Requirements for support of radio resource management (TDD)	5.2.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.4.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.141	Base station conformance testing (FDD)	5.4.0	Rel-5	R4	NAKAMURA, Takaharu	.
TS	25.142	Base station conformance testing (TDD)	5.2.0	Rel-5	R4	MEYER, Juergen	.
TS	25.143	UTRA repeater; Conformance testing	5.2.0	Rel-5	R4	KUMMETZ, Thomas	.
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)	5.2.0	Rel-5	R1	WILDE, Andreas	.
TS	25.212	Multiplexing and channel coding (FDD)	5.2.0	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)	5.2.0	Rel-5	R1	IKEDA, Shinobu	.
TS	25.215	Physical layer; Measurements (FDD)	5.1.0	Rel-5	R1	IKEDA, Shinobu	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.2.0	Rel-5	R1	HIRAMATSU, Katsuhiko	.
TS	25.222	Multiplexing and channel coding (TDD)	5.2.0	Rel-5	R1	KAHTAVA, Jussi	.
TS	25.223	Spreading and modulation (TDD)	5.1.0	Rel-5	R1	VACANT,	.
TS	25.224	Physical layer procedures (TDD)	5.2.0	Rel-5	R1	OESTREICH, Stefan	.
TS	25.225	Physical layer; Measurements (TDD)	5.2.0	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	5.2.0	Rel-5	R2	MIHAILESCU, Claudiu	.
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	5.1.0	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	
TS	25.306	UE Radio Access capabilities definition	5.2.0	Rel-5	R2	BERGGREN, Anders	.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.

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TS	25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	5.2.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.321	Medium Access Control (MAC) protocol specification	5.2.0	Rel-5	R2	GESSNER, Christina	.
TS	25.322	Radio Link Control (RLC) protocol specification	5.2.0	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)	5.1.0	Rel-5	R2	HARTL, Mike	.
TS	25.331	Radio Resource Control (RRC) protocol specification	5.2.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN Overall Description	5.4.0	Rel-5	R3	CALMEL, Jean-Marie	.
TS	25.402	Synchronisation in UTRAN Stage 2	5.1.0	Rel-5	R3	PIOLINI, Flavio	.
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.2.0	Rel-5	R3	TOWNEND, Richard	.
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	5.2.0	Rel-5	R3	JUSSILA, Jyrki	.
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.2.0	Rel-5	R3	COMSTOCK, David	.
TS	25.415	UTRAN Iu interface user plane protocols	5.2.0	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	5.3.0	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	5.2.0	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	5.0.0	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	5.2.0	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	5.2.0	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	25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	RP-13: This TR has been replaced by TS 25.308.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	,	.
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.861	RNC - SMLC location protocol	none	Rel-5	R2	MIKOLA, Juha	RP-15: abandoned in favour of directly writing the stage 3 spec.
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	MATARASSO, Carlo	.
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	.
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	.
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.0.0	Rel-5	R4	NUMMINEN, Jussi	RP-17: withdrawn.
TR	25.886	Small technical enhancements and improvements work item	none	Rel-5	R4		RP-17: withdrawn.
TR	25.887	Beamforming	1.0.0	Rel-5	R1	KAHTAVA, Jussi	RP-15: Deferred to Rel-6.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	1.0.0	Rel-5	R1	LI, Xiaoqiang	.
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	5.0.0	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	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	.
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	2002-01-24: Gutierrez: moved from Rel-4.
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	SÄYNÄJÄKANGAS, Tuomo	2002-01-24: Gutierrez: moved from Rel-4.
TR	25.952	Base Station classification (TDD)	5.1.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.0.0	Rel-5	R4	MOSHAVI, Shimon	.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
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	.
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.1.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	.
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	5.0.0	Rel-5	S4	NAVARRO, William	.
TS	26.103	Speech codec list for GSM and UMTS	5.3.0	Rel-5	S4	HELLWIG, Karl	
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	.
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	5.1.0	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	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.174	AMR speech codec, wideband; Test sequences	5.3.0	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	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	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	,	.
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	.
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	5.2.0	Rel-5	S4	NOHLGREN, Anders	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.0.0	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	0.1.0	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	.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	1.0.0	Rel-5	S4	VAINIO, Janne	.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.3.0	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)	5.1.0	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	5.2.0	Rel-5	N3	WILD, Johanna	.
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	TSG#11:Rel4->Rel5.
TS	27.226	Global Text telephony (GTT);Terminal aspects	none	Rel-5	T2	HELLSTROM, Gunnar	WI approved TSG#7. WG Secretary 2001-08-30: No need for any terminal spec for this application; so stopped.
TS	27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	5.2.0	Rel-5	S4	SUERBAUM, Clemens	.
TS	29.002	Mobile Application Part (MAP) specification	5.3.0	Rel-5	N4	DETTNER, Harald	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.3.0	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)	5.1.0	Rel-5	N4	VACANT,	.
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	DETTNER, Harald	.
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	DETTNER, Harald	.
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	5.2.0	Rel-5	N1	MILLS, Duncan	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.3.0	Rel-5	N4	YOUNG, Michael	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.3.0	Rel-5	N3	WILD, Johanna	NP-16: some indications from N3 report that this spec should not be considered frozen yet. So change freeze date from March 2002 to Sept 2002.
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.1.0	Rel-5	N2	NOLDUS, Rogier	Phase 4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.1.0	Rel-5	R3	VESELY, Alexander	.
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	29.162	Interworking between the IM CN subsystem and IP networks	1.0.0	Rel-5	N3	HOLLAND, Nigel	.
TS	29.163	Interworking between the IM CN subsystem and CS networks	1.2.0	Rel-5	N3	SANDERS, David	NP-16: shifted to Rel-6.
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	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	5.0.0	Rel-5	N5	BAKKER, John-Luc	Split into sub-parts.
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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	MCQUILLAN, Laura	.
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	.
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	29.198-09	Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF	none	Rel-5	N5	,	2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped.
TS	29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF	none	Rel-5	N5	,	2001-05-18: Changed to Rel-5 from Rel-4 on info from Zoicas. SP-14 stopped.
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	5.1.0	Rel-5	N4	ANGELO, Ciriaco	.
TS	29.203	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	none	Rel-5	N4	YOUNG, Michael	. TSG#11:creation; superseded by 29.903
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	5.1.0	Rel-5	N3	YOKOTA, Daisuke	.
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.1.0	Rel-5	N3	YOKOTA, Daisuke	.
TS	29.226	reserved	none	Rel-5	N4	VACANT,	WI approved TSG#7
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.1.0	Rel-5	N4	CZOMA, Balazs	.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.1.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.3.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.0.0	Rel-5	N2	REMOQUILLO, Angelica	TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.1.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.329	Sh interface based on the Diameter protocol	5.1.0	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	NP-11:creation 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	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-5	RP	COURAU, François	.
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	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2: INAP	none	Rel-5	N5	UNMEHOPA, Musa	SP-14 stopped.
TR	29.998-04-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 3: MEGACO mapping	none	Rel-5	N5	UNMEHOPA, Musa	.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP	5.0.0	Rel-5	N5	UNMEHOPA, Musa	.Was originally Rel-6, but moved to Rel 5 NP-15.
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	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2: INAP mapping	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3: MEGACO mapping	none	Rel-5	N5	UNMEHOPA, Musa	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.0.0	Rel-5	T3	VESTERGAARD, Peter	TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM Application	5.2.0	Rel-5	T3	HEIM, Christian	.
TS	31.103	Characteristics of the ISIM application	5.1.0	Rel-5	T3	,	.
TS	31.111	USIM Application Toolkit (USAT)	5.2.0	Rel-5	T3	WOODSEND, Kristian	.
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.2.0	Rel-5	T3	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	USAT interpreter byte codes	5.4.0	Rel-5	T3	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	USAT interpreter protocol and administration	5.2.0	Rel-5	T3	MEYER, Michael	
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.131	C-language binding for (U)SIM API	1.0.0	Rel-5	T3	TON, Wim	TP-17: Clear that the spec is Rel-6 not Rel-5.
TR	31.900	SIM/USIM internal and external interworking aspects	5.1.0	Rel-5	T3	KALINER, Stefan	.
TS	32.101	3G Telecom Management principles and high level requirements	5.1.0	Rel-5	S5	TRUSS, Michael	.
TS	32.102	3G Telecom Management Architecture	5.1.0	Rel-5	S5	BERGGREN, Tommy	.
TS	32.108	Telecommunication management; Subscriber and equipment trace	0.1.0	Rel-5	S5	RONKA, Kari	SP-15: Partial service only.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	5.2.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.112	Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.113	Telecommunication management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.114	Telecommunication management; Fault Management; Alarm Integration Reference Point: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.140	Services operations management; Subscription management requirements	0.5.5	Rel-5	S5	CARYER, Geoffrey	SP-15: move to Rel-6.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.200	Telecommunication management; Charging management; Charging principles	5.1.0	Rel-5	S5	AHLBÄCK, Hans	.
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	5.1.0	Rel-5	S5	BENDER, James	.
TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	5.1.0	Rel-5	S5	LEHNERT, Matthias	.
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.0.0	Rel-5	S5	SHARON, Ariel	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.0.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; Information Service version 1	5.0.1	Rel-5	S5	TSE, Edwin	.
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	5.1.1	Rel-5	S5	TOVINGER, Thomas	.
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point: CMIP Solution Set Version 1:1	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.312-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	none	Rel-5	S5	,	.
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP); Information service	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP); Corba solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP); CMIP solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.1.0	Rel-5	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.1.0	Rel-5	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.602	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.603	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.604	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
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	TOVINGER, Thomas	.
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	none	Rel-5	S5	TOVINGER, Thomas	.
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	TOVINGER, Thomas	.
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
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	.
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
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	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
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	.
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	.
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	5.0.0	Rel-5	S5	WILBER, John	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	WILBER, John	SP-15: will not exist in Rel-5. SP-17 Oh yes it will!
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM CMIP solution set	1.0.0	Rel-5	S5	WILBER, John	SP-15: will not exist in Rel-5. SP-17: Yes it will!
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CORBA Solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CMIP Solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.681	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.681	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.682	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Information service	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.682	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Information service	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.683	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.683	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
TS	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	PAL, Tapinder	SP-17: moved to Rel-6.
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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	32.800	Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	.
TR	32.801	Performance management	none	Rel-5	S5	KORINEK, Frank	2001-08-27: S5 Secretary: no document to be produced.
TR	32.802	Telecommunication management; User Equipment (UE) management feasibility study	5.1.0	Rel-5	S5	MUDGE, John	.
TS	33.102	3G security; Security architecture	5.0.0	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	5.4.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.1.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.0.0	Rel-5	S3	ESCOTT, Adrian	.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	.
TS	33.203	3G security; Access security for IP-based services	5.3.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.1.0	Rel-5	S3	KOIEN, Geir	
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	ESCOTT, Adrian	.2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.1.0	Rel-5	R2	BERGGREN, Anders	.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.1.1	Rel-5	T1	SALMERON, Lidia	.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.1.0	Rel-5	T1	HU, Shicheng	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.1.0	Rel-5	R4	SOERENSEN, Ole	.
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	.
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	.
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	.
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	.
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	.
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	.
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	.
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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	.
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	.
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	5.1.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	.
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	.
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	none	Rel-5	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 22.032.
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	.
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	5.0.0	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	5.1.0	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	5.4.0	Rel-5	T3	DIETRICH, Christian	.
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	.
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	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	.
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.
TS	43.035	Immediate Service Termination (IST); Stage 2	none	Rel-5	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 23.035.
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	5.7.0	Rel-5	G1	SÉBIRE, Guillaume	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	5.1.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.1.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	.
TR	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G1	GUARINO, Bernard	.
TR	43.930	Iur-g interface; Stage 2	5.1.0	Rel-5	G2	CARRIZO MARTINEZ, Jose Luis	This record originally created as Rel-6, but GP-10 approves as Rel-5. GP-11: Withdrawn and replaced with 43.130.
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	none	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	0.0.0	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	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
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	5.7.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.1.1	Rel-5	N3	RÄSÄNEN, Juha	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.5.0	Rel-5	G2	GARAPATY, Sonia	.
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	5.0.0	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	5.3.0	Rel-5	G2	BLACK, Jyoti	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	SALKINTZIS, Apostolis	.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.0.0	Rel-5	N1	SALKINTZIS, Apostolis	.
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	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode	5.1.0	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	5.1.0	Rel-5	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)	5.4.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.6.0	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	5.5.0	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	.
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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
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	5.0.0	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	5.0.0	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	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.7.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.5.0	Rel-5	G2	BLACK, Jyoti	.
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.1.0	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	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.0	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	5.0.0	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	.
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	.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	VACANT,	.
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	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-5	GP	MUELLER, Frank	GP-08: Assume planning is for Rel-5 now (since Rel-4 is frozen).
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.0.0	Rel-5	G5	HU, Shicheng	.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	5.0.0	Rel-5	G5	HU, Shicheng	.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	5.0.0	Rel-5	T3	GUTHERY, Scott B.	TP-16: Rel-5 version withdrawn.
TS	51.013	Test specification for SIM API for Java card	none	Rel-5	T3	LLOBREGAT, Fernando	TP-16: WI is TP-020122.
TS	51.021	GSM radio aspects base station system equipment specification	5.0.0	Rel-5	G3	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G3	BUSIN, Ake	.
TS	52.021	Network Management (NM) Procedures and Messages on the A-bis Interface	5.0.0	Rel-5	G3	TRUSS, Michael	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	none	Rel-5	S5	TOCHE, Christian	.

D.5 3GPP Specifications and reports Allocated to Release 6 (TBC)

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.104	3rd Generation mobile system Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	.
TR	21.905	Vocabulary for 3GPP Specifications	6.0.0	Rel-6	S1	ZARRI, Michele	.
TS	22.071	Location Services (LCS); Stage 1	6.1.0	Rel-6	S1	WOHLERT, Randolph	.
TS	22.101	Service aspects; Service principles	6.1.0	Rel-6	S1	DWYER, Paul	SP-020234 slide 11 justifies existence.
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	6.1.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.0.0	Rel-6	S1	LAUMEN, Josef	.
TS	22.141	Presence service; Stage 1	6.1.0	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.1.0	Rel-6	S1	JARVIS, Andre	.
TS	22.174	Push service; Stage 1	6.0.0	Rel-6	S1	WOLAK, Stephen	SP-15: Timed out of Rel-5.
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.1.0	Rel-6	S1	CATALDO, Mark	SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.0.0	Rel-6	S1	WOLAK, Stephen	.
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	none	Rel-6	S1	AMERY, Paul	SP-17: Expected for SP-18.
TS	22.242	Digital Rights Management (DRM); Stage 1	6.1.0	Rel-6	S1	WOOD, Nicholas	.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.0.0	Rel-6	S1	WILLIAMS, David Hugh	Delayed from Rel-5.
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	1.0.0	Rel-6	S1	KALLIOKULJU, Juha	.
TR	22.857	Run-time independent framework feasibility study	1.0.0	Rel-6	T2	WOODWARD, Ernest	.
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.0.0	Rel-6	S1	PAINT, Frédéric	.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	1.0.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18.
TR	22.950	Priority service feasibility study	6.0.0	Rel-6	S1	GARRAHAN, James	.
TR	22.951	Service aspects and requirements for network sharing	1.0.0	Rel-6	S1	ZARRI, Michele	TP-16: anticipate v1.0.0 at TP-17.
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	.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.1.0	Rel-6	T2	BRENK, Lars	.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	none	Rel-6	S2	GOURRAUD, Christophe	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TR	23.141	Presence service; Architecture and functional description; Stage 2	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	.
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	none	Rel-6	S2	TOWLE, Thomas	.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	,	.
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	RP-15: Delayed from Rel-5.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-6	S2	JARVIS, Andre	.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-6	S2	JARVIS, Andre	.
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.1.0	Rel-6	S2	KÅLL, Jan	Continues 23.871
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	TP-16: clear that service is Rel-6.
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.0.0	Rel-6	S2	JARVIS, Andre	SP-15: To be a Rel-6 service, not Rel-5.
TR	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study	0.2.0	Rel-6	S2	MOUSSET, Claire	.
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	0.2.0	Rel-6	N1	DRAGE, Keith	.
TS	25.101	UE Radio transmission and reception (FDD)	6.0.0	Rel-6	R4	FERNANDES, Edgar	.
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)	none	Rel-6	R2	KOULAKIOTIS, Dimitris	.
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.889	Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study	1.1.0	Rel-6	R4	STAHLFJALL, Peter	.
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.1.0	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	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	none	Rel-6	RP	KOULAKIOTIS, Dimitris	.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.993	Typical examples of RABs and RBs supported by UTRA	none	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TS	27.007	AT command set for 3G User Equipment (UE)	6.0.0	Rel-6	T2	TOMÉ, Olga	.
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	Rel-6	N3	SANDERS, David	NP-16: For earlier versions: see Rel-5.
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	none	Rel-6	N1	HOBBIS, Kevan	.
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	.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.0.0	Rel-6	T3	VESTERGAARD, Peter	TP-17: upgraded to Rel-6 as there are 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.
TS	31.113	USAT interpreter byte codes	6.1.0	Rel-6	T3	,	.
TS	31.114	USAT interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	6.1.0	Rel-6	T3	VIALLET, Sophie	SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	6.1.0	Rel-6	T3	VIALLET, Sophie	SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.131	C-language binding for (U)SIM API	6.0.0	Rel-6	T3	TON, Wim	.
TS	32.108	Telecommunication management; Subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	SP-05: Left overs from Rel-5. 2002-04-29: source Christian Toche - will not be published. Replace with 32.411, 32..42x and 52.008.
TS	32.140	Services operations management; Subscription management requirements	1.0.0	Rel-6	S5	CARYER, Geoffrey	SP-15: moved from Rel-5.
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	32.421	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	1.0.0	Rel-6	S5	KORINEK, Frank	.
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	WILBER, John	.
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM CMIP solution set	none	Rel-6	S5	WILBER, John	.
TS	32.681	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements	none	Rel-6	S5	PAL, Tapinder	.
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	32.682	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	.
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#15	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	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CMIP solution set	none	Rel-6	S5	PAL, Tapinder	.
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	1.0.1	Rel-6	S3	,	SP-17: expect v2.0.0 at SP-18.
TR	33.910	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	none	Rel-6	S3	,	.
TS	34.131	Test specification for C-language binding for (U)SIM API	1.0.0	Rel-6	T3	GUTHERY, Scott B.	.
TS	41.104	GSM Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	.
TR	41.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	none	Rel-6	G1	GROSS, Robert	Renumbered to 45.811.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	none	Rel-6	T3	DIETRICH, Christian	TP-17: Technical contents transferred to ETSI SCP. Replaced by ETSI TS 102 240.
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	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	.
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	6.0.0	Rel-6	S3	,	.
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	6.0.0	Rel-6	S3	,	.
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	6.0.0	Rel-6	S3	,	.
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	6.0.0	Rel-6	S3	,	.

Annex E: List of Change Requests and their status after TSG SA Meeting #17

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020549	21.905	039		5.4.0	Rel-5	Addition of GERAN definitions and abbreviations	revised	F		Vocabulary for 3GPP Specifications
SP-020596	21.905	039	1	5.4.0	Rel-5	Addition of GERAN definitions and abbreviations	approved	F	5.5.0	Vocabulary for 3GPP Specifications
SP-020549	21.905	040		5.4.0	Rel-5	Addition of missing GSM/GPRS abbreviations	revised	F		Vocabulary for 3GPP Specifications
SP-020596	21.905	040	1	5.4.0	Rel-5	Addition of missing GSM/GPRS abbreviations	approved	F	5.5.0	Vocabulary for 3GPP Specifications
SP-020555	21.905	041		5.4.0	Rel-6	definitions from TR 22.951	approved	B	6.0.0	Vocabulary for 3GPP Specifications
SP-020555	21.905	042		5.4.0	Rel-6	Enhancement of the definition of the 'Subscriber'	approved	F	6.0.0	Vocabulary for 3GPP Specifications
SP-020547	22.011	047		3.7.0	R99	correction to periodic PLMN scan	approved	F	3.8.0	Service accessibility
SP-020547	22.011	048		4.7.0	Rel-4	correction to periodic PLMN scan	approved	A	4.8.0	Service accessibility
SP-020547	22.011	049		5.0.0	Rel-5	correction to periodic PLMN scan	approved	A	5.1.0	Service accessibility
SP-020556	22.071	042		6.0.0	Rel-6	Too big file size	approved	D	6.1.0	Location Services (LCS); Stage 1
SP-020556	22.071	043		6.0.0	Rel-6	LCS Anonymous requestor and anonymous target mobile (REL6)	approved	B	6.1.0	Location Services (LCS); Stage 1
SP-020556	22.071	044		6.0.0	Rel-6	LCS Codeword improvements (REL6)	approved	B	6.1.0	Location Services (LCS); Stage 1
SP-020556	22.071	045		6.0.0	Rel-6	LCS extended user privacy	approved	B	6.1.0	Location Services (LCS); Stage 1
SP-020556	22.071	046		6.0.0	Rel-6	regional specific location accuracy requirements	approved	C	6.1.0	Location Services (LCS); Stage 1
SP-020550	22.078	148	1	5.7.0	Rel-5	Clarification on re-connecting held parties in a CPH configuration	approved	F	5.8.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020550	22.078	149		5.7.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.8.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020557	22.101	097	1	6.0.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service aspects; Service principles
SP-020552	22.101	098	1	5.6.0	Rel-5	Clarification of IMS service delivery (for rel 5)	approved	F	5.7.0	Service aspects; Service principles
SP-020552	22.101	100	1	5.6.0	Rel-5	Additional download functionality to emergency call procedures	approved	F	5.7.0	Service aspects; Service principles
SP-020551	22.101	101		5.6.0	Rel-5	Clarifications on ISIM requirements Rel 5	rejected	F		Service aspects; Service principles
SP-020551	22.101	102		6.0.0	Rel-6	Clarifications on ISIM requirements Rel 5	rejected	A		Service aspects; Service principles
SP-020557	22.101	103		6.0.0	Rel-6	Clarification of SIM support in Rel-6	approved	F	6.1.0	Service aspects; Service principles
SP-020557	22.101	104		6.0.0	Rel-6	Removal of implementation details for directory number in SMS and other services	approved	B	6.1.0	Service aspects; Service principles
SP-020557	22.101	105		6.0.0	Rel-6	Rel-6 Clean up of IMS Rel 6 to re-instate requirements	approved	F	6.1.0	Service aspects; Service principles
SP-020557	22.101	106		6.0.0	Rel-6	Independent and linked subscriptions	rejected	B		Service aspects; Service principles
SP-020548	22.105	037		4.3.0	Rel-4	Forbidden LAs for regional provision of service	rejected	F		Services and service capabilities
SP-020548	22.105	038		5.2.0	Rel-5	Forbidden LAs for regional provision of service	rejected	A		Services and service capabilities
SP-020558	22.105	039		5.2.0	Rel-6	on subscriber certificates	approved	B	6.0.0	Services and service capabilities
SP-020598	22.127	050		6.0.0	Rel-6	Reintroduction of User Data management and User data security management postponed from R5	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	051		6.0.0	Rel-6	Network function for Multimedia Messaging	approved	B	6.1.0	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-020598	22.127	052		6.0.0	Rel-6	OSA support of enhanced user privacy	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	053		6.0.0	Rel-6	Reintroduction of features postponed in Rel-5	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	054		6.0.0	Rel-6	extensions to policy management complex parameters	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	055		6.0.0	Rel-6	extensions to policy management third party applications	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	056		6.0.0	Rel-6	Reintroduction of Presence Service	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020598	22.127	057		6.0.0	Rel-6	OSA support of Generic Network Interface function	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020553	22.140	017		5.2.0	Rel-5	Removal of SMS and USSD as possible bearers from 22.140 v5.2.0	approved	F	5.3.0	Multimedia Messaging Service (MMS); Stage 1
SP-020560	22.141	015		6.0.0	Rel-6	Presence TS - Cleaning of requirements	approved	F	6.1.0	Presence service; Stage 1
SP-020560	22.141	016		6.0.0	Rel-6	Presence TS - Tidy up of security requirements	approved	F	6.1.0	Presence service; Stage 1
SP-020561	22.146	033		6.0.0	Rel-6	Support of simultaneous services in MBMS	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	034		6.0.0	Rel-6	Proposal for Amalgamation of 1279, 1334, 1291	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	035		6.0.0	Rel-6	addition of QoS information	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	036		6.0.0	Rel-6	MBMS Editorial CR	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	037		6.0.0	Rel-6	MBMS Availability	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	038		6.0.0	Rel-6	Multicast service discovery	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020561	22.146	039		6.0.0	Rel-6	MBMS Charging	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020562	22.228	015	1	6.0.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1
SP-020562	22.228	017		6.0.0	Rel-6	IMS interworking	approved	B	6.1.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1
SP-020563	22.233	001		5.0.0	Rel-6	Requirement for efficient use of transport resources for PS Streaming	approved	B	6.0.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020563	22.233	002		5.0.0	Rel-6	CR, PSS server file format	approved	B	6.0.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020564	22.242	001		6.0.0	Rel-6	Clean-up	approved	F	6.1.0	Digital Rights Management (DRM); Stage 1

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020604	03.60	215		6.10.1	R97	No MT calls after resumption of GPRS when using NMO=1	approved	F	6.11.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	03.60	216		7.8.1	R98	No MT calls after resumption of GPRS when using NMO=1	approved	A	7.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020529	03.71	043		8.6.0	R99	Privacy class selection flow diagram	approved	F	8.7.0	Location Services (LCS); Functional description; Stage 2
SP-020530	23.002	056	1	3.5.0	R99	The usage of Iu-interface signalling is missing in the E-interface description	approved	F	3.6.0	Network architecture
SP-020530	23.002	057	1	4.4.0	Rel-4	The usage of Iu-interface signalling is missing in the E-interface description	approved	A	4.5.0	Network architecture
SP-020530	23.002	058	1	5.7.0	Rel-5	The usage of Iu-interface signalling is missing in the E-interface description	approved	A	5.8.0	Network architecture
SP-020530	23.002	097	2	5.7.0	Rel-5	Mc interface	approved	F	5.8.0	Network architecture
SP-020530	23.002	098	1	5.7.0	Rel-5	Clean-up	approved	F	5.8.0	Network architecture
SP-020530	23.002	099	2	4.4.0	Rel-4	Align LCS architecture based on impacts from Radio Access Networks (RAN & GERAN)	approved	F	4.5.0	Network architecture
SP-020530	23.002	100	3	5.7.0	Rel-5	Align LCS architecture based on impacts from Radio Access Networks (RAN & GERAN)	rejected	F		Network architecture
SP-020530	23.002	103	1	5.7.0	Rel-5	IMS Reference Points	approved	F	5.8.0	Network architecture
SP-020604	23.060	372	1	5.2.0	Rel-5	Correction of reference in the Scope	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	373	2	3.12.0	R99	Clarification to preserved real-time PDP contexts RAB establishment	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	374		4.5.0	Rel-4	Clarification to preserved real-time PDP contexts RAB establishment	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	375		5.2.0	Rel-5	Clarification to preserved real-time PDP contexts RAB establishment	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	379		5.2.0	Rel-5	Addition of PCO IE to PDP Modification procedure	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	383	1	3.12.0	R99	Handling of PDP contexts using a extended TI	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	384	1	4.5.0	Rel-4	Handling of PDP contexts using a extended TI	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	385	1	5.2.0	Rel-5	Handling of PDP contexts using a extended TI	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	388	1	5.2.0	Rel-5	Clarification on MS Initiated Service Request Procedure	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	391	1	5.2.0	Rel-5	Considering Gb mode in description of PDP context modification and deactivation	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	392		4.5.0	Rel-4	Correction of LCS reference	approved	F	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	393		5.2.0	Rel-5	Correction of LCS reference	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020604	23.060	394		5.2.0	Rel-5	Sending downlink packet during SRNS relocation	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	395		5.2.0	Rel-5	Introduction of flow control per PFC between the SGSN and BSS	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	396	1	3.12.0	R99	QoS attributes requested in case of RT QoS	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	397	1	4.5.0	Rel-4	QoS attributes requested in case of RT QoS	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	398	1	5.2.0	Rel-5	QoS attributes requested in case of RT QoS	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	400		3.12.0	R99	Handling of preserved PDP contexts	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	401		4.5.0	Rel-4	Handling of preserved PDP contexts	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	402		5.2.0	Rel-5	Handling of preserved PDP contexts	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	405		4.5.0	Rel-4	Removal of Forward SRNS Context Acknowledge message	approved	F	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	406	1	5.2.0	Rel-5	Removal of Forward SRNS Context Acknowledge message	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	407	1	3.12.0	R99	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020606	23.060	407	2	3.12.0	R99	No MT calls after resumption of GPRS when using NMO=1	approved	A	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	408	1	4.5.0	Rel-4	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020606	23.060	408	2	4.5.0	Rel-4	No MT calls after resumption of GPRS when using NMO=1	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	409	1	5.2.0	Rel-5	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-020606	23.060	409	2	5.2.0	Rel-5	No MT calls after resumption of GPRS when using NMO=1	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	410		3.12.0	R99	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	411		4.5.0	Rel-4	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020604	23.060	412		5.2.0	Rel-5	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020531	23.107	111	3	3.8.0	R99	Subscribed QoS	approved	F	3.9.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	112	3	4.4.0	Rel-4	Subscribed QoS	approved	A	4.5.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	113	3	5.5.0	Rel-5	Subscribed QoS	approved	A	5.6.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	114	1	3.8.0	R99	Modification of the minimum transfer delay value for traffic class Streaming	approved	F	3.9.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	115	1	4.4.0	Rel-4	Modification of the minimum transfer delay value for traffic class Streaming	approved	A	4.5.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	116	1	5.5.0	Rel-5	Modification of the minimum transfer delay value for traffic class Streaming	approved	A	5.6.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	125		3.8.0	R99	Classes of service vs Traffic classes	approved	F	3.9.0	Quality of Service (QoS) concept and architecture

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020531	23.107	126		4.4.0	Rel-4	Classes of service vs Traffic classes	approved	A	4.5.0	Quality of Service (QoS) concept and architecture
SP-020531	23.107	127		5.5.0	Rel-5	Classes of service vs Traffic classes	approved	A	5.6.0	Quality of Service (QoS) concept and architecture
SP-020529	23.171	026	1	3.8.0	R99	Privacy class selection flow diagram	approved	F	3.9.0	Location Services (LCS); Functional description; Stage 2 (UMTS)
SP-020529	23.171	028		3.8.0	R99	Wrong numbering in chapter 5.4.3	rejected	F		Location Services (LCS); Functional description; Stage 2 (UMTS)
SP-020532	23.207	040	4	5.4.0	Rel-5	Source IP address filtering for Service Based Local Policy	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020532	23.207	36	1	5.4.0	Rel-5	Modification of IMS Signalling PDP context	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020532	23.207	37	2	5.4.0	Rel-5	SBLP Handling and TFT Processing	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020532	23.207	39	1	5.4.0	Rel-5	Policy control procedures on PDP context modification	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020532	23.207	43	1	5.4.0	Rel-5	Alignment with stage 3	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020532	23.207	45		5.4.0	Rel-5	Alignment with stage 3- RSVP	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020533	23.221	34	1	5.5.0	Rel-5	Change of reference to IPv6 host requirements	approved	F	5.6.0	Architectural requirements
SP-020534	23.228	175	1	5.5.0	Rel-5	The use of the Secondary PDP Context Activation Procedure for IMS	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	176	2	5.5.0	Rel-5	Modification of IMS Signalling PDP context	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	178	2	5.5.0	Rel-5	Clarification on terminology in 23.228: user and subscriber	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	179		5.5.0	Rel-5	Clarification on registration procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	180	1	5.5.0	Rel-5	Procedures for providing or blocking identity	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	181	1	5.5.0	Rel-5	Corrections on session redirection procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	182	1	5.5.0	Rel-5	Policy control procedures on PDP context modification	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	183	5	5.5.0	Rel-5	Location information in IMS	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	185	1	5.5.0	Rel-5	Re-registration procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	187		5.5.0	Rel-5	Deletion of ISC interface support for control of timers	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	188	2	5.5.0	Rel-5	Support of Originated Requests from Application Servers	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	195	2	5.5.0	Rel-5	Updates to unify draft changes	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	197		5.5.0	Rel-5	Private ID cleanup	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	198	1	5.5.0	Rel-5	ISC cleanup	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	199	1	5.5.0	Rel-5	Emergency sessions	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020534	23.228	202	1	5.5.0	Rel-5	Clarification on Filter Criteria	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020529	23.271	081	7	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 9: General Network Positioning Procedures	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	096		5.3.0	Rel-5	Handling of codeword in case of combined periodical/deferred MT-LR	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	099	1	4.6.0	Rel-4	Privacy procedure correction	approved	D	4.7.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	100	1	5.3.0	Rel-5	Privacy procedure correction	approved	A	5.4.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	101	1	4.6.0	Rel-4	Removal of IMS in LCS for call/session related class	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	102	1	5.3.0	Rel-5	Removal of IMS in LCS for call/session related class	approved	A	5.4.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	105	2	6.0.0	Rel-6	Type indicator for LCS client name and requestor identity	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	110	1	5.3.0	Rel-5	Clarification of Interworking mechanism between network nodes in different releases	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2

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SP-020529	23.271	111		6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 3, 5 and 6: Abbreviations, General LCS Architecture and LCS Architecture	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	112	1	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 10.5: Interworking mechanism between network nodes in different releases	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	113	1	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 9.1.2/9.1.6: CS-MT-LR/PS-MT-LR Procedures	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	114	1	4.6.0	Rel-4	Receiving the deferred MT-LR for the UE during waiting for the event of the same UE	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	115	1	5.3.0	Rel-5	Receiving the deferred MT-LR for the UE during waiting for the event of the same UE	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	118		4.6.0	Rel-4	Removing "HSS" and "Le is FFS" from Rel-4 specification	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2
SP-020529	23.271	119	2	6.0.0	Rel-6	Introducing the privacy profile register	approved	B	6.1.0	Location Services (LCS); Functional 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-020509	23.035	001		3.0.0	R99	Correction of use IST Command message and Call Termination Indication parameter	approved	F	3.1.0	Immediate Service Termination (IST); Stage 2
SP-020509	23.035	002		4.0.0	Rel-4	Correction of use IST Command message and Call Termination Indication parameter	approved	A	4.1.0	Immediate Service Termination (IST); Stage 2
SP-020509	23.035	003		5.0.0	Rel-5	Correction of use IST Command message and Call Termination Indication parameter	approved	A	5.1.0	Immediate Service Termination (IST); Stage 2
SP-020510	33.106	004		5.0.0	Rel-5	clarify interception capabilities	approved	F	5.1.0	Lawful interception requirements
SP-020511	33.107	026		5.3.0	Rel-5	Essential clarification to the Timestamp IE	approved	F	5.4.0	3G security; Lawful interception architecture and functions
SP-020511	33.107	027		5.3.0	Rel-5	Additional X3-interface parameters	approved	F	5.4.0	3G security; Lawful interception architecture and functions
SP-020512	33.108	001		5.0.0	Rel-5	Corrections	approved	F	5.1.0	3G security; Handover interface for Lawful Interception (LI)
SP-020583	33.203	012		5.2.0	Rel-5	SA handling when the UE changes IP address	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	013		5.2.0	Rel-5	Removal of some editor notes in TS33.203	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	014		5.2.0	Rel-5	Correction to S-CSCF behaviour on Network Authentication Failure	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	015		5.2.0	Rel-5	Correcting the network behaviour in response to an incorrect AUT-S	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	016		5.2.0	Rel-5	Mitigating reflection attacks in IMS	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	017		5.2.0	Rel-5	Protect port number to be assigned by UE in re-registration	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	018		5.2.0	Rel-5	One SA for both TCP and UDP sockets	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	019		5.2.0	Rel-5	Correction of authentication vector distribution procedure	approved	F	5.3.0	3G security; Access security for IP-based services

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020583	33.203	020		5.2.0	Rel-5	The definition of the key to be used for HMAC-SHA1-96 within ESP	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	021		5.2.0	Rel-5	Draft-ietf-sip-sec-agree syntax for manually keyed Ipsec	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	022		5.2.0	Rel-5	Update of User Authentication Failure	approved	F	5.3.0	3G security; Access security for IP-based services
SP-020583	33.203	023	-	5.2.0	Rel-5	Update of SA handling procedures	approved	F	5.3.0	3G security; Access security for IP-based services

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020436	26.093	007		3.3.0	R99	Correction of Codec Type Names	rejected	F		AMR speech Codec; Source Controlled Rate operation
SP-020436	26.093	008		4.0.0	Rel-4	Correction of Codec Type Names	rejected	A		AMR speech Codec; Source Controlled Rate operation
SP-020436	26.093	009		5.0.0	Rel-5	Correction of Codec Type Names	approved	F	5.1.0	AMR speech Codec; Source Controlled Rate operation
SP-020437	26.103	020	1	5.2.0	Rel-5	TrFO-Signalling for allowed AMR-WB Configurations	approved	F	5.3.0	Speech codec list for GSM and UMTS
SP-020435	26.131	010	1	3.3.0	R99	Removal of wideband telephony from terminal acoustic requirements	approved	F	3.4.0	Terminal acoustic characteristics for telephony; Requirements
SP-020435	26.131	011	1	4.1.0	Rel-4	Removal of wideband telephony from terminal acoustic requirements	approved	A	4.2.0	Terminal acoustic characteristics for telephony; Requirements
SP-020435	26.131	012		3.3.0	R99	Correction on the ANR requirement for hands-free Ues	rejected	F		Terminal acoustic characteristics for telephony; Requirements
SP-020435	26.131	013	1	4.1.0	Rel-4	Correction on the ANR requirement for hands-free Ues	rejected	A		Terminal acoustic characteristics for telephony; Requirements
SP-020435	26.131	014		5.1.0	Rel-5	Correction on the ANR requirement for hands-free Ues	approved	F	5.2.0	Terminal acoustic characteristics for telephony; Requirements
SP-020435	26.132	012	1	3.4.0	R99	Removal of wideband telephony from terminal acoustic tests	approved	F	3.5.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020435	26.132	013	1	4.2.0	Rel-4	Removal of wideband telephony from terminal acoustic tests	approved	A	4.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020435	26.132	014		3.4.0	R99	Correction on ANR test for hands-free Ues	rejected	F		Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020435	26.132	015	1	4.2.0	Rel-4	Correction on ANR test for hands-free Ues	rejected	A		Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020435	26.132	016		5.2.0	Rel-5	Correction on ANR test for hands-free Ues	approved	F	5.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-020437	26.202	001	2	5.0.0	Rel-5	Consideration of allowed Configurations for AMR-WB	approved	F	5.1.0	AMR speech codec, wideband; Interface to Iu and Uu
SP-020439	26.234	030	2	5.1.0	Rel-5	Correction regarding support for Timed Text	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020439	26.234	032	3	5.1.0	Rel-5	Required RTSP header support	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020439	26.234	034	1	5.1.0	Rel-5	Including bitrate information for H.263	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020439	26.234	035	1	5.1.0	Rel-5	RTCP Reports and Link Aliveness in Ready State	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs

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SP-020439	26.234	036	2	5.1.0	Rel-5	Correction on media and session-level bandwidth fields in SDP	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020439	26.234	037	2	5.1.0	Rel-5	Correction on usage of MIME parameters for AMR	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020439	26.234	038	1	5.1.0	Rel-5	Correction of Mapping of SDP parameters to UMTS QoS parameters (Annex J)	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-020437	28.062	030	1	5.1.0	Rel-5	TFO-Signalling for allowed AMR-WB Configurations	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020437	28.062	031	2	5.1.0	Rel-5	Simplified TFO Decision for AMR-WB	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020438	28.062	033	2	5.1.0	Rel-5	TFO-Signalling for preferred AMR-NB Configurations	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020438	28.062	034		5.1.0	Rel-5	TFO Version Handling	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020449	32.101	019	-	5.0.0	Rel-5	Introduction of new section “O&M of the UMTS Infrastructure Management”	approved	B	5.1.0	3G Telecom Management principles and high level requirements
SP-020450	32.102	020	-	5.0.0	Rel-5	Correction of diagrams describing entities of the mobile system to be managed	approved	F	5.1.0	3G Telecom Management Architecture
SP-020450	32.102	021	-	5.0.0	Rel-5	IS Template Changes to support new UML Repertoire/Methodology	approved	F	5.1.0	3G Telecom Management Architecture
SP-020450	32.102	022	-	5.0.0	Rel-5	Addition of 3GPP UML Repertoire for IRP: IS	approved	F	5.1.0	3G Telecom Management Architecture
SP-020479	32.102	023	-	5.0.0	Rel-5	Add optional parameters in CORBA Solution Set IDLs	approved	F	5.1.0	3G Telecom Management Architecture
SP-020477	32.111-1	004	-	5.0.0	Rel-5	Add requirements for new clearAlarms() operation in Alarm IRP	approved	B	5.1.0	Telecommunication management; Fault Management; Part 1: 3G fault management requirements
SP-020474	32.111-2	016	-	4.3.0	Rel-4	Remove functionality in the Rel-4 Information Service corresponding to Rel-5 Fault Management requirements	approved	F	4.4.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020477	32.111-2	017	-	5.0.0	Rel-5	Add clearAlarms() operation for Alarm IRP:IS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020478	32.111-2	018	-	5.0.0	Rel-5	Add security alarms support in Alarm IRP: IS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020476	32.111-3	017	-	5.0.0	Rel-5	Addition of "indeterminate" probable cause in IDL definition	approved	F	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020477	32.111-3	018	-	5.0.0	Rel-5	Add clearAlarm and other updates	approved	B	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1

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SP-020479	32.111-3	019	-	5.0.0	Rel-5	Add optional string parameters in CORBA Solution Set	approved	F	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020475	32.111-3	020	-	4.3.0	Rel-4	Correction of CORBA type definition in struct "AlarmInformationIdAndSev"	approved	F	4.4.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020478	32.111-3	021	-	5.0.0	Rel-5	Add security alarms support in Alarm IRP: CORBA SS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020480	32.111-4	011	-	5.1.0	Rel-5	Alignment with 32.111-2 on Alarm Clearance Functionality	approved	F	5.2.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020454	32.235	003	-	4.2.0	Rel-4	Corrections based on synchronisation of MMS ASN.1 and CDR definition tables	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services
SP-020454	32.235	004	-	4.2.0	Rel-4	Combine the Recipient MM1 Retrieve Request and Recipient MM1 Retrieve Response CDRs	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services
SP-020454	32.235	005	-	4.2.0	Rel-4	Alignment of the Message size definition with TS 23.140	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services
SP-020455	32.235	006	-	4.2.0	Rel-5	Add support of Persistent Network-based storage in MMS charging	approved	B	5.0.0	Telecommunication management; Charging management; Charging data description for application services
SP-020481	32.300	002	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects
SP-020482	32.303	003	-	4.2.0	Rel-4	Corrections to CORBA IDL specification "NotificationIRPSystem"	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1
SP-020482	32.303	004	-	5.0.0	Rel-5	Corrections to CORBA IDL specification "NotificationIRPSystem"	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1
SP-020479	32.303	005	-	5.0.0	Rel-5	Add optional parameters in CORBA Solution Set	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1
SP-020501	32.401	002	-	4.1.0	Rel-4	Alignment with CM TSs of measurement file parameter descriptions and examples	approved	F	4.2.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-020502	32.401	003	-	5.0.0	Rel-5	Description of Alarm IRP usage for performance alarms	approved	C	5.1.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-020502	32.401	004	-	5.0.0	Rel-5	Addition of measurement file XML schema and miscellaneous alignments with CM	approved	B	5.1.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-020503	32.403	007	-	5.0.0	Rel-5	Add Performance Measurement (PM) definitions related to GGSN	withdrawn	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020503	32.403	008	-	5.0.0	Rel-5	Add an optional “Purpose” clause in the measurement template	withdrawn	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM

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SP-020609	32.403	009	-	5.0.0	Rel-5	Introduction of Service Based Performance Measurement Definitions	approved	B	5.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020503	32.403	009	-	5.0.0	Rel-5	Introduction of Service Based Performance Measurement Definitions	reissued	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020503	32.403	010	-	5.0.0	Rel-5	Add flexibility in the measurement template for the Measured Object Class (MOC)	reissued	C		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020609	32.403	010	-	5.0.0	Rel-5	Add flexibility in the measurement template for the Measured Object Class (MOC)	approved	C	5.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020483	32.600	001	-	4.0.0	Rel-5	Add Kernel CM, Revise Basic (adding Active CM) and Bulk CM	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Concept and high-level requirements
SP-020483	32.601	001	-	4.0.0	Rel-5	Add Active CM and Update Basic CM requirements	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements
SP-020483	32.602	002	-	4.1.0	Rel-5	Add Active CM and new methodology, Remove CM Notifications (moved to Kernel CM - 32.66x)	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service
SP-020483	32.603	006	-	4.3.1	Rel-5	Add Active Basic CM feature - CORBA Solution Set	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set
SP-020486	32.611	002	-	5.0.0	Rel-5	Additional Bulk CM IRP requirements for Rel-5	approved	C	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements
SP-020486	32.612	003	-	4.2.0	Rel-5	Add Bulk CM IRP IS Enhancements for Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service
SP-020484	32.612	003	-	4.2.0	Rel-4	Correction of pre- and post-conditions for the operations getSessionStatus and getSessionLog	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service
SP-020485	32.613	005	-	4.2.0	Rel-4	Correction of Mapping fallbackEnabled Qualifier	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set
SP-020486	32.613	006	-	4.2.0	Rel-5	Add Bulk CM IRP CORBA Solution Set Enhancements Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set
SP-020487	32.621	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements
SP-020488	32.622	006	-	4.3.0	Rel-5	Upgrade to Rel-5 (Add new IS method, MOC name convention)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)

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SP-020488	32.623	004	-	4.2.0	Rel-5	Upgrade the NRM CORBA Solution Set to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set
SP-020488	32.624	009	-	4.4.0	Rel-5	Upgrade the NRM CMIP Solution Set to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set
SP-020489	32.632	003	-	4.2.0	Rel-5	Upgrade to Rel-5 the Network Resource Model for Core Network Management (add Managed Object Classes (MOCs)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020489	32.633	002	-	4.1.0	Rel-5	Upgrade to Rel-5 the CORBA SS for Core Network NRM (add Managed Object Classes (MOCs)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set
SP-020491	32.641	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements
SP-020490	32.642	003	-	4.1.0	Rel-4	UML corrections	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020492	32.642	004	-	4.1.0	Rel-5	Add the new IRP IS methodology defined in 32.102	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020492	32.642	005	-	4.1.0	Rel-5	Add State Management	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020493	32.643	002	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set
SP-020495	32.651	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): requirements
SP-020494	32.652	006	-	4.3.0	Rel-4	UML corrections	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020496	32.652	007	-	4.3.0	Rel-5	Add State Management	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020496	32.652	008	-	4.3.0	Rel-5	Add new IRP IS methodology defined in 32.102.	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020497	32.653	003	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set

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SP-020451	32.802	001	-	5.0.0	Rel-5	Corrections to Abbreviations, Architecuture, Proposed plan, Risks and Annex A clauses.	approved	F	5.1.0	Telecommunication management; User Equipment (UE) management feasibility study

E.6 CRs direct to TSG SA#17

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020518	01.01	008	-	8.6.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications
SP-020614	01.01	008	1	8.6.0	R99	Correction to list of specifications	approved	F	8.7.0	GSM Release 1999 Specifications
SP-020515	21.101	011	-	3.8.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-020611	21.101	011	1	3.8.0	R99	Correction to list of specifications	approved	F	3.9.0	3rd Generation mobile system Release 1999 Specifications
SP-020516	21.102	008	-	4.5.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications
SP-020612	21.102	008	1	4.5.0	Rel-4	Correction to list of specifications	approved	F	4.6.0	3rd Generation mobile system Release 4 specifications
SP-020517	21.103	001	-	5.0.0	Rel-5	Correction to list of specifications	revised	F		3rd Generation mobile system Release 5 specifications
SP-020613	21.103	001	1	5.0.0	Rel-5	Correction to list of specifications	revised	F		3rd Generation mobile system Release 5 specifications
SP-020628	21.103	001	2	5.0.0	Rel-5	Correction to list of specifications	approved	F	5.1.0	3rd Generation mobile system Release 5 specifications
SP-020519	41.102	007	-	4.5.1	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-020615	41.102	007	1	4.5.1	Rel-4	Correction to list of specifications	approved	F	4.6.0	GSM Release 4 specifications
SP-020520	41.103	001	-	5.0.0	Rel-5	Correction to list of specifications	revised	F		GSM Release 5 specifications
SP-020616	41.103	001	1	5.0.0	Rel-5	Correction to list of specifications	approved	F	5.1.0	GSM Release 5 specifications

Annex F: Status of all 3GPP CRs after TSG SA #17 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020370	04.08	A1121	1	6.18.0	R97	Support of GTT (CTM)	approved	F	6.19.0	Mobile radio interface layer 3 specification	N1
NP-020370	04.08	A1123		7.17.0	R98	Support of GTT (CTM)	approved	A	7.18.0	Mobile radio interface layer 3 specification	N1
NP-020366	23.009	073	5	5.1.0	Rel-5	Correction for Inter-MSC relocation procedure due to multiple codecs	rejected	F		Handover procedures	N1
NP-020472	23.009	073	6	5.1.0	Rel-5	Correction for Inter-MSC relocation procedure due to multiple codecs	rejected	F		Handover procedures	N1
NP-020366	23.009	078		3.10.0	R99	Correction to codec handling in Inter-MSC Handover	approved	F	3.11.0	Handover procedures	N1
NP-020366	23.009	079		4.4.0	Rel-4	Correction to codec handling in Inter-MSC Handover	approved	A	4.5.0	Handover procedures	N1
NP-020383	23.009	080	1	5.1.0	Rel-5	Support for Shared Network Area	approved	B	5.2.0	Handover procedures	N1
NP-020365	23.014	004	2	3.1.0	R99	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.	approved	F	3.2.0	Support of Dual Tone Multi Frequency (DTMF) signalling	N1
NP-020365	23.014	005	1	4.0.0	Rel-4	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.	approved	A	4.1.0	Support of Dual Tone Multi Frequency (DTMF) signalling	N1
NP-020365	23.014	006		5.0.0	Rel-5	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.	approved	A	5.1.0	Support of Dual Tone Multi Frequency (DTMF) signalling	N1
NP-020369	23.122	049	1	3.7.0	R99	Removal of CBQ2	approved	F	3.8.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020369	23.122	050		4.1.0	Rel-4	Removal of CBQ2	approved	A	4.2.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020369	23.122	051		5.0.0	Rel-5	Removal of CBQ2	approved	A	5.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020383	23.122	052	1	5.0.0	Rel-5	Applicability of the lists of "forbidden LAs"	approved	F	5.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020367	23.122	053		3.7.0	R99	Routing Area Update at network change	approved	F	3.8.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020367	23.122	054		4.1.0	Rel-4	Routing Area Update at network change	approved	F	4.2.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020367	23.122	055		5.0.0	Rel-5	Routing Area Update at network change	approved	F	5.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020373	23.218	021	1	5.1.0	Rel-5	Service profiles and implicitly registered public user identities	approved	F	5.2.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020373	23.218	022	2	5.1.0	Rel-5	Clarification on specialized charging server	approved	F	5.2.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020373	23.218	025	1	5.1.0	Rel-5	Clarification on location information for IMS	approved	F	5.2.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020373	23.218	026	1	5.1.0	Rel-5	Proposed change of term SPI to SPT	approved	F	5.2.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020373	23.218	027	1	5.1.0	Rel-5	Support of originating requests from Application Servers	approved	F	5.2.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020383	24.007	057	1	5.0.0	Rel-5	Clarification of the CN release indicators	approved	F	5.1.0	Mobile radio interface signalling layer 3; General Aspects	N1

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NP-020382	24.008	561	3	5.4.0	Rel-5	MM behaviour in case of a combined attach reject for the PS service	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020384	24.008	643	2	5.4.0	Rel-5	GERAN Iu Mode Capability	approved	B	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020380	24.008	644		5.4.0	Rel-5	Go related error code to UE	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020369	24.008	648		3.12.0	R99	Removal of CBQ2	approved	F	3.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020369	24.008	649		4.7.0	Rel-4	Removal of CBQ2	approved	A	4.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020369	24.008	650		5.4.0	Rel-5	Removal of CBQ2	approved	A	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020381	24.008	651	1	5.4.0	Rel-5	Usage of the Service Request procedure	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020382	24.008	652		5.4.0	Rel-5	MS behavior in case of change of network mode of operation	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020394	24.008	652	1	5.4.0	Rel-5	MS behavior in case of change of network mode of operation	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020394	24.008	652	2	5.4.0	Rel-5	MS behavior in case of change of network mode of operation	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020382	24.008	653	1	5.4.0	Rel-5	MS behavior in case of T3312 expiry	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020382	24.008	654	1	5.4.0	Rel-5	Ambiguous MM behavior in case of a failed combined Attach or RAU	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	665		3.12.0	R99	Usage of Service Request type 'data'	approved	F	3.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	666		4.7.0	Rel-4	Usage of Service Request type 'data'	approved	A	4.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	667		5.4.0	Rel-5	Usage of Service Request type 'data'	approved	A	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020371	24.008	668		5.4.0	Rel-5	Introduction of PCO in more session management messages	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-020372	24.008	669		5.4.0	Rel-5	Request for DNS IPv6 server address	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020371	24.008	670		5.4.0	Rel-5	Clean-up of text for the PCO-IE	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	671	3	3.12.0	R99	Correction to service request procedure	approved	F	3.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	672	3	4.7.0	Rel-4	Correction to service request procedure	approved	A	4.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	673	3	5.4.0	Rel-5	Correction to service request procedure	approved	A	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020371	24.008	675		5.4.0	REL-5	Indication of successful establishment of Signalling PDP context to the UE	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	676	1	3.12.0	R99	Routing Area Update at network change	approved	F	3.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	677	1	4.7.0	Rel-4	Routing Area Update at network change	approved	A	4.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020368	24.008	678	1	5.4.0	Rel-5	Routing Area Update at network change	approved	A	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020371	24.008	679	1	5.4.0	Rel-5	Coding of Authorization Token in Traffic Flow Template	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020382	24.008	687		5.4.0	Rel-5	Precedence of different RAU	approved	F	5.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020370	24.008	693	1	3.12.0	R99	Support of GTT (CTM)	approved	A	3.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020370	24.008	694	1	4.7.0	Rel-4	Support of GTT (CTM)	approved	A	4.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020374	24.228	063	1	5.1.0	Rel-5	Coreection of the dns procedure	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020374	24.228	064	1	5.1.0	Rel-5	Add P-header examples to call flow MO#1a	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020374	24.228	066	1	5.1.0	Rel-5	Add P-header examples to call flow MT#1a	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020336	24.228	067	1	5.1.0	Rel-5	Remaining REGISTER and SUBSCRIBE flow updates	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1

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NP-020374	24.228	068		5.1.0	Rel-5	Addition of P-Visited-Network-ID to 24.228	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020374	24.228	069	1	5.1.0	Rel-5	Corrections to 24.228 flows	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020374	24.228	070		5.1.0	Rel-5	CallID of REGISTER requests	approved	F	5.2.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020375	24.229	140	1	5.1.0	Rel-5	Support of non-IMS forking.	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020481	24.229	140	2	5.1.0	Rel-5	Support of non-IMS forking	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020375	24.229	141	1	5.1.0	Rel-5	Adding MESSAGE to 24.229	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020489	24.229	141	2	5.1.0	Rel-5	Adding MESSAGE to 24.229	Approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020375	24.229	142		5.1.0	Rel-5	Public user identity to use for third party register	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020375	24.229	143	1	5.1.0	Rel-5	Replace P-Original-Dialog-ID header with unique data in Route header	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020375	24.229	145		5.1.0	Rel-5	Synchronize text with latest I-D for P-headers for charging	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020375	24.229	146	1	5.1.0	Rel-5	Service profiles and implicitly registered public user identities	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020488	24.229	146	2	5.1.0	Rel-5	Service profiles and implicitly registered public user identities	Approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	147		5.1.0	Rel-5	S-CSCF decides when to include IOI	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	148		5.1.0	Rel-5	Clean up XML in clause 7.6	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	149		5.1.0	Rel-5	Fix clause 5.2.7.4 header	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	150		5.1.0	Rel-5	Removal of forward reference to non P-CSCF procedures	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	151		5.1.0	Rel-5	Deregistration of public user identities	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020376	24.229	152		5.1.0	Rel-5	Reauthentication trigger via other means	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020379	24.229	153	1	5.1.0	Rel-5	Registration with intergrity protection	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020335	24.229	153	2	5.1.0	Rel-5	Registration with intergrity protection	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020487	24.229	153	3	5.1.0	Rel-5	Registration with intergrity protection	Approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	154	1	5.1.0	Rel-5	Explicit listing of need to route response messages	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020485	24.229	154	2	5.1.0	Rel-5	Explicit listing of need to route response messages	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	157	1	5.1.0	Rel-5	Include IP address in ICID	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-020377	24.229	158		5.1.0	Rel-5	Reference updates	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	159		5.1.0	Rel-5	Abbreviation updates	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	163	1	5.1.0	Rel-5	Clarifications of allocation of IP address	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	169	1	5.1.0	Rel-5	Redirection of SUBSCRIBE dialogs after users registration	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	171	1	5.1.0	Rel-5	Verifications at the P-CSCF for subsequent request	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	174	1	5.1.0	Rel-5	Clarification of IMS signalling flag	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020377	24.229	176	1	5.1.0	Rel-5	Definition of a general-purpose PDP context for IMS	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020372	24.229	177	2	5.1.0	Rel-5	Request for DNS IPv6 server address	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	178		5.1.0	Rel-5	Error cases for PDP context modification	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	183	1	5.1.0	Rel-5	Incorporation of draft-ietf-sip-sec-agree-04.txt	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	185	1	5.1.0	Rel-5	User Initiated De-registration	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	186	1	5.1.0	Rel-5	Mobile initiated de-registration	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	187	1	5.1.0	Rel-5	CallID of REGISTER requests	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	188	1	5.1.0	Rel-5	Correction to the I-CSCF routing procedures	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	189	1	5.1.0	Rel-5	Registration procedures at P-CSCF	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	192	1	5.1.0	Rel-5	Corrections related to the P-Access-Network-Info header	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020378	24.229	194	1	5.1.0	Rel-5	Chapter to decribe the registration event	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020484	24.229	196	-	5.1.0	Rel-5	Definition of IMS	approved	F	5.2.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020383	43.068	007		5.0.1	Rel-5	ASCI VGCS call termination by dispatchers using DTMF	approved	F	5.1.0	Voice Group Call Service (VGCS); Stage 2	N1
NP-020383	43.069	006		5.0.1	Rel-5	ASCI VBS call termination by dispatchers using DTMF	approved	F	5.1.0	Voice Broadcast service (VBS); Stage 2	N1
NP-020341	23.078	411	1	4.5.1	Rel-4	CAMEL3 inter-working with Rel-4 GPRS barring	approved	F	4.6.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	412	1	5.0.0	Rel-5	CPH clarification on overall SDL architecture	approved	B	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	414		5.0.0	Rel-5	Move Leg not allowed before Active phase of "normal" A-B call	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020343	23.078	415	1	5.0.0	Rel-5	Disconnect of penultimate leg in CSID1	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020347	23.078	416	3	5.0.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020345	23.078	417		5.0.0	Rel-5	Removal of ChargingNotification feature	approved	C	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020346	23.078	418	2	5.0.0	Rel-5	Playing of Warning Tones	rejected	B		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	419	1	5.0.0	Rel-5	No use of Call Segment ID for the direct gsmSCF - gsmSRF case	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020345	23.078	420	1	5.0.0	Rel-5	Clean-up of LocationInformation table for Call_Accepted DP	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020342	23.078	421		5.0.0	Rel-5	Correction of clause 4.3.3 N-CSI	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020342	23.078	422		5.0.0	Rel-5	Inconsistency for the negotiated Camel Capability handling of the D-CSI	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	423		5.0.0	Rel-5	Change "Initial Call Segment" to "CSID1"	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	424		5.0.0	Rel-5	Removal of DP_MidCall state from CAMEL_EXPORT_LEG_MSC	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	425		5.0.0	Rel-5	FtN in Perform Call Handling ack	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020344	23.078	426	1	5.0.0	Rel-5	CSA_gsmSSF: Handling signals in states such as DL_ack	reissued	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020476	23.078	426	1	5.0.0	Rel-5	CSA_gsmSSF: Handling signals in states such as DL_ack	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020344	23.078	428		5.0.0	Rel-5	Removal of "Note that" in descriptions of CPH operations	reissued	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020476	23.078	429		5.0.0	Rel-5	Wrong State Name in CSA_gsmSSF	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020344	23.078	429		5.0.0	Rel-5	Wrong State Name in CSA_gsmSSF	reissued	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020344	23.078	430		5.0.0	Rel-5	Change Int_Continue_Without_Leg2 to Int_Disconnect_Leg (Leg2)	reissued	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020476	23.078	430		5.0.0	Rel-5	Change Int_Continue_Without_Leg2 to Int_Disconnect_Leg (Leg2)	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020476	23.078	431		5.0.0	Rel-5	Contents of CWA at MidCall DP	approved	C	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020344	23.078	431		5.0.0	Rel-5	Contents of CWA at MidCall DP	reissued	C		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020343	23.078	432	1	5.0.0	Rel-5	Introduction of CPH Definitions	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	433	1	3.13.0	R99	Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure	approved	F	3.14.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	434	1	4.5.1	Rel-4	Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure	approved	A	4.6.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	435	1	5.0.0	Rel-5	Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure Correction in CAMEL_MO_Dialled_Services procedure	approved	A	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	441	1	3.13.0	R99	Inconsistent description on ACR: time information	approved	F	3.14.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	442	1	4.5.1	Rel-4	Inconsistent description on ACR: time information	approved	A	4.6.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	23.078	443	1	5.0.0	Rel-5	Inconsistent description on ACR: time information	approved	A	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020342	23.078	446	1	5.0.0	Rel-5	Secondary PDP context for DP change of position context	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020342	23.078	447	2	5.0.0	Rel-5	Detail description for applicability of call cases	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020341	23.078	450		5.0.0	Rel-5	CAMEL3 inter-working with Rel-4 GPRS barring	approved	A	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020340	29.078	254	1	3.12.0	R99	Removal of ReleaseCall from Assisting gsmSSF	approved	F	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2

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NP-020340	29.078	255	1	4.5.0	Rel-4	Removal of ReleaseCall from Assisting gsmSSF	approved	A	4.6.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020340	29.078	256	1	5.0.0	Rel-5	Removal of ReleaseCall from Assisting gsmSSF	approved	A	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020342	29.078	257	1	5.0.0	Rel-5	TC-U-Abort before the TC dialogue is established	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020347	29.078	258	2	5.0.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020345	29.078	259		5.0.0	Rel-5	Removal of ChargingNotification feature	approved	C	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020346	29.078	260	1	5.0.0	Rel-5	Playing of Warning Tones ASN.1 syntax basic corrections	rejected	B		Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020342	29.078	261		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	N2
NP-020340	29.078	262	1	3.12.0	R99	Correction of 29.078 CANCEL-gprs	approved	F	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020340	29.078	263	1	4.5.0	Rel-4	Correction of 29.078 CANCEL-gprs	approved	A	4.6.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020342	29.078	264		5.0.0	Rel-5	Editorial correction of 29.078 CANCEL-gprs	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020343	29.078	265		5.0.0	Rel-5	Change "Initial Call Segment" to "CSID1"	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020343	29.078	266		5.0.0	Rel-5	Introduction of CPH Definitions	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2

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NP-020476	29.078	267	1	5.0.0	Rel-5	Move Leg and Split Leg Error - Task Refused	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020344	29.078	267	1	5.0.0	Rel-5	Move Leg and Split Leg Error - Task Refused	reissued	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020342	29.078	270	1	5.0.0	Rel-5	ERB when VT call is reported in DP T_Busy due to Call Deflection	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020476	29.078	273		5.0.0	Rel-5	Removal of "Note that" in descriptions of CPH operations	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020404	23.910	033	-	3.5.0	R99	Handling of M2 Bit for Handover	approved	F	3.6.0	Circuit switched data bearer services	N3
NP-020404	23.910	034	-	4.4.0	Rel-4	Handling of M2 Bit for Handover	approved	A	4.5.0	Circuit switched data bearer services	N3
NP-020404	23.910	035	-	5.0.0	Rel-5	Handling of M2 Bit for Handover	approved	A	5.1.0	Circuit switched data bearer services	N3
NP-020404	23.910	036	-	3.5.0	R99	Removal of SDU error ratio for NT services	approved	F	3.6.0	Circuit switched data bearer services	N3
NP-020404	23.910	037	-	4.4.0	Rel-4	Removal of SDU error ratio for NT services	approved	A	4.5.0	Circuit switched data bearer services	N3
NP-020404	23.910	038	-	5.0.0	Rel-5	Removal of SDU error ratio for NT services	approved	A	5.1.0	Circuit switched data bearer services	N3
NP-020406	23.910	040	-	4.4.0	Rel-4	Handling of CSD calls and Inter-MSC Relocation	approved	F	4.5.0	Circuit switched data bearer services	N3
NP-020406	23.910	041	-	5.0.0	Rel-5	Handling of CSD calls and Inter-MSC Relocation	approved	A	5.1.0	Circuit switched data bearer services	N3
NP-020404	27.001	078	-	3.10.0	R99	Removal of SDU error ratio for NT services	approved	F	3.11.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020404	27.001	079	-	4.7.0	Rel-4	Removal of SDU error ratio for NT services	approved	A	4.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020404	27.001	080	-	5.2.0	Rel-5	Removal of SDU error ratio for NT services	approved	A	5.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020410	27.060	020	1	5.1.0	Rel-5	Support for forking in the UE	approved	F	5.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020409	27.060	021	-	5.1.0	Rel-5	Align TS 27.060 with TS 23.207 changes according to contribution S2-022001	approved	F	5.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020408	27.060	023	2	5.1.0	Rel-5	Configuration of Domain Name System (DNS) server IPv6 addresses	approved	F	5.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020409	27.060	024	2	5.1.0	Rel-5	IMS related functions for the UE	approved	F	5.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020403	27.060	025	-	3.6.0	R99	QoS in case of Streaming and Conversational	approved	F	3.7.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020403	27.060	026	-	4.1.0	Rel-4	QoS in case of Streaming and Conversational	approved	A	4.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020403	27.060	027	-	5.1.0	Rel-5	QoS in case of Streaming and Conversational	approved	A	5.2.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3

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NP-020407	29.007	053	3	5.2.0	Rel-5	Determining the basic service for MT calls	approved	F	5.3.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020406	29.007	054	1	4.4.0	Rel-4	Handling of CSD calls and Inter-MSC Relocation	approved	F	4.5.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020406	29.007	055	1	5.2.0	Rel-5	Handling of CSD calls and Inter-MSC Relocation	approved	A	5.3.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020417	29.061	057	8	5.2.1	Rel-5	Actions within the GGSN for IMS parameters sent in PDP context activation	approved	F	5.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020408	29.061	061	2	5.2.1	Rel-5	Configuration of Domain Name System (DNS) server IPv6 addresses	approved	F	5.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020411	29.207	005	1	5.0.0	Rel-5	Clean-up of the PIB	approved	F	5.1.0	Policy control over Go interface	N3
NP-020409	29.207	006	1	5.0.0	Rel-5	Authorized QoS vs. Guaranteed and maximum bit rates	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	007	2	5.0.0	Rel-5	Editorial improvements in the specification	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	010	1	5.0.0	Rel-5	SBLP Gate Decision	approved	F	5.1.0	Policy control over Go interface	N3
NP-020413	29.207	011	1	5.0.0	Rel-5	Remove incomplete DS function	approved	F	5.1.0	Policy control over Go interface	N3
NP-020409	29.207	012	1	5.0.0	Rel-5	Align TS 29.207 with TS 23.207 changes according to contribution S2-022001	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	014	1	5.0.0	Rel-5	User Plane Operation	approved	F	5.1.0	Policy control over Go interface	N3
NP-020410	29.207	016	4	5.0.0	Rel-5	Support for forking in 29.207	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	017	2	5.0.0	Rel-5	Message Descriptions	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	018	1	5.0.0	Rel-5	Derivation of flow identifiers from SDP	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	019	-	5.0.0	Rel-5	Revoke Authorization Procedure	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	020	1	5.0.0	Rel-5	Go related error codes to UE	approved	F	5.1.0	Policy control over Go interface	N3
NP-020409	29.207	021	-	5.0.0	Rel-5	Removal of Annex A	approved	F	5.1.0	Policy control over Go interface	N3
NP-020414	29.207	022	2	5.0.0	Rel-5	Source Address filtering over the Go interface	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	025	1	5.0.0	Rel-5	Initialisation and maintenance / Security considerations	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	030	-	5.0.0	Rel-5	Remove incomplete RSVP function	approved	F	5.1.0	Policy control over Go interface	N3
NP-020411	29.207	032	-	5.0.0	Rel-5	R-Type and M-Type for Authorization_Failure event	approved	F	5.1.0	Policy control over Go interface	N3
NP-020410	29.207	033	2	5.0.0	Rel-5	Session modification initiated decision	approved	F	5.1.0	Policy control over Go interface	N3
NP-020412	29.208	001	2	5.0.0	Rel-5	Service Class Mapping in the PCF	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020412	29.208	002	3	5.0.0	Rel-5	Data Rate Mapping in the PCF	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020412	29.208	003	-	5.0.0	Rel-5	Correction of Reference [6]	approved	D	5.1.0	End to end Quality of Service (QoS) signalling flows	N3

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NP-020412	29.208	004	2	5.0.0	Rel-5	QoS Parameter Mapping between IMS and GPRS	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020409	29.208	006	1	5.0.0	Rel-5	Authorized QoS vs. Guaranteed and maximum bit rates	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020410	29.208	007	1	5.0.0	Rel-5	Support for forking in 29.208	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020412	29.208	008	1	5.0.0	Rel-5	Removal of incomplete function	approved	F	5.1.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020405	43.010	006	1	5.0.0	Rel-5	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	A	5.1.0	GSM Public Land Mobile Network (PLMN) connection types	N3
NP-020405	43.010	008	-	4.1.0	Rel-4	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	F	4.2.0	GSM Public Land Mobile Network (PLMN) connection types	N3
NP-020405	44.021	002	3	5.0.0	Rel-5	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	A	5.1.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-020405	44.021	003	-	5.0.0	Rel-5	Correction of protocol stacks in annex A	approved	A	5.1.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-020405	44.021	005	-	4.0.0	Rel-4	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	F	4.1.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-020405	44.021	006	-	4.0.0	Rel-4	Correction of protocol stacks in annex A	approved	F	4.1.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-020405	48.020	002	-	5.0.0	Rel-5	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	A	5.1.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-020405	48.020	004	-	4.0.0	Rel-4	Correction of Rate Adaptation Functions and removal of S Reference Point in MS	approved	F	4.1.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-020448	03.16	A045		7.5.0	R98	Introduction of Call Deflection	approved	F	7.6.0	Subscriber Data Management	N4
NP-020474	23.003	047	2	3.10.0	R99	Clarification on the definition of DNS	Approved	F	3.11.0	Numbering, Addressing and Identification	N4
NP-020443	23.003	047	2	3.10.0	R99	Clarification on the definition of DNS	revised	F		Numbering, Addressing and Identification	N4
NP-020474	23.003	048	2	4.4.0	Rel-4	Clarification on the definition of DNS	Approved	A	4.5.0	Numbering, Addressing and Identification	N4
NP-020443	23.003	048	2	4.4.0	Rel-4	Clarification on the definition of DNS	revised	A		Numbering, Addressing and Identification	N4
NP-020443	23.003	049	3	5.3.0	Rel-5	Clarification on the definition of DNS	revised	A		Numbering, Addressing and Identification	N4
NP-020474	23.003	049	3	5.3.0	Rel-5	Clarification on the definition of DNS	Approved	F	5.4.0	Numbering, Addressing and Identification	N4
NP-020455	23.003	050	1	5.3.0	Rel-5	Support for Shared Network in connected mode: definition of SNA	approved	B	5.4.0	Numbering, Addressing and Identification	N4
NP-020454	23.003	053		5.3.0	Rel-5	Restructuring the IMEI to combine the TAC and FAC in Annex B	revised	F		Numbering, Addressing and Identification	N4
NP-020419	23.003	053	1	5.3.0	Rel-5	Restructuring the IMEI to combine the TAC and FAC in Annex B	approved	F	5.4.0	Numbering, Addressing and Identification	N4
NP-020451	23.003	054		5.3.0	Rel-5	SCCP sub-system Number forIM-SSF	approved	F	5.4.0	Numbering, Addressing and Identification	N4
NP-020451	23.008	054	1	5.1.0	Rel-5	the Organisation of CAMEL IMS Data for	approved	B	5.2.0	Organisation of subscriber data	N4
NP-020449	23.008	055	1	5.1.0	Rel-5	Definition of the Subscribed media parameter	rejected	B		Organisation of subscriber data	N4
NP-020453	23.008	056	1	5.1.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.2.0	Organisation of subscriber data	N4
NP-020452	23.008	057		5.1.0	Rel-5	Wrong Camel capability handling for the O-CSI, T-CSI, VT-CSI and D-CSI	approved	F	5.2.0	Organisation of subscriber data	N4
NP-020448	23.016	027		3.8.0	R99	Introduction of Call Deflection	approved	A	3.9.0	Subscriber data management; Stage 2	N4
NP-020448	23.016	028		4.2.0	Rel-4	Introduction of Call Deflection	approved	A	4.3.0	Subscriber data management; Stage 2	N4

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NP-020448	23.016	029		5.1.0	Rel-5	Introduction of Call Deflection	approved	A	5.2.0	Subscriber data management; Stage 2	N4
NP-020454	23.018	109	1	5.3.0	Rel-5	Determining the basic service for MT calls	approved	F	5.4.0	Basic Call Handling; Technical realization	N4
NP-020454	23.018	110		5.3.0	Rel-5	Minor corrections to Process ICH_MSC	approved	F	5.4.0	Basic Call Handling; Technical realization	N4
NP-020452	23.018	111		5.3.0	Rel-5	Setting of Leg1_Status Variable	approved	F	5.4.0	Basic Call Handling; Technical realization	N4
NP-020446	23.081	004		3.1.0	R99	Correction of 'Cause of no CLI' handling in SDLs	approved	F	3.2.0	Line Identification supplementary services; Stage 2	N4
NP-020446	23.081	005		4.0.0	Rel-4	Correction of 'Cause of no CLI' handling in SDLs	approved	A	4.1.0	Line Identification supplementary services; Stage 2	N4
NP-020446	23.081	006		5.0.0	Rel-5	Correction of 'Cause of no CLI' handling in SDLs	approved	A	5.1.0	Line Identification supplementary services; Stage 2	N4
NP-020454	23.083	010		5.0.0	Rel-5	Determining the basic service for MT calls	approved	F	5.1.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	N4
NP-020445	23.091	004		4.0.0	Rel-4	Correction to check of ECT treatment indicator in SII2 parameter	approved	F	4.1.0	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	N4
NP-020445	23.091	005		5.0.0	Rel-5	Correction to check of ECT treatment indicator in SII2 parameter	approved	A	5.1.0	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	N4
NP-020458	23.153	031	4	5.1.0	Rel-5	Introduction of GERAN Iu-mode	approved	F	5.2.0	Out of Band Transcoder Control; Stage 2	N4
NP-020444	23.153	040		4.4.0	Rel-4	Initial Bitrate For TrFO	approved	F	4.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-020444	23.153	041		5.1.0	Rel-5	Initial Bitrate For TrFO	approved	A	5.2.0	Out of Band Transcoder Control; Stage 2	N4
NP-020444	23.153	042	1	4.4.0	Rel-4	Handling of UMTS_AMR & UMTS_AMR_2 codecs in OoBTC	approved	F	4.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-020444	23.153	043	1	5.1.0	Rel-5	Handling of UMTS_AMR & UMTS_AMR_2 codecs in OoBTC	approved	A	5.2.0	Out of Band Transcoder Control; Stage 2	N4
NP-020458	23.205	026	4	5.2.0	Rel-5	Introduction of GERAN Iu-mode	approved	B	5.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020459	23.205	029	1	5.2.0	Rel-5	Misalignment between TS 23205 and TS 29232 for Global Text Telephony	approved	F	5.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020459	23.205	030	1	5.2.0	Rel-5	Misalignment between TS 29.232 and TS 23.205 for Global Text Telephony	approved	F	5.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020463	23.205	032	1	4.5.0	Rel-4	Correction on wrong message types for HO	approved	F	4.6.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020463	23.205	033	1	5.2.0	Rel-5	Correction on wrong message types for HO	approved	A	5.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020454	24.080	019	3	5.1.0	Rel-5	Ugrade of the ASN.1 version used in 24.080 (Rel-5)	approved	F	5.2.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020454	24.080	024		5.1.0	Rel-5	Correction of references to FACILITY information element	approved	B	5.2.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020454	29.002	437	3	5.2.0	Rel-5	Ugrade of the ASN.1 version used in 29.002 (Rel-5)	approved	F	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020458	29.002	462	1	5.2.0	Rel-5	Introction of GERAN classmark	revised	F		Mobile Application Part (MAP) specification	N4
NP-020399	29.002	462	2	5.2.0	Rel-5	Introction of GERAN classmark	approved	F	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020454	29.002	465		5.2.0	Rel-5	Clarification on Call Deflection	approved	F	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020456	29.002	466	1	5.2.0	Rel-5	Support for Shared Network in connected mode: definition of SNA	rejected	B		Mobile Application Part (MAP) specification	N4

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NP-020454	29.002	470	1	5.2.0	Rel-5	Correction to the usage of Unknown Subscriber (Gprs Subscription Unknown) error	approved	F	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020446	29.002	471	1	5.2.0	Rel-5	Clarifications on Send Identification	approved	A	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020454	29.002	473	2	5.2.0	Rel-5	Available codecs list and selected codec indication	rejected	F		Mobile Application Part (MAP) specification	N4
NP-020446	29.002	477		3.13.0	R99	Clarifications on Send Identification	approved	F	3.14.0	Mobile Application Part (MAP) specification	N4
NP-020446	29.002	478		4.8.0	Rel-4	Clarifications on Send Identification	approved	A	4.9.0	Mobile Application Part (MAP) specification	N4
NP-020453	29.002	479	2	5.2.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020452	29.002	480		5.2.0	Rel-5	Removal of ChargingNotification feature	approved	C	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020451	29.002	481		5.2.0	Rel-5	Extension to ATM for Camel control of IMS	approved	B	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020451	29.002	482		5.2.0	Rel-5	Support of MAP Si interface	approved	B	5.3.0	Mobile Application Part (MAP) specification	N4
NP-020447	29.010	057	1	3.8.0	R99	Addition of an error mapping table for MAP Update Location operation	revised	F		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-020396	29.010	057	2	3.8.0	R99	Addition of an error mapping table for MAP Update Location operation	approved	F	3.9.0	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-020396	29.010	057	2	3.8.0	R99	Addition of an error mapping table for MAP Update Location operation	approved	F	3.9.0	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-020456	29.010	058	1	5.0.0	Rel-5	Support for Shared Network in connected mode: definition of SNA	rejected	B		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-020458	29.010	060		5.0.0	Rel-5	Introduction of GERAN Iu-mode	approved	F	5.1.0	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-020460	29.010	067		5.0.0	Rel-5	Further clarification of parameter mapping in Location Acquisition procedure	approved	A	5.1.0	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-020447	29.010	068	1	4.3.0	Rel-4	Addition of an error mapping table for MAP Update Location operation	revised	A		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-020397	29.010	068	2	4.3.0	Rel-4	Addition of an error mapping table for MAP Update Location operation	approved	A	4.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020397	29.010	068	2	4.3.0	Rel-4	Addition of an error mapping table for MAP Update Location operation	approved	A	4.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020447	29.010	069	1	5.0.0	Rel-5	Addition of an error mapping table for MAP Update Location operation	revised	A		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-020398	29.010	069	2	5.0.0	Rel-5	Addition of an error mapping table for MAP Update Location operation	approved	A	5.1.0	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-020399	29.010	069	2	5.0.0	Rel-5	Addition of an error mapping table for MAP Update Location operation	approved	A	5.1.0	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-020457	29.010	075		5.0.0	Rel-5	BSSAP CRSupport for Shared Network in connected mode: definition of SNA	approved		5.1.0	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-020461	29.060	322	1	5.2.0	Rel-6	Clarification re. Response messages	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020475	29.060	322	2	5.2.0	Rel-6	Clarification re. Response messages	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020493	29.060	322	2	5.2.0	Rel-5	Clarification re. Response messages	approved	F	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020461	29.060	323	1	5.2.0	Rel-6	Clarificatin re. Version Not Supported	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020493	29.060	323	2	5.2.0	Rel-5	Clarificatin re. Version Not Supported	approved	F	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020475	29.060	323	2	5.2.0	Rel-6	Clarificatin re. Version Not Supported	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020461	29.060	324	1	5.2.0	Rel-6	Incorrect reference	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	324	1	5.2.0	Rel-5	Incorrect reference	Approved	F	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020454	29.060	325	2	5.2.0	Rel-5	RAB Setup Information for IPv6	approved	C	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	326	1	3.13.0	R99	Clarification on the coding of RANAP cause value	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	326	1	3.13.0	R99	Clarification on the coding of RANAP cause value	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	327	1	4.4.0	Rel-4	Clarification on the coding of RANAP cause value	Approved	A	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	327	1	4.4.0	Rel-4	Clarification on the coding of RANAP cause value	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	328	1	5.2.0	Rel-5	Clarification on the coding of RANAP cause value	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	328	1	5.2.0	Rel-5	Clarification on the coding of RANAP cause value	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020454	29.060	329	1	5.2.0	Rel-5	Addition of PCO IE to Update PDP context procedures	approved	F	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-020474	29.060	330	1	3.13.0	R99	Setting PDP ID after inter-SGSN RAU using GTPv0	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	330	1	3.13.0	R99	Setting PDP ID after inter-SGSN RAU using GTPv0	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	331	1	4.4.0	Rel-4	Setting PDP ID after inter-SGSN RAU using GTPv0	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	331	1	4.4.0	Rel-4	Setting PDP ID after inter-SGSN RAU using GTPv0	Approved	A	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	332	1	5.2.0	Rel-5	Setting PDP ID after inter-SGSN RAU using GTPv0	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	332	1	5.2.0	Rel-5	Setting PDP ID after inter-SGSN RAU using GTPv0	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	334		3.13.0	R99	Removing inconsistency in definition of PDP Address length	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	334		3.13.0	R99	Removing inconsistency in definition of PDP Address length	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	335		4.4.0	Rel-4	Removing inconsistency in definition of PDP Address length	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	335		4.4.0	Rel-4	Removing inconsistency in definition of PDP Address length	Approved	A	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	336		5.2.0	Rel-5	Removing inconsistency in definition of PDP Address length	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	336		5.2.0	Rel-5	Removing inconsistency in definition of PDP Address length	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	337		3.13.0	R99	16 bit PDCP sequence numbers in RAB Context	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	337		3.13.0	R99	16 bit PDCP sequence numbers in RAB Context	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	338		4.4.0	Rel-4	16 bit PDCP sequence numbers in RAB Context	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	338		4.4.0	Rel-4	16 bit PDCP sequence numbers in RAB Context	Approved	A	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-020474	29.060	339		5.2.0	Rel-5	16 bit PDCP sequence numbers in RAB Context	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	339		5.2.0	Rel-5	16 bit PDCP sequence numbers in RAB Context	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	340	1	3.13.0	R99	Forward Relocation Response without 'RAB Setup Information' IE	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	340	1	3.13.0	R99	Forward Relocation Response without 'RAB Setup Information' IE	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	341	1	4.4.0	Rel-4	Forward Relocation Response without 'RAB Setup Information' IE	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	342	1	5.2.0	Rel-5	Forward Relocation Response without 'RAB Setup Information' IE	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	342	1	5.2.0	Rel-5	Forward Relocation Response without 'RAB Setup Information' IE	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	345		3.13.0	R99	No equivalent Cause Code in GTP to PDP context without TFT already activated	Approved	F	3.14.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	345		3.13.0	R99	No equivalent Cause Code in GTP to PDP context without TFT already activated	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	346		4.4.0	Rel-4	No equivalent Cause Code in GTP to PDP context without TFT already activated	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	346		4.4.0	Rel-4	No equivalent Cause Code in GTP to PDP context without TFT already activated	Approved	A	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	347		5.2.0	Rel-5	No equivalent Cause Code in GTP to PDP context without TFT already activated	Approved	A	5.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	347		5.2.0	Rel-5	No equivalent Cause Code in GTP to PDP context without TFT already activated	revised	A		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020474	29.060	349		4.4.0	Rel-4	Clarificatin re. Version Not Supported	Approved	F	4.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020443	29.060	349		4.4.0	Rel-4	Clarificatin re. Version Not Supported	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020445	29.202	002	1	4.1.1	Rel-4	To add reference to new IETF RFC on SCTP Checksum	approved	F	4.2.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4

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NP-020445	29.202	003	1	5.0.0	Rel-5	To add reference to new IETF RFC on SCTP Checksum	approved	A	5.1.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020449	29.228	001	2	5.0.0	Rel-5	Clarification of implicit registration	approved	F	5.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.228	002	1	5.0.0	Rel-5	Clarification of user registration status query	approved	F	5.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.228	003	1	5.0.0	Rel-5	Clarification of HSS initiated update of user profile	approved	F	5.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.228	004	2	5.0.0	Rel-5	Conditionality of the S-CSCF name in MAR command	approved	F	5.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.228	005	1	5.0.0	Rel-5	Conditionality of the SIP-Auth-Data-Item in MAA command	approved	F	5.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.228	006	2	5.0.0	Rel-5	Definition of the Subscribed media parameter	rejected	F		IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020449	29.229	001		5.0.0	Rel-5	to add a reference to the new IETF RFC on SCTP checksum	approved	F	5.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020449	29.229	003		5.0.0	Rel-5	Wrong format of Charging Function Addresses	approved	F	5.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020449	29.229	005		5.0.0	Rel-5	Mistake in the definition of the command MAA	approved	F	5.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020459	29.232	037		5.2.0	Rel-5	Misalignment between TS 23.226 and TS 29.232 for Global Text Telephony	approved	F	5.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020459	29.232	038		5.2.0	Rel-5	Alignment between prepare bearer and reserve bearer in TS 29.232 for Global Text Telephony	approved	F	5.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020459	29.232	039		5.2.0	Rel-5	Alignment of text in TS 29.232 for Global Text Telephony	approved	F	5.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020463	29.232	043	1	4.5.0	Rel-4	Missing Properties For CSD Calls	approved	F	4.6.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020463	29.232	044	1	5.2.0	Rel-5	Missing Properties For CSD Calls	approved	A	5.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020450	29.328	001	1	5.0.0	Rel-5	Correction of Section 7 Numbering and internal referencing	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020450	29.328	002	1	5.0.0	Rel-5	Cancellation of subscriptions to notifications	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020450	29.328	003	1	5.0.0	Rel-5	Definition of location information for Sh interface	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020450	29.328	004	1	5.0.0	Rel-5	Definition of user state for Sh interface	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4

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NP-020450	29.328	005		5.0.0	Rel-5	Missing references to XML schema for Sh interface	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020450	29.328	006		5.0.0	Rel-5	Extensibility of XML schema for Sh interface	approved	F	5.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020450	29.329	002	1	5.0.0	Rel-5	Cancellation of subscriptions to notifications	approved	F	5.1.0	Sh interface based on the Diameter protocol	N4
NP-020450	29.329	003	1	5.0.0	Rel-5	Addition of Requested-Domain indication to User-Data-Request	approved	F	5.1.0	Sh interface based on the Diameter protocol	N4
NP-020427	29.198-01	010	-	5.0.0	Rel-5	Addition to ObjectRef description in WSDL Mapping Rules	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	011	-	5.0.0	Rel-5	Addition of sequence tag to Choice types	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	012	-	5.0.0	Rel-5	Replace all occurrences of the xsd:anyURI type to xsd:string	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	013	-	5.0.0	Rel-5	Correction to Namespace mapping in WSDL Mapping Rules	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	014	-	5.0.0	Rel-5	Correction to xmlns:wsdl Namespace	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	015	-	5.0.0	Rel-5	Prepend class name to <message> name.	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	016	-	5.0.0	Rel-5	Correction to void return types in WSDL Mapping Rules	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	017	-	5.0.0	Rel-5	Add missing CORBA realization rules in Part 1	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	018	-	5.0.0	Rel-5	Add general introduction to the OSA APIs in Part 1	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020427	29.198-01	019	-	5.0.0	Rel-5	Add references to ITU-T/ANSI for encoding of Carrier selection	rejected	F		Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020395	29.198-01	020	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020395	29.198-02	022	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5

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NP-020423	29.198-03	045	-	4.5.0	Rel-4	Correction on use of NULL in Framework API	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	046	-	5.0.0	Rel-5	Correction to description of TpServicePropertyTypeName	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	047	-	5.0.0	Rel-5	Remove undefined exception in registerService	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	048	-	5.0.0	Rel-5	Remove ServiceIDs from IpFwFaultManager.genFaultStatsRecordReq()	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	049	-	5.0.0	Rel-5	Correct appUnavailableInd and related methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	050	-	5.0.0	Rel-5	Remove unusable exception from IpFaultManager.appActivityTestRes()	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	051	-	5.0.0	Rel-5	Clarify the sequence of events in signing the service agreement	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	052	-	5.0.0	Rel-5	Correct use of electronic signatures	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	053	-	5.0.0	Rel-5	Addition of Sequence Diagrams for terminateAccess	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	054	-	5.0.0	Rel-5	Add indication what part of service agreement must be signed	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	055	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	056	-	5.0.0	Rel-5	Introduce types and modes for generic properties	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	057	-	5.0.0	Rel-5	Correction on use of NULL in Framework API	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020428	29.198-03	058	-	5.0.0	Rel-5	Add Negotiation of Authentication Mechanism for OSA level Authentication	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020395	29.198-03	058	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020424	29.198-04	057	-	4.4.0	Rel-4	Correction on use of NULL in Call Control API	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5

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NP-020429	29.198-04-1	001	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	N5
NP-020395	29.198-04-1	002	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	N5
NP-020430	29.198-04-2	001	-	5.0.0	Rel-5	Correction on use of NULL in Call Control API	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data SCF	N5
NP-020395	29.198-04-2	002	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data SCF	N5
NP-020431	29.198-04-3	001	-	5.0.0	Rel-5	Correction of error in Call Forward on Busy sequence diagram	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020431	29.198-04-3	002	-	5.0.0	Rel-5	Correct inconsistencies in IpCallLeg state transition diagrams	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020431	29.198-04-3	003	-	5.0.0	Rel-5	Clarification of the overlapping criteria definition and eventType mapping to IN TDPs	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020431	29.198-04-3	004	-	5.0.0	Rel-5	Add support for Carrier selection	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020431	29.198-04-3	005	-	5.0.0	Rel-5	Correction on use of NULL in Call Control API	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020395	29.198-04-3	006	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	N5
NP-020395	29.198-04-4	001	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control data SCF	N5
NP-020425	29.198-05	016	-	4.4.0	Rel-4	Correction on use of NULL in User Interaction API	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5

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NP-020425	29.198-05	017	-	4.4.0	Rel-4	Correction to TpUIInfo data type to support binary data for SMS services	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020432	29.198-05	018	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020432	29.198-05	019	-	5.0.0	Rel-5	Correction on use of NULL in User Interaction API	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020432	29.198-05	020	-	5.0.0	Rel-5	Correction to TpUIInfo data type to support binary data for SMS services	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020395	29.198-05	021	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020433	29.198-06	014	-	5.0.0	Rel-5	Remove all parameter error and network error sequence diagrams	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020433	29.198-06	015	-	5.0.0	Rel-5	Removal of unnecessary exception from IpUserLocation.LocationReportReq(), IpUserLocation.extendedLocationReportReq(),IpUserLocation.periodicLocationReportingStartReq()	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020433	29.198-06	016	-	5.0.0	Rel-5	Remove unusable exceptions from IpUserLocationCamel.periodicLocationReportingStartReq( )	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020433	29.198-06	017	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020395	29.198-06	018	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020434	29.198-07	007	-	5.1.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-020395	29.198-07	008	-	5.1.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-020426	29.198-08	009	-	4.4.0	Rel-4	Introduce new method getNotifications to correct the result type of IpDataSessionControlManager.getNotification() to permit retreival of all created notifications.	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020426	29.198-08	010	-	4.4.0	Rel-4	Correction on use of NULL in Data Session Control API	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020435	29.198-08	011	-	5.0.0	Rel-5	Remove duplicate exception from IpDataSessionControlManager.createNotification()	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5

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NP-020435	29.198-08	012	-	5.0.0	Rel-5	Remove P_SERVICE_INFORMATION_MISSING and P_SERVICE_FAULT_ENCOUNTERED exceptions from_DataSessionControl methods.	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020435	29.198-08	013	-	5.0.0	Rel-5	Introduce new method getNotifications to correct the result type of IpDataSessionControlManager.getNotification() to permit retreival of all created notifications.	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020435	29.198-08	014	-	5.0.0	Rel-5	Add P_INVALID_INTERFACE_TYPE exception to IpDataSessionControlManager.createNotification(), resulting in new createNotifications() method	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020435	29.198-08	015	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020435	29.198-08	016	-	5.0.0	Rel-5	Correction on use of NULL in Data Session Control API	approved	A	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020395	29.198-08	017	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020436	29.198-11	011	-	5.0.0	Rel-5	Correction of IpAccountManager STD to permit multiple notifications	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020436	29.198-11	012	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020436	29.198-11	013	-	5.0.0	Rel-5	Add missing callback interface for notifications in Account Management	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020395	29.198-11	014	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020437	29.198-12	018	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020395	29.198-12	019	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020439	29.198-13	001	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	N5
NP-020395	29.198-13	002	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	N5
NP-020440	29.198-14	001	-	5.0.0	Rel-5	Add text to clarify requirements on support of methods	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)	N5

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NP-020440	29.198-14	002	-	5.0.0	Rel-5	Remove declaration of unused datatype TpPAMTime	approved	F	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)	N5
NP-020395	29.198-14	003	-	5.0.0	Rel-5	Add text to clarify relationship between 3GPP and ETSI/Parlay OSA specifications	approved	D	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)	N5
RP-020580	25.201	018	-	5.1.0	Rel-5	Correction on the description of TS and layer	approved	F	5.2.0	Physical layer - general description	R1
RP-020591	25.211	161	1	5.1.0	Rel-5	Phase reference for HSDPA	approved	F	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020571	25.211	162	1	3.11.0	R99	Reversal of unwanted corrections resulting from CR 25.211-122	approved	F	3.12.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020571	25.211	163	-	4.5.0	Rel-4	Reversal of unwanted corrections resulting from CR 25.211-122	approved	A	4.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020571	25.211	164	-	5.1.0	Rel-5	Reversal of unwanted corrections resulting from CR 25.211-122	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020581	25.211	168	1	5.1.0	Rel-5	Numbering corrections	approved	D	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020590	25.211	169	-	5.1.0	Rel-5	TX diversity on radio links in the active set	approved	F	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020588	25.211	170	1	5.1.0	Rel-5	HS-DPCCH timing correction	approved	F	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020587	25.211	171	-	5.1.0	Rel-5	Inclusion of closed loop transmit diversity for HSDPA	approved	F	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020581	25.211	172	-	5.1.0	Rel-5	Physical channel mapping	approved	F	5.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020582	25.212	141	1	5.1.0	Rel-5	Bit scrambling for HS-DSCH	approved	F	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020582	25.212	148	-	5.1.0	Rel-5	Physical channel mapping for HS-DPCCH	approved	D	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020582	25.212	149	-	5.1.0	Rel-5	HARQ bit collection	approved	F	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020582	25.212	150	1	5.1.0	Rel-5	Coding for HS-SCCH	approved	F	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020582	25.212	151	-	5.1.0	Rel-5	Correction to UE specific masking for HS-SCCH part1	approved	F	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020568	25.212	153	2	3.10.0	R99	Clarification of the definition of layer 1 transport channel numbers	approved	F	3.11.0	Multiplexing and channel coding (FDD)	R1
RP-020568	25.212	154	2	4.5.0	Rel-4	Clarification of the definition of layer 1 transport channel numbers	approved	A	4.6.0	Multiplexing and channel coding (FDD)	R1
RP-020568	25.212	155	2	5.1.0	Rel-5	Clarification of the definition of layer 1 transport channel numbers	approved	A	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020573	25.212	156	-	4.5.0	Rel-4	Numbering Corrections	approved	D	4.6.0	Multiplexing and channel coding (FDD)	R1

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RP-020573	25.212	157	-	5.1.0	Rel-5	Numbering Corrections	approved	A	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020582	25.212	158	-	5.1.0	Rel-5	Specification of H-RNTI to UE identity mapping	revised	F		Multiplexing and channel coding (FDD)	R1
RP-020645	25.212	158	1	5.1.0	Rel-5	Specification of H-RNTI to UE identity mapping	approved	F	5.2.0	Multiplexing and channel coding (FDD)	R1
RP-020583	25.213	058	1	5.1.0	Rel-5	Numbering corrections	approved	D	5.2.0	Spreading and modulation (FDD)	R1
RP-020583	25.213	059	-	5.1.0	Rel-5	Correction on the maximum DPDCH in Figure1	approved	F	5.2.0	Spreading and modulation (FDD)	R1
RP-020592	25.213	060	-	5.1.0	Rel-5	Power offset values for HS-DPCCH	approved	F	5.2.0	Spreading and modulation (FDD)	R1
RP-020584	25.214	263	-	5.1.0	Rel-5	Clarification of total HS-SCCH/HS-PDSCH power	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020571	25.214	270	1	3.10.0	R99	Reversal of unwanted corrections resulting from CR 25.211-122 & CR 25.214-226	approved	F	3.11.0	Physical layer procedures (FDD)	R1
RP-020571	25.214	271	-	4.4.0	Rel-4	Reversal of unwanted corrections resulting from CR 25.211-122 & CR 25.214-226	approved	A	4.5.0	Physical layer procedures (FDD)	R1
RP-020571	25.214	272	-	5.1.0	Rel-5	Reversal of unwanted corrections resulting from CR 25.211-122 & CR 25.214-226	approved	A	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	273	2	5.1.0	Rel-5	Clarification of total HS-PDSCH power in CQI reporting procedure	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	274	1	5.1.0	Rel-5	Closed loop transmit diversity mode 2 with antenna verification	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020589	25.214	277	-	3.10.0	R99	Correction of maximum power adjustment in case of compressed mode	approved	F	3.11.0	Physical layer procedures (FDD)	R1
RP-020589	25.214	278	-	4.4.0	Rel-4	Correction of maximum power adjustment in case of compressed mode	approved	A	4.5.0	Physical layer procedures (FDD)	R1
RP-020589	25.214	279	-	5.1.0	Rel-5	Correction of maximum power adjustment in case of compressed mode	approved	A	5.2.0	Physical layer procedures (FDD)	R1
RP-020574	25.214	281	1	4.4.0	Rel-4	Enhanced DSCH power control parameter name change	approved	F	4.5.0	Physical layer procedures (FDD)	R1
RP-020574	25.214	282	1	5.1.0	Rel-5	Enhanced DSCH power control parameter name change	approved	A	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	286	1	5.1.0	Rel-5	Numbering corrections	approved	D	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	287	2	5.1.0	Rel-5	Correction of CQI definition	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020587	25.214	288	-	5.1.0	Rel-5	Inclusion of closed loop transmit diversity for HSDPA	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020588	25.214	289	-	5.1.0	Rel-5	Correction of timing of CQI reporting	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020529	25.214	292	-	3.10.0	R99	Correction of reference linked to approval of CR 25.133-469r1	approved	F	3.11.0	Physical layer procedures (FDD)	R1
RP-020529	25.214	293	-	4.4.0	Rel-4	Correction of reference linked to approval of CR 25.133-470	approved	A	4.5.0	Physical layer procedures (FDD)	R1
RP-020529	25.214	294	-	5.1.0	Rel-5	Correction of reference linked to approval of CR 25.133-471	approved	A	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	296	-	5.1.0	Rel-5	The clarification of CQI feedback parameter k value	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020584	25.214	298	-	5.1.0	Rel-5	Clarification of CQI definition and reference period	approved	F	5.2.0	Physical layer procedures (FDD)	R1
RP-020530	25.215	119	4	5.0.0	Rel-5	Transmitted carrier power measurement correction	approved	A	5.1.0	Physical layer; Measurements (FDD)	R1
RP-020575	25.215	120	-	4.4.0	Rel-4	Measurements for observed time difference to GSM cell	approved	F	4.5.0	Physical layer; Measurements (FDD)	R1
RP-020575	25.215	121	-	5.0.0	Rel-5	Measurements for observed time difference to GSM cell	approved	A	5.1.0	Physical layer; Measurements (FDD)	R1
RP-020530	25.215	122	-	4.4.0	Rel-4	Transmitted carrier power measurement correction	approved	F	4.5.0	Physical layer; Measurements (FDD)	R1
RP-020558	25.215	126	-	3.10.0	R99	Correction of UE SFN-SFN type 1 measurement	approved	F	3.11.0	Physical layer; Measurements (FDD)	R1
RP-020558	25.215	127	-	4.4.0	Rel-4	Correction of UE SFN-SFN type 1 measurement	approved	A	4.5.0	Physical layer; Measurements (FDD)	R1
RP-020558	25.215	128	-	5.0.0	Rel-5	Correction of UE SFN-SFN type 1 measurement	approved	A	5.1.0	Physical layer; Measurements (FDD)	R1
RP-020575	25.215	129	-	4.4.0	Rel-4	Compressed mode limitation	approved	F	4.5.0	Physical layer; Measurements (FDD)	R1
RP-020575	25.215	130	-	5.0.0	Rel-5	Compressed mode limitation	approved	A	5.1.0	Physical layer; Measurements (FDD)	R1

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RP-020569	25.221	088	1	3.10.0	R99	Corrections to channelisation code mappings for 3.84 Mcps TDD	approved	F	3.11.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020569	25.221	089	1	4.5.0	Rel-4	Corrections to channelisation code mappings for 3.84 Mcps TDD	approved	A	4.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020569	25.221	090	1	5.1.0	Rel-5	Corrections to channelisation code mappings for 3.84 Mcps TDD	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020559	25.221	091	1	4.5.0	Rel-4	Corrections to channelisation code mapping for 1.28 Mcps TDD	approved	F	4.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020559	25.221	092	1	5.1.0	Rel-5	Corrections to channelisation code mapping for 1.28 Mcps TDD	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020576	25.221	093	-	4.5.0	Rel-4	Correction to S-CCPCH description for 1.28 Mcps TDD	approved	F	4.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020576	25.221	094	-	5.1.0	Rel-5	Correction to S-CCPCH description for 1.28 Mcps TDD	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020572	25.221	095	2	3.10.0	R99	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	F	3.11.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020572	25.221	096	2	4.5.0	Rel-4	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	4.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020572	25.221	097	2	5.1.0	Rel-5	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020579	25.221	103	1	4.5.0	Rel-4	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	F	4.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020579	25.221	104	2	5.1.0	Rel-5	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	5.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020585	25.222	089	1	5.1.0	Rel-5	Clarification of TFRI bits for 3.84Mcps HSDPA TDD	approved	F	5.2.0	Multiplexing and channel coding (TDD)	R1
RP-020585	25.222	091	1	5.1.0	Rel-5	HS-SCCH corrections for TDD	approved	F	5.2.0	Multiplexing and channel coding (TDD)	R1
RP-020585	25.222	093	-	5.1.0	Rel-5	HS-DSCH Interleaving for TDD	approved	F	5.2.0	Multiplexing and channel coding (TDD)	R1
RP-020570	25.222	095	1	3.9.0	R99	Clarification of the definition of layer 1 transport channel numbers	approved	F	3.10.0	Multiplexing and channel coding (TDD)	R1
RP-020570	25.222	096	1	4.4.0	Rel-4	Clarification of the definition of layer 1 transport channel numbers	approved	A	4.5.0	Multiplexing and channel coding (TDD)	R1
RP-020570	25.222	097	1	5.1.0	Rel-5	Clarification of the definition of layer 1 transport channel numbers	approved	A	5.2.0	Multiplexing and channel coding (TDD)	R1
RP-020586	25.224	091	1	5.1.0	Rel-5	Corrections to 25.224 for HSDPA	approved	F	5.2.0	Physical layer procedures (TDD)	R1
RP-020572	25.224	092	2	3.10.0	R99	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	F	3.11.0	Physical layer procedures (TDD)	R1

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RP-020572	25.224	093	2	4.5.0	Rel-4	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	4.6.0	Physical layer procedures (TDD)	R1
RP-020572	25.224	094	2	5.1.0	Rel-5	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	5.2.0	Physical layer procedures (TDD)	R1
RP-020577	25.224	096	1	4.5.0	Rel-4	Corrections to uplink synchronisation procedure	approved	F	4.6.0	Physical layer procedures (TDD)	R1
RP-020577	25.224	097	1	5.1.0	Rel-5	Corrections to uplink synchronisation procedure	approved	A	5.2.0	Physical layer procedures (TDD)	R1
RP-020577	25.224	098	-	4.5.0	Rel-4	Correction to the PRACH open loop power control procedure for 1.28 Mcps TDD	approved	F	4.6.0	Physical layer procedures (TDD)	R1
RP-020577	25.224	099	-	5.1.0	Rel-5	Correction to the PRACH open loop power control procedure for 1.28 Mcps TDD	approved	A	5.2.0	Physical layer procedures (TDD)	R1
RP-020579	25.224	100	1	4.5.0	Rel-4	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	F	4.6.0	Physical layer procedures (TDD)	R1
RP-020579	25.224	101	1	5.1.0	Rel-5	Corrections to transmit diversity mode for TDD beacon-function physical channels	approved	A	5.2.0	Physical layer procedures (TDD)	R1
RP-020578	25.225	052	-	4.4.0	Rel-4	Correction to SFN-SFN Type 2 measurement	approved	F	4.5.0	Physical layer; Measurements (TDD)	R1
RP-020578	25.225	053	-	5.1.0	Rel-5	Correction to SFN-SFN Type 2 measurement	approved	A	5.2.0	Physical layer; Measurements (TDD)	R1
RP-020558	25.225	059	-	3.10.0	R99	Correction of UE SFN-SFN type 1 measurement for TDD	approved	F	3.11.0	Physical layer; Measurements (TDD)	R1
RP-020558	25.225	060	-	4.4.0	Rel-4	Correction of UE SFN-SFN type 1 measurement for TDD	approved	A	4.5.0	Physical layer; Measurements (TDD)	R1
RP-020558	25.225	061	-	5.1.0	Rel-5	Correction of UE SFN-SFN type 1 measurement for TDD	approved	A	5.2.0	Physical layer; Measurements (TDD)	R1
RP-020536	25.301	067		3.10.0	R99	Clarification on RLC connection	revised	F		Radio Interface Protocol Architecture	R2
RP-020671	25.301	067	1	3.10.0	R99	Clarification on RLC connection	approved	F	3.11.0	Radio Interface Protocol Architecture	R2
RP-020536	25.301	068		4.3.0	Rel-4	Clarification on RLC connection	revised	A		Radio Interface Protocol Architecture	R2
RP-020671	25.301	068	1	4.3.0	Rel-4	Clarification on RLC connection	approved	A	4.4.0	Radio Interface Protocol Architecture	R2
RP-020536	25.301	069		5.1.0	Rel-5	Clarification on RLC connection	revised	A		Radio Interface Protocol Architecture	R2
RP-020671	25.301	069	1	5.1.0	Rel-5	Clarification on RLC connection	approved	A	5.2.0	Radio Interface Protocol Architecture	R2
RP-020537	25.302	129		3.13.0	R99	Correction of transport to physical channel mapping for TDD	revised	F		Services provided by the physical layer	R2
RP-020665	25.302	129	1	3.13.0	R99	Correction of transport to physical channel mapping for TDD	approved	F	3.14.0	Services provided by the physical layer	R2
RP-020537	25.302	130		4.5.0	Rel-4	Correction of transport to physical channel mapping for TDD	revised	A		Services provided by the physical layer	R2
RP-020665	25.302	130	-	4.5.0	Rel-4	Correction of transport to physical channel mapping for TDD	approved	A	4.6.0	Services provided by the physical layer	R2
RP-020537	25.302	131		5.1.0	Rel-5	Correction of transport to physical channel mapping for TDD	revised	A		Services provided by the physical layer	R2
RP-020665	25.302	131	-	5.1.0	Rel-5	Correction of transport to physical channel mapping for TDD	approved	A	5.2.0	Services provided by the physical layer	R2
RP-020555	25.306	047		5.1.0	Rel-5	HS-PDSCH capability definition and QPSK-only UE categories	approved	F	5.2.0	UE Radio Access capabilities definition	R2
RP-020555	25.306	048		5.1.0	Rel-5	Mandatory support for Dedicated Pilot for Channel Estimation	approved	F	5.2.0	UE Radio Access capabilities definition	R2
RP-020556	25.321	123		5.1.0	Rel-5	Optional use of a maximum transmission delay for MAC-hs SDUs	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	124		5.1.0	Rel-5	MAC-hs: Scheduler and HARQ entity functions for TSN	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	125		5.1.0	Rel-5	Corrections on C/T field definition for HS-DSCH	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2

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RP-020556	25.321	126		5.1.0	Rel-5	MAC re-ordering entity	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	127		5.1.0	Rel-5	Limiting of number of PDUs in a TTI	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	128		3.12.0	R99	MAC TVM Corrections	approved	F	3.13.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	129		4.5.0	Rel-4	MAC TVM Corrections	approved	A	4.6.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	130		5.1.0	Rel-5	MAC TVM Corrections	approved	A	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	131		3.12.0	R99	MAC header for DTCH and DCCH	approved	F	3.13.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	132		4.5.0	Rel-4	MAC header for DTCH and DCCH	approved	A	4.6.0	Medium Access Control (MAC) protocol specification	R2
RP-020538	25.321	133		5.1.0	Rel-5	MAC header for DTCH and DCCH	approved	A	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	134		5.1.0	Rel-5	Signalling of Transport Block Sizes for HS-DSCH	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	135		5.1.0	Rel-5	Transport block size signalling 3.84 Mcps TDD	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020556	25.321	136		5.1.0	Rel-5	Transport block size signalling 1.28 Mcps TDD	approved	F	5.2.0	Medium Access Control (MAC) protocol specification	R2
RP-020539	25.322	196		3.11.0	R99	Correction to the behaviour after expiration of Timer_MRW during the SDU discard with explicit signalling procedure	approved	F	3.12.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	197		4.5.0	Rel-4	Correction to the behaviour after expiration of Timer_MRW during the SDU discard with explicit signalling procedure	approved	A	4.6.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	198		5.1.0	Rel-5	Correction to the behaviour after expiration of Timer_MRW during the SDU discard with explicit signalling procedure	approved	A	5.2.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	199		3.11.0	R99	Corrections of RLC re-transmissions	approved	F	3.12.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	200		4.5.0	Rel-4	Corrections of RLC re-transmissions	approved	A	4.6.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	201		5.1.0	Rel-5	Corrections of RLC re-transmissions	approved	A	5.2.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	202		3.11.0	R99	Corrections to RLC RESET procedure	revised	F		Radio Link Control (RLC) protocol specification	R2
RP-020637	25.322	202	1	3.11.0	R99	Corrections to RLC RESET procedure	approved	F	3.12.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	203		4.5.0	Rel-4	Corrections to RLC RESET procedure	revised	A		Radio Link Control (RLC) protocol specification	R2
RP-020637	25.322	203	1	4.5.0	Rel-4	Corrections to RLC RESET procedure	approved	A	4.6.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	204		5.1.0	Rel-5	Corrections to RLC RESET procedure	revised	A		Radio Link Control (RLC) protocol specification	R2
RP-020637	25.322	204	1	5.1.0	Rel-5	Corrections to RLC RESET procedure	approved	A	5.2.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	205		3.11.0	R99	Corrections on handling of timers during a RLC reset or re-establishment	approved	F	3.12.0	Radio Link Control (RLC) protocol specification	R2

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RP-020539	25.322	206		4.5.0	Rel-4	Corrections on handling of timers during a RLC reset or re-establishment	approved	A	4.6.0	Radio Link Control (RLC) protocol specification	R2
RP-020539	25.322	207		5.1.0	Rel-5	Corrections on handling of timers during a RLC reset or re-establishment	approved	A	5.2.0	Radio Link Control (RLC) protocol specification	R2
RP-020551	25.322	208		4.5.0	Rel-4	Corrections on indication of SDU transmission result	approved	F	4.6.0	Radio Link Control (RLC) protocol specification	R2
RP-020551	25.322	209		5.1.0	Rel-5	Corrections on indication of SDU transmission result	approved	A	5.2.0	Radio Link Control (RLC) protocol specification	R2
RP-020540	25.323	051		3.9.0	R99	Mapping relation between PDCP and RLC	approved	F	3.10.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020540	25.323	052		4.5.0	Rel-4	Mapping relation between PDCP and RLC	approved	A	4.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020540	25.323	053		5.1.0	Rel-5	Mapping relation between PDCP and RLC	approved	A	5.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020552	25.323	054		4.5.0	Rel-4	Corrections to RFC3095 operation	approved	F	4.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020552	25.323	055		5.1.0	Rel-5	Corrections to RFC3095 operation	approved	A	5.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020552	25.323	056		4.5.0	Rel-4	Mismatches between Rel4 and R99 in PDCP	approved	F	4.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020552	25.323	057		5.1.0	Rel-5	Mismatches between Rel4 and R99 in PDCP	approved	A	5.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020541	25.331	1502	1	3.11.0	R99	UE behaviour when active set cells are not included in CELL_INFO_LIST	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1503	1	4.5.0	Rel-4	UE behaviour when active set cells are not included in CELL_INFO_LIST	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1504	1	5.1.0	Rel-5	UE behaviour when active set cells are not included in CELL_INFO_LIST	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1505	1	3.11.0	R99	Corrections to handling of IE "Cells for measurement"	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1506	1	4.5.0	Rel-4	Corrections to handling of IE "Cells for measurement"	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1507	1	5.1.0	Rel-5	Corrections to handling of IE "Cells for measurement"	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1508		3.11.0	R99	Clarification on the use of UE radio access capability extensions	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1509		4.5.0	Rel-4	Clarification on the use of UE radio access capability extensions	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1510		5.1.0	Rel-5	Clarification on the use of UE radio access capability extensions	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1511		3.11.0	R99	Correction to RRC connection procedure	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1512		4.5.0	Rel-4	Correction to RRC connection procedure	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1513		5.1.0	Rel-5	Correction to RRC connection procedure	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1514		3.11.0	R99	Correction to the variable TGPS_IDENTITY	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020541	25.331	1515		4.5.0	Rel-4	Correction to the variable TGPS_IDENTITY	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1516		5.1.0	Rel-5	Correction to the variable TGPS_IDENTITY	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020564	25.331	1517		3.11.0	R99	Unit at L3 filtering (proposal 1)	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-020595	25.331	1517	1	3.11.0	R99	Unit at L3 filtering (proposal 2)	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-020564	25.331	1518		4.5.0	Rel-4	Unit at L3 filtering (proposal 1)	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-020595	25.331	1518	1	4.5.0	Rel-4	Unit at L3 filtering (proposal 2)	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-020564	25.331	1519		5.1.0	Rel-5	Unit at L3 filtering (proposal 1)	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-020595	25.331	1519	1	5.1.0	Rel-5	Unit at L3 filtering (proposal 2)	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1520		3.11.0	R99	Missing IEs in RLC info	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1521		4.5.0	Rel-4	Missing IEs in RLC info	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020541	25.331	1522		5.1.0	Rel-5	Missing IEs in RLC info	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1526	1	3.11.0	R99	Corrections of UE internal measurement reporting events	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1527	1	4.5.0	Rel-4	Corrections of UE internal measurement reporting events	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1528	1	5.1.0	Rel-5	Corrections of UE internal measurement reporting events	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1529	2	3.11.0	R99	UE behaviour upon reception of reconfiguration	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1530	2	4.5.0	Rel-4	UE behaviour upon reception of reconfiguration	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1531	2	5.1.0	Rel-5	UE behaviour upon reception of reconfiguration	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1532		3.11.0	R99	Application of integrity keys in case of a pending CN	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1533		4.5.0	Rel-4	Application of integrity keys in case of a pending CN	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1534		5.1.0	Rel-5	Application of integrity keys in case of a pending CN	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1535	1	3.11.0	R99	Clarifications for Quality Measurements	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1536	1	4.5.0	Rel-4	Clarifications for Quality Measurements	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1537	1	5.1.0	Rel-5	Clarifications for Quality Measurements	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1538		3.11.0	R99	Correction of DPCH constant value in TDD default radio configuration	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020542	25.331	1539		4.5.0	Rel-4	Correction of DPCH constant value in TDD default radio configuration	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1540		5.1.0	Rel-5	Correction of DPCH constant value in TDD default radio configuration	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1541		3.11.0	R99	UE internal measurement information in broadcast	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1542		4.5.0	Rel-4	UE internal measurement information in broadcast	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020542	25.331	1543		5.1.0	Rel-5	UE internal measurement information in broadcast	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1544		3.11.0	R99	Observed time difference to GSM reporting indicator	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1545		4.5.0	Rel-4	Observed time difference to GSM reporting indicator	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1546		5.1.0	Rel-5	Observed time difference to GSM reporting indicator	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020557	25.331	1547		5.1.0	Rel-5	Correction on Radio link timing	approved	F	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1549		3.11.0	R99	Correction on Security during SRNS relocation	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1550		4.5.0	Rel-4	Correction on Security during SRNS relocation	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1551		5.1.0	Rel-5	Correction on Security during SRNS relocation	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1552		3.11.0	R99	Coding of IE NC mode	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1553		4.5.0	Rel-4	Coding of IE NC mode	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1554		5.1.0	Rel-5	Coding of IE NC mode	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1555		3.11.0	R99	Clarification to filtered measurement quantities	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1556		4.5.0	Rel-4	Clarification to filtered measurement quantities	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1557		5.1.0	Rel-5	Clarification to filtered measurement quantities	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1558		3.11.0	R99	Inconsistency in triggering and reporting for events 1a, 1b, 1c, 1e and 1f	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1559		4.5.0	Rel-4	Inconsistency in triggering and reporting for events 1a, 1b, 1c, 1e and 1f	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1560		5.1.0	Rel-5	Inconsistency in triggering and reporting for events 1a, 1b, 1c, 1e and 1f	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1561	1	3.11.0	R99	Optional and Mandatory fields in Measurement Control	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1562	1	4.5.0	Rel-4	Optional and Mandatory fields in Measurement Control	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020543	25.331	1563	1	5.1.0	Rel-5	Optional and Mandatory fields in Measurement Control	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020544	25.331	1564		3.11.0	R99	Clarifications to Reporting Cell Status	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1565		4.5.0	Rel-4	Clarifications to Reporting Cell Status	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1566		5.1.0	Rel-5	Clarifications to Reporting Cell Status	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1567		3.11.0	R99	Clarification to minimum SF	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1568		4.5.0	Rel-4	Clarification to minimum SF	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1569		5.1.0	Rel-5	Clarification to minimum SF	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1570		3.11.0	R99	Clarifications to inter-frequency measurements	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1571		4.5.0	Rel-4	Clarifications to inter-frequency measurements	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1572		5.1.0	Rel-5	Clarifications to inter-frequency measurements	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020558	25.331	1573	1	3.11.0	R99	Problems with "SFN-SFN observed time difference" measurement	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020558	25.331	1574	1	4.5.0	Rel-4	Problems with "SFN-SFN observed time difference" measurement	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020558	25.331	1575	1	5.1.0	Rel-5	Problems with "SFN-SFN observed time difference" measurement	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1576	2	3.11.0	R99	Ciphering when HO to UMTS of signalling only connection	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1577	2	4.5.0	Rel-4	Ciphering when HO to UMTS of signalling only connection	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1578	2	5.1.0	Rel-5	Ciphering when HO to UMTS of signalling only connection	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1579		3.11.0	R99	Inter RAT handover from UTRAN	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1580		4.5.0	Rel-4	Inter RAT handover from UTRAN	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1581		5.1.0	Rel-5	Inter RAT handover from UTRAN	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1582		3.11.0	R99	Correction to Cell Update procedure with cause Radio link failure	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1583		4.5.0	Rel-4	Correction to Cell Update procedure with cause Radio link failure	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020544	25.331	1584		5.1.0	Rel-5	Correction to Cell Update procedure with cause Radio link failure	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1585		3.11.0	R99	Correction to the handling of IE "UTRAN DRX cycle length coefficient" in CELL/URA UPDATE procedure	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1586		4.5.0	Rel-4	Correction to the handling of IE "UTRAN DRX cycle length coefficient" in CELL/URA UPDATE procedure	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1587		5.1.0	Rel-5	Correction to the handling of IE "UTRAN DRX cycle length coefficient" in CELL/URA UPDATE procedure	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020545	25.331	1588		3.11.0	R99	Correction to RLC unrecoverable error in CELL_DCH state	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1589		4.5.0	Rel-4	Correction to RLC unrecoverable error in CELL_DCH state	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1590		5.1.0	Rel-5	Correction to RLC unrecoverable error in CELL_DCH state	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1591		3.11.0	R99	Use of scrambling change when activating CM pattern using SF/2 by MEASUREMENT CONTROL	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1592		4.5.0	Rel-4	Use of scrambling change when activating CM pattern using SF/2 by MEASUREMENT CONTROL	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1593		5.1.0	Rel-5	Use of scrambling change when activating CM pattern using SF/2 by MEASUREMENT CONTROL	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1594		3.11.0	R99	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1595		4.5.0	Rel-4	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1596		5.1.0	Rel-5	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020630	25.331	1597	1	3.11.0	R99	IP_offset correction	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020630	25.331	1598	1	4.5.0	Rel-4	IP_offset correction	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020630	25.331	1599	1	5.1.0	Rel-5	IP_offset correction	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1600		3.11.0	R99	Clarification on the IE "Frequency Info"	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1601		4.5.0	Rel-4	Clarification on the IE "Frequency Info"	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020545	25.331	1602		5.1.0	Rel-5	Clarification on the IE "Frequency Info"	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1603		3.11.0	R99	Correction of RNTI used in PUSCH capacity request and physical shared channel allocation request	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1604		4.5.0	Rel-4	Correction of RNTI used in PUSCH capacity request and physical shared channel allocation request	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1605		5.1.0	Rel-5	Correction of RNTI used in PUSCH capacity request and physical shared channel allocation request	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1606		3.11.0	R99	Correction to allowed logical channel list choice for RACH transport channels	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1607		4.5.0	Rel-4	Correction to allowed logical channel list choice for RACH transport channels	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1608		5.1.0	Rel-5	Correction to allowed logical channel list choice for RACH transport channels	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1609		3.11.0	R99	SRNS relocation containers corrections	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020654	25.331	1609	1	3.11.0	R99	SRNS relocation containers corrections	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1610		4.5.0	Rel-4	SRNS relocation containers corrections	revised	A		Radio Resource Control (RRC) protocol specification	R2

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RP-020654	25.331	1610	1	4.5.0	Rel-4	SRNS relocation containers corrections	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1611		5.1.0	Rel-5	SRNS relocation containers corrections	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020654	25.331	1611	1	5.1.0	Rel-5	SRNS relocation containers corrections	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1612		3.11.0	R99	DCH quality target	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1613		4.5.0	Rel-4	DCH quality target	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1614		5.1.0	Rel-5	DCH quality target	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1615		3.11.0	R99	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY(2)	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1616		4.5.0	Rel-4	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY(2)	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1617		5.1.0	Rel-5	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY(2)	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1618	1	3.11.0	R99	Correction of secondary CCPCH selection and PRACH selectionv	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1619	1	4.5.0	Rel-4	Correction of secondary CCPCH selection and PRACH selection	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020546	25.331	1620	1	5.1.0	Rel-5	Correction of secondary CCPCH selection and PRACH selection	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1621		3.11.0	R99	RRC TVM Corrections	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1622		4.5.0	Rel-4	RRC TVM Corrections	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1623		5.1.0	Rel-5	RRC TVM Corrections	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1624		3.11.0	R99	Correction of Transmission Gap Distance semantics description	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1625		4.5.0	Rel-4	Correction of Transmission Gap Distance semantics description	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1626		5.1.0	Rel-5	Correction of Transmission Gap Distance semantics description	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1627		3.11.0	R99	Active Set Update and simultaneous reconfiguration	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1628		4.5.0	Rel-4	Active Set Update and simultaneous reconfiguration	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1629		5.1.0	Rel-5	Active Set Update and simultaneous reconfiguration	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1630		3.11.0	R99	UE behaviour following RLC size change	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1631		4.5.0	Rel-4	UE behaviour following RLC size change	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1632		5.1.0	Rel-5	UE behaviour following RLC size change	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020547	25.331	1633		3.11.0	R99	RRC SN in uplink	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1634		4.5.0	Rel-4	RRC SN in uplink	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1635		5.1.0	Rel-5	RRC SN in uplink	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1636		3.11.0	R99	Multiplexing of Tr mode RBs of different CN domains on the same transport channel	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1637		4.5.0	Rel-4	Multiplexing of Tr mode RBs of different CN domains on the same transport channel	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020547	25.331	1638		5.1.0	Rel-5	Multiplexing of Tr mode RBs of different CN domains on the same transport channel	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1639		3.11.0	R99	Security clarifications	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1640		4.5.0	Rel-4	Security clarifications	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1641		5.1.0	Rel-5	Security clarifications	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1642		3.11.0	R99	Correction to the actions of Out of service area and In service area	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1643		4.5.0	Rel-4	Correction to the actions of Out of service area and In service area	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1644		5.1.0	Rel-5	Correction to the actions of Out of service area and In service area	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1645		3.11.0	R99	TVM pending time after trigger and initial conditions	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1646		4.5.0	Rel-4	TVM pending time after trigger and initial conditions	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1647		5.1.0	Rel-5	TVM pending time after trigger and initial conditions	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1648	1	3.11.0	R99	Handling of Downlink information for each RL in reconfiguration messages	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1649	1	4.5.0	Rel-4	Handling of Downlink information for each RL in reconfiguration messages	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1650	1	5.1.0	Rel-5	Handling of Downlink information for each RL in reconfiguration messages	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020557	25.331	1651		5.1.0	Rel-5	Physical layer IEs for HSDPA	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020655	25.331	1651	1	5.1.0	Rel-5	Physical layer IEs for HSDPA	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020662	25.331	1651	2	5.1.0	Rel-5	Physical layer IEs for HSDPA	approved	F	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020557	25.331	1652		5.1.0	Rel-5	Transport channel information elements for HSDPA	approved	F	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1653		3.11.0	R99	Nested Cell Updates and SRNS Relocation	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1654		4.5.0	Rel-4	Nested Cell Updates and SRNS Relocation	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020548	25.331	1655		5.1.0	Rel-5	Nested Cell Updates and SRNS Relocation	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1656		4.5.0	Rel-4	Corrections to open loop power control for 1.28 Mcps TDD	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1657		5.1.0	Rel-5	Corrections to open loop power control for 1.28 Mcps TDD	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1658		4.5.0	Rel-4	RLC entity re-establishment during SRNS relocation	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1659		5.1.0	Rel-5	RLC entity re-establishment during SRNS relocation	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020559	25.331	1660		4.5.0	Rel-4	Corrections to Synchronisation for 1.28 Mcps TDD	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020559	25.331	1661		5.1.0	Rel-5	Corrections to Synchronisation for 1.28 Mcps TDD	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1662		4.5.0	Rel-4	Reintroduction of IE "SRB delay" in Rel-4 ASN.1	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1663		5.1.0	Rel-5	Reintroduction of IE "SRB delay" in Rel-4 ASN.1	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1664		4.5.0	Rel-4	Corrections to ASN.1 for SRNC relocation container	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1665		5.1.0	Rel-5	Corrections to ASN.1 for SRNC relocation container	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1666		4.5.0	Rel-4	Unused values in ASN.1	approved	F	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020553	25.331	1667		5.1.0	Rel-5	Unused values in ASN.1	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1668		3.11.0	R99	Corrections to security	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1669		4.5.0	Rel-4	Corrections to security	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020548	25.331	1670		5.1.0	Rel-5	Corrections to security	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1671	1	3.11.0	R99	SRNS relocation with integrity	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020631	25.331	1671	2	3.11.0	R99	SRNS relocation with integrity	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1672		4.5.0	Rel-4	SRNS relocation with integrity	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020631	25.331	1672	1	4.5.0	Rel-4	SRNS relocation with integrity	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1673		5.1.0	Rel-5	SRNS relocation with integrity	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020631	25.331	1673	1	5.1.0	Rel-5	SRNS relocation with integrity	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1674		3.11.0	R99	Reception of MEASUREMENT CONTROL in state CELL_FACH	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1675		4.5.0	Rel-4	Reception of MEASUREMENT CONTROL in state CELL_FACH	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020549	25.331	1676		5.1.0	Rel-5	Reception of MEASUREMENT CONTROL in state CELL_FACH	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1677		3.11.0	R99	Unsupported configuration	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1678		4.5.0	Rel-4	Unsupported configuration	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1679		5.1.0	Rel-5	Unsupported configuration	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1680		3.11.0	R99	Handover corrections	approved	F	3.12.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1681		4.5.0	Rel-4	Handover corrections	approved	A	4.6.0	Radio Resource Control (RRC) protocol specification	R2
RP-020549	25.331	1682		5.1.0	Rel-5	Handover corrections	approved	A	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020590	25.331	1683		5.1.0	Rel-5	TX diversity on radio links in the active set	approved	F	5.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-020557	25.331	1684		5.1.0	Rel-5	Mandatory support for Dedicated Pilot for Channel Estimation	approved	F	5.2.0	Radio Resource Control (RRC) protocol specification	R2
-	25.331	1706	-	4.6.0	Rel-4	Dummy CR to justify upping version number of the spec after RP-17 due to missing ASN.1 in 4.6.0.	approved		4.7.0	Radio Resource Control (RRC) protocol specification	R2
RP-020554	25.844	005		4.2.0	Rel-4	Corrections to RFC3095 operation	approved	F	4.3.0	Radio acces bearer support enhancements	R2
RP-020550	34.109	019		3.6.0	R99	Correction to figure 5.3.2.6.1.1	approved	F	3.7.0	Terminal logical test interface; Special conformance testing functions	R2
RP-020605	25.401	055	1	5.3.0	Rel-5	Clarification on ALCAP Indentifiers	approved	A	5.4.0	UTRAN Overall Description	R3
RP-020627	25.401	056	1	5.3.0	Rel-5	Introduction of Iur-g	approved	F	5.4.0	UTRAN Overall Description	R3
RP-020625	25.401	057	1	5.3.0	Rel-5	Introduction of the Access Control Function: SNA	approved	B	5.4.0	UTRAN Overall Description	R3
RP-020605	25.401	058	-	4.4.0	Rel-4	Correction of ALCAP Identifiers	approved	F	4.5.0	UTRAN Overall Description	R3
RP-020628	25.401	059	-	5.3.0	Rel-5	Introduction of HS-DSCH RNTI in TS25.401	approved	F	5.4.0	UTRAN Overall Description	R3
RP-020626	25.401	060	-	5.3.0	Rel-5	Introduction of Iur-g with scope modification	withdrawn	F		UTRAN Overall Description	R3
RP-020599	25.410	040	-	3.7.0	R99	Inclusion of RANAP message in RNC initiated SCCP Connection Request	approved	F	3.8.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020599	25.410	041	-	4.4.0	Rel-4	Inclusion of RANAP message in RNC initiated SCCP Connection Request	approved	A	4.5.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020599	25.410	042	-	5.1.0	Rel-5	Inclusion of RANAP message in RNC initiated SCCP Connection Request	approved	A	5.2.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020611	25.412	011	1	5.0.0	Rel-5	Addition of new reference on SCTP checksum	approved	A	5.1.0	UTRAN Iu interface signalling transport	R3
RP-020611	25.412	012	1	4.0.0	Rel-4	Addition of new reference on SCTP checksum	approved	F	4.1.0	UTRAN Iu interface signalling transport	R3
RP-020606	25.413	480	-	4.5.0	Rel-4	Erroneous criticality in DATA VOLUME REPORT REQUEST a.o.	approved	F	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020606	25.413	481	-	5.1.0	Rel-5	Erroneous criticality in DATA VOLUME REPORT REQUEST a.o.	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	482	2	3.10.0	R99	Handling of security information at relocation	approved	F	3.11.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	483	2	4.5.0	Rel-4	Handling of security information at relocation	approved	A	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	484	2	5.1.0	Rel-5	Handling of security information at relocation	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020629	25.413	488	1	5.1.0	Rel-5	CRRM Corrections	approved	F	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	493	1	3.10.0	R99	Codec change during SRNS relocation	approved	F	3.11.0	UTRAN Iu interface RANAP signalling	R3

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RP-020600	25.413	494	1	4.5.0	Rel-4	Codec change during SRNS relocation	approved	A	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	495	1	5.1.0	Rel-5	Codec change during SRNS relocation	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020606	25.413	503	1	5.1.0	Rel-5	New cause value for RAB release request	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020625	25.413	504	2	5.1.0	Rel-5	Shared Networks in connected mode – Information Transfer	approved	B	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020624	25.413	506	2	5.1.0	Rel-5	GERAN specific impacts on the Iu-cs interface	approved	B	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	507	1	3.10.0	R99	Correction to RANAP cause value range	approved	F	3.11.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	508	1	4.5.0	Rel-4	Correction to RANAP cause value range	approved	A	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020600	25.413	509	1	5.1.0	Rel-5	Correction to RANAP cause value range	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020606	25.413	511	-	4.5.0	Rel-4	New cause value for RAB release request	approved	F	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020606	25.413	512	-	4.5.0	Rel-4	LCS alignment with stage 2	approved	F	4.6.0	UTRAN Iu interface RANAP signalling	R3
RP-020606	25.413	513	-	5.1.0	Rel-5	LCS alignment with stage 2	approved	A	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020629	25.413	514	-	5.1.0	Rel-5	One possible invisible implementation for UTRAN pure systems of GERAN specific LCS change in RANAP	withdrawn	B		UTRAN Iu interface RANAP signalling	R3
RP-020643	25.413	515	-	5.1.0	Rel-5	Signalling enhancements for GERAN Iu Mode LCS	approved	B	5.2.0	UTRAN Iu interface RANAP signalling	R3
RP-020629	25.414	039	3	5.1.0	Rel-5	Necessary changes for the Iu UP support mode on Iu-cs for the IP transport option	approved	F	5.2.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020601	25.415	112	-	3.11.0	R99	Guaranteed bit rate in the Iu User Plane	approved	F	3.12.0	UTRAN Iu interface user plane protocols	R3
RP-020601	25.415	113	-	4.5.0	Rel-4	Guaranteed bit rate in the Iu User Plane	approved	A	4.6.0	UTRAN Iu interface user plane protocols	R3
RP-020601	25.415	114	-	5.1.0	Rel-5	Guaranteed bit rate in the Iu User Plane	approved	A	5.2.0	UTRAN Iu interface user plane protocols	R3
RP-020602	25.419	104	1	3.9.0	R99	Correction to the ASN.1 Coding: Criticality Information is missing from "Interface Elementary Procedure List"	approved	F	3.10.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020602	25.419	105	1	4.5.1	Rel-4	Correction to the ASN.1 Coding: Criticality Information is missing from "Interface Elementary Procedure List"	approved	A	4.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020602	25.419	106	1	5.1.0	Rel-5	Correction to the ASN.1 Coding: Criticality Information is missing from "Interface Elementary Procedure List"	approved	A	5.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020627	25.420	028	1	5.0.0	Rel-5	Introduction of Iur-g	approved	F	5.1.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-020626	25.420	029	1	5.0.0	Rel-5	Introduction of Iur-g with scope modification	withdrawn	F		UTRAN Iur Interface: General Aspects and Principles	R3
RP-020626	25.421	002	-	5.0.0	Rel-5	Introduction of Iur-g with scope modification	withdrawn	F		UTRAN Iur interface Layer 1	R3
RP-020611	25.422	012	1	5.0.0	Rel-5	Addition of new reference on SCTP checksum	approved	A	5.1.0	UTRAN Iur interface signalling transport	R3
RP-020611	25.422	013	1	4.1.1	Rel-4	Addition of new reference on SCTP checksum	approved	F	4.2.0	UTRAN Iur interface signalling transport	R3
RP-020626	25.422	014	-	5.0.0	Rel-5	Introduction of Iur-g with scope modification	withdrawn	F		UTRAN Iur interface signalling transport	R3
RP-020607	25.423	674	-	4.5.0	Rel-4	Correction of Criticality of RL set information in Dedicated Measurement initiation	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	675	-	5.2.0	Rel-5	Correction of Criticality of RL set information in Dedicated Measurement initiation	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020614	25.423	676	-	4.5.0	Rel-4	Rx Timing Deviation (TDD) corrections	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020614	25.423	677	1	5.2.0	Rel-5	Rx Timing Deviation (TDD) corrections	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020616	25.423	678	-	4.5.0	Rel-4	Clarification of the Common Measurement Reporting procedure	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020616	25.423	679	1	5.2.0	Rel-5	Clarification of the Common Measurement Reporting procedure	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	680	-	4.5.0	Rel-4	Correction to procedure text of DCH Rate Control for modified DCHs	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3

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RP-020607	25.423	681	-	5.2.0	Rel-5	Correction to procedure text of DCH Rate Control for modified DCHs	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020623	25.423	682	2	5.2.0	Rel-5	CQI and ACK/NACK Repetition Factor and Power Offset and k-value	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-020648	25.423	682	3	5.2.0	Rel-5	CQI and ACK/NACK Repetition Factor and Power Offset and k-value	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020622	25.423	683	-	5.2.0	Rel-5	Change of Maximum Number of HS-SCCH Codes	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020624	25.423	684	1	5.2.0	Rel-5	Required enhancements due to GERAN specific impacts on the Iu-cs interface	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-020652	25.423	684	2	5.2.0	Rel-5	Required enhancements due to GERAN specific impacts on the Iu-cs interface	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020618	25.423	685	-	5.2.0	Rel-5	Clarification for the initial power of the power balancing (Pinit)	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020628	25.423	686	1	5.2.0	Rel-5	Partial dedicated measurement reporting	revised	B		UTRAN Iur interface RNSAP signalling	R3
RP-020651	25.423	686	2	5.2.0	Rel-5	Partial dedicated measurement reporting	approved	B	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020620	25.423	687	-	5.2.0	Rel-5	DSCH Initial Credits	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-020646	25.423	687	1	5.2.0	Rel-5	DSCH Initial Credits	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020619	25.423	688	-	5.2.0	Rel-5	Removal of BLER for HS-DSCH	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020617	25.423	689	1	5.2.0	Rel-5	Correction for inconsistency in length of TFCI field 2	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020612	25.423	690	-	4.5.0	Rel-4	WG4 Reference Corrections	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020612	25.423	691	-	5.2.0	Rel-5	WG4 Reference Corrections	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	693	4	4.5.0	Rel-4	RNSAP Procedures alignment to NBAP and other corrections	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	694	2	5.2.0	Rel-5	RNSAP Procedures alignment to NBAP and other corrections	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	695	2	4.5.0	Rel-4	Handling of Common measurement of neighbor cell information elements	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	696	2	5.2.0	Rel-5	Handling of Common measurement of neighbor cell information elements	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020589	25.423	698	1	3.10.0	R99	Replacing all occurences of PSIR(k) by dPcurr in 25.423	approved	F	3.11.0	UTRAN Iur interface RNSAP signalling	R3
RP-020589	25.423	699	1	4.5.0	Rel-4	Replacing all occurences of PSIR(k) by dPcurr in 25.423	approved	A	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020589	25.423	700	1	5.2.0	Rel-5	Replacing all occurences of PSIR(k) by dPcurr in 25.423	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020623	25.423	701	1	5.2.0	Rel-5	RL Parameter Update Procedure	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020625	25.423	702	1	5.2.0	Rel-5	Introduction of Shared Network Area information support	approved	B	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	703	2	3.10.0	R99	Correction to the Error Indication procedure	approved	F	3.11.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	704	2	4.5.0	Rel-4	Correction to the Error Indication procedure	approved	A	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	705	2	5.2.0	Rel-5	Correction to the Error Indication procedure	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020613	25.423	706	2	4.5.0	Rel-4	Uplink Synchronisation in 1.28Mcps TDD	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020613	25.423	707	2	5.2.0	Rel-5	Uplink Synchronisation in 1.28Mcps TDD	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020628	25.423	714	-	5.2.0	Rel-5	Traffic Class for HS-DSCH	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	715	-	4.5.0	Rel-4	Clarification of the DCH rate coding	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020607	25.423	716	1	5.2.0	Rel-5	Clarification of the DCH rate coding	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020621	25.423	717	-	5.2.0	Rel-5	HS-SCCH power offset	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-020649	25.423	717	1	5.2.0	Rel-5	HS-SCCH power offset	approved	F	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	718	1	3.10.0	R99	Correction to Compressed Mode in RL Addition Failure	approved	F	3.11.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	719	1	4.5.0	Rel-4	Correction to Compressed Mode in RL Addition Failure	approved	A	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020603	25.423	720	1	5.2.0	Rel-5	Correction to Compressed Mode in RL Addition Failure	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3

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RP-020615	25.423	721	-	4.5.0	Rel-4	Quality IEs for the UE Positioning measurements	approved	F	4.6.0	UTRAN Iur interface RNSAP signalling	R3
RP-020615	25.423	722	-	5.2.0	Rel-5	Quality IEs for the UE Positioning measurements	approved	A	5.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-020620	25.425	053	-	5.1.0	Rel-5	DSCH Initial Credits	approved	F	5.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020611	25.426	026	1	5.1.0	Rel-5	Addition of new reference on SCTP checksum	approved	A	5.2.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020611	25.426	027	1	4.3.0	Rel-4	Addition of new reference on SCTP checksum	approved	F	4.4.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020608	25.430	034	-	4.3.0	Rel-4	TDD number of PICH Correction	approved	F	4.4.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020608	25.430	035	-	5.1.0	Rel-5	TDD number of PICH Correction	approved	A	5.2.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020611	25.432	003	1	5.0.1	Rel-5	Addition of new reference on SCTP checksum	approved	A	5.1.0	UTRAN Iub interface: signalling transport	R3
RP-020612	25.433	705	-	4.5.0	Rel-4	WG4 Reference Corrections	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020612	25.433	706	-	5.1.0	Rel-5	WG4 Reference Corrections	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020614	25.433	707	-	4.5.0	Rel-4	Rx Timing Deviation (TDD) corrections	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020614	25.433	708	-	5.1.0	Rel-5	Rx Timing Deviation (TDD) corrections	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020616	25.433	709	-	4.5.0	Rel-4	Clarification of the Common Measurement Reporting procedure	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020616	25.433	710	-	5.1.0	Rel-5	Clarification of the Common Measurement Reporting procedure	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020628	25.433	711	1	5.1.0	Rel-5	Correction of HSDPA Common Configuration	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020628	25.433	712	-	5.1.0	Rel-5	TFCI2 Bearer Correction for IP Transport	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020623	25.433	713	2	5.1.0	Rel-5	CQI and ACK/NACK Repetition factor and Power Offset and k-value	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-020647	25.433	713	3	5.1.0	Rel-5	CQI and ACK/NACK Repetition factor and Power Offset and k-value	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020622	25.433	714	-	5.1.0	Rel-5	Change of Maximum Number of HS-SCCH Codes	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020618	25.433	715	1	5.1.0	Rel-5	Clarification for the initial power of the power balancing (Pinit)	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020619	25.433	716	-	5.1.0	Rel-5	Removal of BLER for HS-DSCH	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020617	25.433	717	1	5.1.0	Rel-5	Correction for inconsistency in length of TFCI field 2	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020589	25.433	719	1	3.10.0	R99	Replacing all occurences of PSIR(k) by dPcurr in 25.433	approved	F	3.11.0	UTRAN Iub interface NBAP signalling	R3
RP-020589	25.433	720	1	4.5.0	Rel-4	Replacing all occurences of PSIR(k) by dPcurr in 25.433	approved	A	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020589	25.433	721	1	5.1.0	Rel-5	Replacing all occurences of PSIR(k) by dPcurr in 25.433	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020623	25.433	725	1	5.1.0	Rel-5	RL Parameter Update Procedure	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020630	25.433	726	2	4.5.0	Rel-4	IP_offset correction	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020630	25.433	727	2	5.1.0	Rel-5	IP_offset correction	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020613	25.433	728	2	4.5.0	Rel-4	Uplink Synchronisation in 1.28Mcps TDD	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020613	25.433	729	2	5.1.0	Rel-5	Uplink Synchronisation in 1.28Mcps TDD	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020609	25.433	732	2	4.5.0	Rel-4	Modification of PICH Parameters LCR TDD	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020609	25.433	733	2	5.1.0	Rel-5	Modification of PICH Parameters LCR TDD	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020604	25.433	737	1	3.10.0	R99	Handling of conflicting specification text	approved	F	3.11.0	UTRAN Iub interface NBAP signalling	R3
RP-020604	25.433	738	1	4.5.0	Rel-4	Handling of conflicting specification text	approved	A	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020604	25.433	739	1	5.1.0	Rel-5	Handling of conflicting specification text	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3

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RP-020609	25.433	740	1	4.5.0	Rel-4	Correction to the specification of Optional IEs	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020609	25.433	741	1	5.1.0	Rel-5	Correction to the specification of Optional IEs	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020621	25.433	742	-	5.1.0	Rel-5	HS-SCCH power offset	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-020650	25.433	742	1	5.1.0	Rel-5	HS-SCCH power offset	approved	F	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020615	25.433	743	-	4.5.0	Rel-4	Quality IEs for the UE Positioning measurements	approved	F	4.6.0	UTRAN Iub interface NBAP signalling	R3
RP-020615	25.433	744	-	5.1.0	Rel-5	Quality IEs for the UE Positioning measurements	approved	A	5.2.0	UTRAN Iub interface NBAP signalling	R3
RP-020610	25.435	085	-	4.4.0	Rel-4	Correction on Paging Indication bitmap	approved	F	4.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020610	25.435	086	-	5.1.0	Rel-5	Correction on Paging Indication bitmap	approved	A	5.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020628	25.442	003	1	5.0.1	Rel-5	Deletion of Misleading Sentence for O&M Signalling Bearer	approved	F	5.1.0	UTRAN implementation-specific O&M transport	R3
RP-020628	25.933	003	1	5.1.0	Rel-5	Rapporteur's Corrections to TR25.933 IP Transport in UTRAN	approved	F	5.2.0	IP transport in UTRAN	R3
RP-020484	25.101	184	2	5.3.0	Rel-5	Requirements in case of dedicated pilot	approved	F	5.4.0	UE Radio transmission and reception (FDD)	R4
RP-020495	25.101	188	2	5.3.0	Rel-5	Performance requirements for the HSDPA Fixed Reference Channel (FRC)	approved	F	5.4.0	UE Radio transmission and reception (FDD)	R4
RP-020484	25.101	189	1	5.3.0	Rel-5	Corrections to Spectrum Emission Mask	approved	F	5.4.0	UE Radio transmission and reception (FDD)	R4
RP-020484	25.101	191		5.3.0	Rel-5	PRACH modulation quality	approved	F	5.4.0	UE Radio transmission and reception (FDD)	R4
RP-020473	25.102	118		3.11.0	R99	Correction to 3.84 Mcps TDD option downlink power control requirements	approved	F	3.12.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020473	25.102	119		4.5.0	Rel-4	Correction to 3.84 Mcps TDD option downlink power control requirements	approved	A	4.6.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020473	25.102	120		5.1.0	Rel-5	Correction to 3.84 Mcps TDD option downlink power control requirements	approved	A	5.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020477	25.102	121		4.5.0	Rel-4	Correction to blocking exceptions for 1.28 Mcps TDD option	approved	F	4.6.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020477	25.102	122		5.1.0	Rel-5	Correction to blocking exceptions for 1.28 Mcps TDD option	approved	A	5.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020477	25.102	123		4.5.0	Rel-4	Correction of Out-of-Synchronisation test for 1,28 Mpcs TDD option	approved	F	4.6.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020477	25.102	124		5.1.0	Rel-5	Correction of Out-of-Synchronisation test for 1,28 Mpcs TDD option	approved	A	5.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020490	25.102	125		5.1.0	Rel-5	Update of reference to ITU-R recommendation SM.329-9	approved	F	5.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020495	25.102	126		5.1.0	Rel-5	Addition of HSDPA UE requirements for 1.28 Mcps TDD option for 16QAM and QPSK for fixed reference channels	approved	B	5.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020485	25.104	141	1	5.3.0	Rel-5	Correction to spurious emissions limits	approved	F	5.4.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020492	25.104	142		5.3.0	Rel-5	Correction to CPICH measurement period	approved	F	5.4.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020485	25.104	146		5.3.0	Rel-5	Time alignment in TX Diversity	approved	B	5.4.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020491	25.105	122	1	5.1.0	Rel-5	3,84 Mcps TDD option LA ACS and DR desired signal level correction	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4

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RP-020486	25.105	123		5.1.0	Rel-5	Alignment of ALCR definition with new power definition	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020493	25.105	124		5.1.0	Rel-5	Applicability of requirements in case of RF devices external to the BS	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020494	25.105	125		5.1.0	Rel-5	Total power dynamic range definition	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020490	25.105	126		5.1.0	Rel-5	Update of reference to ITU-R recommendation SM.329-9	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020491	25.105	127		5.1.0	Rel-5	1,28 Mcps TDD option Local Area BS ACS and Dynamic Range desired signal level correction	approved	F	5.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020483	25.106	008	1	4.2.0	Rel-4	Out of band gain	approved	F	4.3.0	UTRA Repeater; Radio transmission and reception	R4
RP-020483	25.106	009	1	5.1.0	Rel-5	Out of band gain	approved	A	5.2.0	UTRA Repeater; Radio transmission and reception	R4
RP-020478	25.113	016	1	4.2.0	Rel-4	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	approved	F	4.3.0	Base station and repeater electromagnetic compatibility (EMC)	R4
RP-020478	25.113	017	1	5.1.0	Rel-5	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	approved	A	5.2.0	Base station and repeater electromagnetic compatibility (EMC)	R4
RP-020474	25.123	242		3.10.0	R99	Definition of “Out of service area” conditions for Connected Mode CELL_FACH, CELL_PCH and URA_PCH states	approved	F	3.11.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	243		4.5.0	Rel-4	Definition of “Out of service area” conditions for Connected Mode CELL_FACH, CELL_PCH and URA_PCH states	approved	A	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	244		5.1.0	Rel-5	Definition of “Out of service area” conditions for Connected Mode CELL_FACH, CELL_PCH and URA_PCH states	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	245		3.10.0	R99	Corrections to TDD-GSM measurement requirements and test cases	approved	F	3.11.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	246		4.5.0	Rel-4	Corrections to TDD-GSM measurement requirements and test cases	approved	A	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	247		5.1.0	Rel-5	Corrections to TDD-GSM measurement requirements and test cases	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	248	2	3.10.0	R99	Corrections to TDD-TDD/FDD measurement requirements in Connected Mode	approved	F	3.11.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	249	2	4.5.0	Rel-4	Corrections to TDD-TDD/FDD measurement requirements in Connected Mode	approved	A	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020474	25.123	250	2	5.1.0	Rel-5	Corrections to TDD-TDD/FDD measurement requirements in Connected Mode	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	251	1	4.5.0	Rel-4	1.28Mcps TDD/FDD cell reselection in idle mode	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	252	1	5.1.0	Rel-5	1.28Mcps TDD/FDD cell reselection in idle mode	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	253		4.5.0	Rel-4	1.28Mcps TDD/GSM cell reselection test case in idle mode	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	254		5.1.0	Rel-5	1.28Mcps TDD/GSM cell reselection test case in idle mode	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	255	1	4.5.0	Rel-4	Cell reselection from 3.84Mcps TDD towards 1.28Mcps TDD in idle mode	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	256	1	5.1.0	Rel-5	Cell reselection from 3.84Mcps TDD towards 1.28Mcps TDD in idle mode	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4

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RP-020479	25.123	257		4.5.0	Rel-4	Cell reselection in CELL_FACH state	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	258		5.1.0	Rel-5	Cell reselection in CELL_FACH state	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	259		4.5.0	Rel-4	Handover for 1.28 Mcps TDD OPTION	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	260		5.1.0	Rel-5	Handover for 1.28 Mcps TDD OPTION	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	261		4.5.0	Rel-4	Introduction of Inter-RAT cell change for 1.28 Mcps TDD	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	262		5.1.0	Rel-5	Introduction of Inter-RAT cell change for 1.28 Mcps TDD	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	263		4.5.0	Rel-4	OCNS_Ec/Ior and Ioc	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	264		5.1.0	Rel-5	OCNS_Ec/Ior and Ioc	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	265		4.5.0	Rel-4	RACH reporting for 1.28 Mcps TDD	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	266		5.1.0	Rel-5	RACH reporting for 1.28 Mcps TDD	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	267	1	4.5.0	Rel-4	Correction to SFN-SFN type 2 measurement mapping for LCR TDD option	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020479	25.123	268	1	5.1.0	Rel-5	Correction to SFN-SFN type 2 measurement mapping for LCR TDD option	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	269		4.5.0	Rel-4	Correction to Test Case for Event 1G triggered reporting of neighbours in AWGN propagation condition for LCR TDD option	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	270		5.1.0	Rel-5	Correction to Test Case for Event 1G triggered reporting of neighbours in AWGN propagation condition for LCR TDD option	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	271		4.5.0	Rel-4	Correction to RX Timing Deviation for LCR TDD option	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	272		5.1.0	Rel-5	Correction to RX Timing Deviation for LCR TDD option	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	273		4.5.0	Rel-4	Correction to the intra frequency measurements for LCR TDD option	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	274		5.1.0	Rel-5	Correction to the intra frequency measurements for LCR TDD option	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	275		4.5.0	Rel-4	Correction to section 10	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	276		5.1.0	Rel-5	Correction to section 10	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	277		4.5.0	Rel-4	TDD inter-frequency measurement capability	approved	F	4.6.0	Requirements for support of radio resource management (TDD)	R4
RP-020480	25.123	278		5.1.0	Rel-5	TDD inter-frequency measurement capability	approved	A	5.2.0	Requirements for support of radio resource management (TDD)	R4
RP-020487	25.133	430	1	5.3.0	Rel-5	Inclusion of TTI uncertainty in event reporting delays for FDD measurement test cases.	approved	F	5.4.0	Requirements for support of radio resource management (FDD)	R4

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RP-020475	25.133	434	1	3.10.0	R99	Correction of Identification times in CELL_FACH state for BSIC identification	approved	F	3.11.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	435	1	4.5.0	Rel-4	Correction of Identification times in CELL_FACH state for BSIC identification	approved	A	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	436	1	5.3.0	Rel-5	Correction of Identification times in CELL_FACH state for BSIC identification	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	446	1	3.10.0	R99	Accuracy requirement of UE Rx-Tx time difference type 2	approved	F	3.11.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	447	1	4.5.0	Rel-4	Accuracy requirement of UE Rx-Tx time difference type 2	approved	A	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	448	1	5.3.0	Rel-5	Accuracy requirement of UE Rx-Tx time difference type 2	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	449		3.10.0	R99	Correction of CELL_FACH test case	approved	F	3.11.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	450		4.5.0	Rel-4	Correction of CELL_FACH test case	approved	A	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	451		5.3.0	Rel-5	Correction of CELL_FACH test case	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020487	25.133	457	1	5.3.0	Rel-5	Corrections of the tables of valid compressed mode parameters	approved	F	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	458	1	3.10.0	R99	Correction of SCH side conditions and corrections of test cases	approved	F	3.11.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	459	1	4.5.0	Rel-4	Correction of SCH side conditions and corrections of test cases	approved	A	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020475	25.133	460	1	5.3.0	Rel-5	Correction of SCH side conditions and corrections of test cases	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020481	25.133	464		4.5.0	Rel-4	Removal of AMR speech codec requirement	approved	F	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020487	25.133	465	2	5.3.0	Rel-5	Inclusion of AMR WB speech codec requirements	approved	F	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020481	25.133	466		4.5.0	Rel-4	Completion of FDD-1.28 Mcps TDD	approved	F	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020481	25.133	467		5.3.0	Rel-5	Completion of FDD-1.28 Mcps TDD	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020481	25.133	468		5.3.0	Rel-5	Removal of AMR speech codec requirement	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020529	25.133	469	2	3.10.0	R99	Definition of valid range for Rx-Tx time difference	approved	F	3.11.0	Requirements for support of radio resource management (FDD)	R4
RP-020529	25.133	470	1	4.5.0	Rel-4	Definition of valid range for Rx-Tx time difference	approved	A	4.6.0	Requirements for support of radio resource management (FDD)	R4
RP-020529	25.133	471	1	5.3.0	Rel-5	Definition of valid range for Rx-Tx time difference	approved	A	5.4.0	Requirements for support of radio resource management (FDD)	R4
RP-020488	25.141	189	1	5.3.1	Rel-5	Correction of transmit inter modulation test method	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020488	25.141	215	2	5.3.1	Rel-5	Correction of the internal BLER calculation verification test	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020488	25.141	218	1	5.3.1	Rel-5	Correction of receiver spurious emission test method	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020488	25.141	236		5.3.1	Rel-5	Correction of Test Model 4	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020495	25.141	239	1	5.3.1	Rel-5	Node-B EVM Test for Transmission of HSDPA 16QAM Signals	approved	B	5.4.0	Base station conformance testing (FDD)	R4

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RP-020488	25.141	241		5.3.1	Rel-5	Corrections to Spectrum Emission Mask	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020492	25.141	242		5.3.1	Rel-5	Correction to CPICH accuracy measurement	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020530	25.141	243		5.3.1	Rel-5	UTRAN measurement Transmitted carrier power	approved	F	5.4.0	Base station conformance testing (FDD)	R4
RP-020468	25.141	245	-	4.5.0	Rel-4	Correction of regional requirements	approved	A	4.6.0	Base station conformance testing (FDD)	R4
RP-020468	25.141	246	-	5.3.1	Rel-5	Correction of regional requirements	approved	A	5.4.0	Base station conformance testing (FDD)	R4
RP-020491	25.142	130	1	5.1.0	Rel-5	3,84 Mcps TDD option LA ACS and DR desired signal level correction	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020476	25.142	131		3.10.0	R99	Alignment of minimum output power definition with core specification.	approved	F	3.11.0	Base station conformance testing (TDD)	R4
RP-020476	25.142	132		4.5.0	Rel-4	Alignment of minimum output power definition with core specification.	approved	A	4.6.0	Base station conformance testing (TDD)	R4
RP-020476	25.142	133		5.1.0	Rel-5	Alignment of minimum output power definition with core specification.	approved	A	5.2.0	Base station conformance testing (TDD)	R4
RP-020482	25.142	134		4.5.0	Rel-4	Correction of Minimum Output power test for 1,28 Mcps TDD option.	approved	F	4.6.0	Base station conformance testing (TDD)	R4
RP-020482	25.142	135		5.1.0	Rel-5	Correction of Minimum Output power test for 1,28 Mcps TDD option.	approved	A	5.2.0	Base station conformance testing (TDD)	R4
RP-020482	25.142	136		4.5.0	Rel-4	Correction to blocking testing procedure for 1,28 Mcps TDD option.	approved	F	4.6.0	Base station conformance testing (TDD)	R4
RP-020482	25.142	137		5.1.0	Rel-5	Correction to blocking testing procedure for 1,28 Mcps TDD option.	approved	A	5.2.0	Base station conformance testing (TDD)	R4
RP-020489	25.142	138	1	5.1.0	Rel-5	General corrections to TS25.142	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020493	25.142	139		5.1.0	Rel-5	Applicability of requirements in case of RF devices external to the BS	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020494	25.142	140		5.1.0	Rel-5	Total power dynamic range definition.	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020489	25.142	141		5.1.0	Rel-5	Correction of Node B test configurations	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020489	25.142	142		5.1.0	Rel-5	Correction of QPSK EVM/PCDE test for 1.28 Mcps TDD option.	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020495	25.142	143		5.1.0	Rel-5	Correction of 16QAM EVM/PCDE testing for HSDPA for 1.28 Mcps TDD option	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020490	25.142	144		5.1.0	Rel-5	Update of reference to ITU-R recommendation SM.329-9	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020491	25.142	145		5.1.0	Rel-5	1,28 Mcps TDD option Local Area BS ACS and Dynamic Range desired signal level correction	approved	F	5.2.0	Base station conformance testing (TDD)	R4
RP-020483	25.143	011	1	4.4.0	Rel-4	Out of band gain	approved	F	4.5.0	UTRA repeater; Conformance testing	R4
RP-020483	25.143	012	1	5.1.0	Rel-5	Out of band gain	approved	A	5.2.0	UTRA repeater; Conformance testing	R4
RP-020490	34.124	008		5.0.0	Rel-5	Update of reference to ITU-R recommendation SM.329-9	approved	F	5.1.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
SP-020549	21.905	039		5.4.0	Rel-5	Addition of GERAN definitions and abbreviations	revised	F		Vocabulary for 3GPP Specifications	S1
SP-020596	21.905	039	1	5.4.0	Rel-5	Addition of GERAN definitions and abbreviations	approved	F	5.5.0	Vocabulary for 3GPP Specifications	S1
SP-020549	21.905	040		5.4.0	Rel-5	Addition of missing GSM/GPRS abbreviations	revised	F		Vocabulary for 3GPP Specifications	S1
SP-020596	21.905	040	1	5.4.0	Rel-5	Addition of missing GSM/GPRS abbreviations	approved	F	5.5.0	Vocabulary for 3GPP Specifications	S1
SP-020555	21.905	041		5.4.0	Rel-6	definitions from TR 22.951	approved	B	6.0.0	Vocabulary for 3GPP Specifications	S1
SP-020555	21.905	042		5.4.0	Rel-6	Enhancement of the definition of the 'Subscriber'	approved	F	6.0.0	Vocabulary for 3GPP Specifications	S1
SP-020547	22.011	047		3.7.0	R99	correction to periodic PLMN scan	approved	F	3.8.0	Service accessibility	S1
SP-020547	22.011	048		4.7.0	Rel-4	correction to periodic PLMN scan	approved	A	4.8.0	Service accessibility	S1
SP-020547	22.011	049		5.0.0	Rel-5	correction to periodic PLMN scan	approved	A	5.1.0	Service accessibility	S1

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SP-020556	22.071	042		6.0.0	Rel-6	Too big file size	approved	D	6.1.0	Location Services (LCS); Stage 1	S1
SP-020556	22.071	043		6.0.0	Rel-6	LCS Anonymous requestor and anonymous target mobile (REL6)	approved	B	6.1.0	Location Services (LCS); Stage 1	S1
SP-020556	22.071	044		6.0.0	Rel-6	LCS Codeword improvements (REL6)	approved	B	6.1.0	Location Services (LCS); Stage 1	S1
SP-020556	22.071	045		6.0.0	Rel-6	LCS extended user privacy	approved	B	6.1.0	Location Services (LCS); Stage 1	S1
SP-020556	22.071	046		6.0.0	Rel-6	regional specific location accuracy requirements	approved	C	6.1.0	Location Services (LCS); Stage 1	S1
SP-020550	22.078	148	1	5.7.0	Rel-5	Clarification on re-connecting held parties in a CPH configuration	approved	F	5.8.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020550	22.078	149		5.7.0	Rel-5	Handling of partial implementations of CAMEL phase 4	approved	C	5.8.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020557	22.101	097	1	6.0.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service aspects; Service principles	S1
SP-020552	22.101	098	1	5.6.0	Rel-5	Clarification of IMS service delivery (for rel 5)	approved	F	5.7.0	Service aspects; Service principles	S1
SP-020552	22.101	100	1	5.6.0	Rel-5	Additional download functionality to emergency call procedures	approved	F	5.7.0	Service aspects; Service principles	S1
SP-020551	22.101	101		5.6.0	Rel-5	Clarifications on ISIM requirements Rel 5	rejected	F		Service aspects; Service principles	S1
SP-020551	22.101	102		6.0.0	Rel-6	Clarifications on ISIM requirements Rel 5	rejected	A		Service aspects; Service principles	S1
SP-020557	22.101	103		6.0.0	Rel-6	Clarification of SIM support in Rel-6	approved	F	6.1.0	Service aspects; Service principles	S1
SP-020557	22.101	104		6.0.0	Rel-6	Removal of implementation details for directory number in SMS and other services	approved	B	6.1.0	Service aspects; Service principles	S1
SP-020557	22.101	105		6.0.0	Rel-6	Rel-6 Clean up of IMS Rel 6 to re-instate requirements	approved	F	6.1.0	Service aspects; Service principles	S1
SP-020557	22.101	106		6.0.0	Rel-6	Independent and linked subscriptions	rejected	B		Service aspects; Service principles	S1
SP-020548	22.105	037		4.3.0	Rel-4	Forbidden LAs for regional provision of service	rejected	F		Services and service capabilities	S1
SP-020548	22.105	038		5.2.0	Rel-5	Forbidden LAs for regional provision of service	rejected	A		Services and service capabilities	S1
SP-020558	22.105	039		5.2.0	Rel-6	on subscriber certificates	approved	B	6.0.0	Services and service capabilities	S1
SP-020598	22.127	050		6.0.0	Rel-6	Reintroduction of User Data management and User data security management postponed from R5	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	051		6.0.0	Rel-6	Network function for Multimedia Messaging	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	052		6.0.0	Rel-6	OSA support of enhanced user privacy	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	053		6.0.0	Rel-6	Reintroduction of features postponed in Rel-5	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	054		6.0.0	Rel-6	extensions to policy management complex parameters	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	055		6.0.0	Rel-6	extensions to policy management third party applications	approved	C	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	056		6.0.0	Rel-6	Reintroduction of Presence Service	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020598	22.127	057		6.0.0	Rel-6	OSA support of Generic Network Interface function	approved	B	6.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020553	22.140	017		5.2.0	Rel-5	Removal of SMS and USSD as possible bearers from 22.140 v5.2.0	approved	F	5.3.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-020560	22.141	015		6.0.0	Rel-6	Presence TS - Cleaning of requirements	approved	F	6.1.0	Presence service; Stage 1	S1
SP-020560	22.141	016		6.0.0	Rel-6	Presence TS - Tidy up of security requirements	approved	F	6.1.0	Presence service; Stage 1	S1

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SP-020561	22.146	033		6.0.0	Rel-6	Support of simultaneous services in MBMS	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	034		6.0.0	Rel-6	Proposal for Amalgamation of 1279, 1334, 1291	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	035		6.0.0	Rel-6	addition of QoS information	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	036		6.0.0	Rel-6	MBMS Editorial CR	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	037		6.0.0	Rel-6	MBMS Availability	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	038		6.0.0	Rel-6	Multicast service discovery	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020561	22.146	039		6.0.0	Rel-6	MBMS Charging	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020562	22.228	015	1	6.0.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	S1
SP-020562	22.228	017		6.0.0	Rel-6	IMS interworking	approved	B	6.1.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	S1
SP-020563	22.233	001		5.0.0	Rel-6	Requirement for efficient use of transport resources for PS Streaming	approved	B	6.0.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020563	22.233	002		5.0.0	Rel-6	CR, PSS server file format	approved	B	6.0.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020564	22.242	001		6.0.0	Rel-6	Clean-up	approved	F	6.1.0	Digital Rights Management (DRM); Stage 1	S1
SP-020604	03.60	215		6.10.1	R97	No MT calls after resumption of GPRS when using NMO=1	approved	F	6.11.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	03.60	216		7.8.1	R98	No MT calls after resumption of GPRS when using NMO=1	approved	A	7.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020529	03.71	043		8.6.0	R99	Privacy class selection flow diagram	approved	F	8.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020530	23.002	056	1	3.5.0	R99	The usage of Iu-interface signalling is missing in the E-interface description	approved	F	3.6.0	Network architecture	S2
SP-020530	23.002	057	1	4.4.0	Rel-4	The usage of Iu-interface signalling is missing in the E-interface description	approved	A	4.5.0	Network architecture	S2
SP-020530	23.002	058	1	5.7.0	Rel-5	The usage of Iu-interface signalling is missing in the E-interface description	approved	A	5.8.0	Network architecture	S2
SP-020530	23.002	097	2	5.7.0	Rel-5	Mc interface	approved	F	5.8.0	Network architecture	S2
SP-020530	23.002	098	1	5.7.0	Rel-5	Clean-up	approved	F	5.8.0	Network architecture	S2
SP-020530	23.002	099	2	4.4.0	Rel-4	Align LCS architecture based on impacts from Radio Access Networks (RAN & GERAN)	approved	F	4.5.0	Network architecture	S2
SP-020530	23.002	100	3	5.7.0	Rel-5	Align LCS architecture based on impacts from Radio Access Networks (RAN & GERAN)	rejected	F		Network architecture	S2
SP-020530	23.002	103	1	5.7.0	Rel-5	IMS Reference Points	approved	F	5.8.0	Network architecture	S2
SP-020604	23.060	372	1	5.2.0	Rel-5	Correction of reference in the Scope	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-020604	23.060	373	2	3.12.0	R99	Clarification to preserved real-time PDP contexts RAB establishment	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	374		4.5.0	Rel-4	Clarification to preserved real-time PDP contexts RAB establishment	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	375		5.2.0	Rel-5	Clarification to preserved real-time PDP contexts RAB establishment	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	379		5.2.0	Rel-5	Addition of PCO IE to PDP Modification procedure	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	383	1	3.12.0	R99	Handling of PDP contexts using a extended TI	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	384	1	4.5.0	Rel-4	Handling of PDP contexts using a extended TI	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	385	1	5.2.0	Rel-5	Handling of PDP contexts using a extended TI	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	388	1	5.2.0	Rel-5	Clarification on MS Initiated Service Request Procedure	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	391	1	5.2.0	Rel-5	Considering Gb mode in description of PDP context modification and deactivation	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	392		4.5.0	Rel-4	Correction of LCS reference	approved	F	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	393		5.2.0	Rel-5	Correction of LCS reference	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	394		5.2.0	Rel-5	Sending downlink packet during SRNS relocation	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	395		5.2.0	Rel-5	Introduction of flow control per PFC between the SGSN and BSS	approved	F	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	396	1	3.12.0	R99	QoS attributes requested in case of RT QoS	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	397	1	4.5.0	Rel-4	QoS attributes requested in case of RT QoS	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	398	1	5.2.0	Rel-5	QoS attributes requested in case of RT QoS	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	400		3.12.0	R99	Handling of preserved PDP contexts	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	401		4.5.0	Rel-4	Handling of preserved PDP contexts	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	402		5.2.0	Rel-5	Handling of preserved PDP contexts	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	405		4.5.0	Rel-4	Removal of Forward SRNS Context Acknowledge message	approved	F	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	406	1	5.2.0	Rel-5	Removal of Forward SRNS Context Acknowledge message	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	407	1	3.12.0	R99	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020606	23.060	407	2	3.12.0	R99	No MT calls after resumption of GPRS when using NMO=1	approved	A	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	408	1	4.5.0	Rel-4	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-020606	23.060	408	2	4.5.0	Rel-4	No MT calls after resumption of GPRS when using NMO=1	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	409	1	5.2.0	Rel-5	No MT calls after resumption of GPRS when using NMO=1	revised	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020606	23.060	409	2	5.2.0	Rel-5	No MT calls after resumption of GPRS when using NMO=1	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	410		3.12.0	R99	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	F	3.13.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	411		4.5.0	Rel-4	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	A	4.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020604	23.060	412		5.2.0	Rel-5	Setting of PDP Context Identifier after inter-SGSN RAU from GTPv0-only SGSN	approved	A	5.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020531	23.107	111	3	3.8.0	R99	Subscribed QoS	approved	F	3.9.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	112	3	4.4.0	Rel-4	Subscribed QoS	approved	A	4.5.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	113	3	5.5.0	Rel-5	Subscribed QoS	approved	A	5.6.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	114	1	3.8.0	R99	Modification of the minimum transfer delay value for traffic class Streaming	approved	F	3.9.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	115	1	4.4.0	Rel-4	Modification of the minimum transfer delay value for traffic class Streaming	approved	A	4.5.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	116	1	5.5.0	Rel-5	Modification of the minimum transfer delay value for traffic class Streaming	approved	A	5.6.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	125		3.8.0	R99	Classes of service vs Traffic classes	approved	F	3.9.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	126		4.4.0	Rel-4	Classes of service vs Traffic classes	approved	A	4.5.0	Quality of Service (QoS) concept and architecture	S2
SP-020531	23.107	127		5.5.0	Rel-5	Classes of service vs Traffic classes	approved	A	5.6.0	Quality of Service (QoS) concept and architecture	S2
SP-020529	23.171	026	1	3.8.0	R99	Privacy class selection flow diagram	approved	F	3.9.0	Location Services (LCS); Functional description; Stage 2 (UMTS)	S2
SP-020529	23.171	028		3.8.0	R99	Wrong numbering in chapter 5.4.3	rejected	F		Location Services (LCS); Functional description; Stage 2 (UMTS)	S2
SP-020532	23.207	040	4	5.4.0	Rel-5	Source IP address filtering for Service Based Local Policy	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020532	23.207	36	1	5.4.0	Rel-5	Modification of IMS Signalling PDP context	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020532	23.207	37	2	5.4.0	Rel-5	SBLP Handling and TFT Processing	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020532	23.207	39	1	5.4.0	Rel-5	Policy control procedures on PDP context modification	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020532	23.207	43	1	5.4.0	Rel-5	Alignment with stage 3	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020532	23.207	45		5.4.0	Rel-5	Alignment with stage 3- RSVP	approved	F	5.5.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020533	23.221	34	1	5.5.0	Rel-5	Change of reference to IPv6 host requirements	approved	F	5.6.0	Architectural requirements	S2

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SP-020534	23.228	175	1	5.5.0	Rel-5	The use of the Secondary PDP Context Activation Procedure for IMS	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	176	2	5.5.0	Rel-5	Modification of IMS Signalling PDP context	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	178	2	5.5.0	Rel-5	Clarification on terminology in 23.228: user and subscriber	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	179		5.5.0	Rel-5	Clarification on registration procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	180	1	5.5.0	Rel-5	Procedures for providing or blocking identity	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	181	1	5.5.0	Rel-5	Corrections on session redirection procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	182	1	5.5.0	Rel-5	Policy control procedures on PDP context modification	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	183	5	5.5.0	Rel-5	Location information in IMS	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	185	1	5.5.0	Rel-5	Re-registration procedures	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	187		5.5.0	Rel-5	Deletion of ISC interface support for control of timers	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	188	2	5.5.0	Rel-5	Support of Originated Requests from Application Servers	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	195	2	5.5.0	Rel-5	Updates to unify draft changes	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	197		5.5.0	Rel-5	Private ID cleanup	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	198	1	5.5.0	Rel-5	ISC cleanup	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	199	1	5.5.0	Rel-5	Emergency sessions	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020534	23.228	202	1	5.5.0	Rel-5	Clarification on Filter Criteria	approved	F	5.6.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020529	23.271	081	7	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 9: General Network Positioning Procedures	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	096		5.3.0	Rel-5	Handling of codeword in case of combined periodical/deferred MT-LR	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	099	1	4.6.0	Rel-4	Privacy procedure correction	approved	D	4.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	100	1	5.3.0	Rel-5	Privacy procedure correction	approved	A	5.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	101	1	4.6.0	Rel-4	Removal of IMS in LCS for call/session related class	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	102	1	5.3.0	Rel-5	Removal of IMS in LCS for call/session related class	approved	A	5.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	105	2	6.0.0	Rel-6	Type indicator for LCS client name and requestor identity	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	110	1	5.3.0	Rel-5	Clarification of Interworking mechanism between network nodes in different releases	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	111		6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 3, 5 and 6: Abbreviations, General LCS Architecture and LCS Architecture	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	112	1	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 10.5: Interworking mechanism between network nodes in different releases	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	113	1	6.0.0	Rel-6	Introduction of the GMLC - GMLC Lr (roaming) interface: - Clause: 9.1.2/9.1.6: CS-MT-LR/PS-MT-LR Procedures	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	114	1	4.6.0	Rel-4	Receiving the deferred MT-LR for the UE during waiting for the event of the same UE	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	115	1	5.3.0	Rel-5	Receiving the deferred MT-LR for the UE during waiting for the event of the same UE	approved	F	5.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020529	23.271	118		4.6.0	Rel-4	Removing "HSS" and "Le is FFS" from Rel-4 specification	approved	F	4.7.0	Location Services (LCS); Functional description; Stage 2	S2

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SP-020529	23.271	119	2	6.0.0	Rel-6	Introducing the privacy profile register	approved	B	6.1.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020509	23.035	001		3.0.0	R99	Correction of use IST Command message and Call Termination Indication parameter	approved	F	3.1.0	Immediate Service Termination (IST); Stage 2	S3
SP-020509	23.035	002		4.0.0	Rel-4	Correction of use IST Command message and Call Termination Indication parameter	approved	A	4.1.0	Immediate Service Termination (IST); Stage 2	S3
SP-020509	23.035	003		5.0.0	Rel-5	Correction of use IST Command message and Call Termination Indication parameter	approved	A	5.1.0	Immediate Service Termination (IST); Stage 2	S3
SP-020510	33.106	004		5.0.0	Rel-5	clarify interception capabilities	approved	F	5.1.0	Lawful interception requirements	S3
SP-020511	33.107	026		5.3.0	Rel-5	Essential clarification to the Timestamp IE	approved	F	5.4.0	3G security; Lawful interception architecture and functions	S3
SP-020511	33.107	027		5.3.0	Rel-5	Additional X3-interface parameters	approved	F	5.4.0	3G security; Lawful interception architecture and functions	S3
SP-020512	33.108	001		5.0.0	Rel-5	Corrections	approved	F	5.1.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020583	33.203	012		5.2.0	Rel-5	SA handling when the UE changes IP address	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	013		5.2.0	Rel-5	Removal of some editor notes in TS33.203	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	014		5.2.0	Rel-5	Correction to S-CSCF behaviour on Network Authentication Failure	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	015		5.2.0	Rel-5	Correcting the network behaviour in response to an incorrect AUT-S	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	016		5.2.0	Rel-5	Mitigating reflection attacks in IMS	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	017		5.2.0	Rel-5	Protect port number to be assigned by UE in re-registration	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	018		5.2.0	Rel-5	One SA for both TCP and UDP sockets	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	019		5.2.0	Rel-5	Correction of authentication vector distribution procedure	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	020		5.2.0	Rel-5	The definition of the key to be used for HMAC-SHA1-96 within ESP	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	021		5.2.0	Rel-5	Draft-ietf-sip-sec-agree syntax for manually keyed Ipsec	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	022		5.2.0	Rel-5	Update of User Authentication Failure	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020583	33.203	023	-	5.2.0	Rel-5	Update of SA handling procedures	approved	F	5.3.0	3G security; Access security for IP-based services	S3
SP-020436	26.093	007		3.3.0	R99	Correction of Codec Type Names	rejected	F		AMR speech Codec; Source Controlled Rate operation	S4
SP-020436	26.093	008		4.0.0	Rel-4	Correction of Codec Type Names	rejected	A		AMR speech Codec; Source Controlled Rate operation	S4
SP-020436	26.093	009		5.0.0	Rel-5	Correction of Codec Type Names	approved	F	5.1.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-020437	26.103	020	1	5.2.0	Rel-5	TrFO-Signalling for allowed AMR-WB Configurations	approved	F	5.3.0	Speech codec list for GSM and UMTS	S4
SP-020435	26.131	010	1	3.3.0	R99	Removal of wideband telephony from terminal acoustic requirements	approved	F	3.4.0	Terminal acoustic characteristics for telephony; Requirements	S4

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SP-020435	26.131	011	1	4.1.0	Rel-4	Removal of wideband telephony from terminal acoustic requirements	approved	A	4.2.0	Terminal acoustic characteristics for telephony; Requirements	S4
SP-020435	26.131	012		3.3.0	R99	Correction on the ANR requirement for hands-free Ues	rejected	F		Terminal acoustic characteristics for telephony; Requirements	S4
SP-020435	26.131	013	1	4.1.0	Rel-4	Correction on the ANR requirement for hands-free Ues	rejected	A		Terminal acoustic characteristics for telephony; Requirements	S4
SP-020435	26.131	014		5.1.0	Rel-5	Correction on the ANR requirement for hands-free Ues	approved	F	5.2.0	Terminal acoustic characteristics for telephony; Requirements	S4
SP-020435	26.132	012	1	3.4.0	R99	Removal of wideband telephony from terminal acoustic tests	approved	F	3.5.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020435	26.132	013	1	4.2.0	Rel-4	Removal of wideband telephony from terminal acoustic tests	approved	A	4.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020435	26.132	014		3.4.0	R99	Correction on ANR test for hands-free Ues	rejected	F		Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020435	26.132	015	1	4.2.0	Rel-4	Correction on ANR test for hands-free Ues	rejected	A		Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020435	26.132	016		5.2.0	Rel-5	Correction on ANR test for hands-free Ues	approved	F	5.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-020437	26.202	001	2	5.0.0	Rel-5	Consideration of allowed Configurations for AMR-WB	approved	F	5.1.0	AMR speech codec, wideband; Interface to Iu and Uu	S4
SP-020439	26.234	030	2	5.1.0	Rel-5	Correction regarding support for Timed Text	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	032	3	5.1.0	Rel-5	Required RTSP header support	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	034	1	5.1.0	Rel-5	Including bitrate information for H.263	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	035	1	5.1.0	Rel-5	RTCP Reports and Link Aliveness in Ready State	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	036	2	5.1.0	Rel-5	Correction on media and session-level bandwidth fields in SDP	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	037	2	5.1.0	Rel-5	Correction on usage of MIME parameters for AMR	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020439	26.234	038	1	5.1.0	Rel-5	Correction of Mapping of SDP parameters to UMTS QoS parameters (Annex J)	approved	F	5.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020437	28.062	030	1	5.1.0	Rel-5	TFO-Signalling for allowed AMR-WB Configurations	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020437	28.062	031	2	5.1.0	Rel-5	Simplified TFO Decision for AMR-WB	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020438	28.062	033	2	5.1.0	Rel-5	TFO-Signalling for preferred AMR-NB Configurations	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4

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SP-020438	28.062	034		5.1.0	Rel-5	TFO Version Handling	approved	F	5.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020449	32.101	019	-	5.0.0	Rel-5	Introduction of new section “O&M of the UMTS Infrastructure Management”	approved	B	5.1.0	3G Telecom Management principles and high level requirements	S5
SP-020450	32.102	020	-	5.0.0	Rel-5	Correction of diagrams describing entities of the mobile system to be managed	approved	F	5.1.0	3G Telecom Management Architecture	S5
SP-020450	32.102	021	-	5.0.0	Rel-5	IS Template Changes to support new UML Repertoire/Methodology	approved	F	5.1.0	3G Telecom Management Architecture	S5
SP-020450	32.102	022	-	5.0.0	Rel-5	Addition of 3GPP UML Repertoire for IRP: IS	approved	F	5.1.0	3G Telecom Management Architecture	S5
SP-020479	32.102	023	-	5.0.0	Rel-5	Add optional parameters in CORBA Solution Set IDLs	approved	F	5.1.0	3G Telecom Management Architecture	S5
SP-020477	32.111-1	004	-	5.0.0	Rel-5	Add requirements for new clearAlarms() operation in Alarm IRP	approved	B	5.1.0	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	S5
SP-020474	32.111-2	016	-	4.3.0	Rel-4	Remove functionality in the Rel-4 Information Service corresponding to Rel-5 Fault Management requirements	approved	F	4.4.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020477	32.111-2	017	-	5.0.0	Rel-5	Add clearAlarms() operation for Alarm IRP:IS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020478	32.111-2	018	-	5.0.0	Rel-5	Add security alarms support in Alarm IRP: IS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020476	32.111-3	017	-	5.0.0	Rel-5	Addition of "indeterminate" probable cause in IDL definition	approved	F	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020477	32.111-3	018	-	5.0.0	Rel-5	Add clearAlarm and other updates	approved	B	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020479	32.111-3	019	-	5.0.0	Rel-5	Add optional string parameters in CORBA Solution Set	approved	F	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020475	32.111-3	020	-	4.3.0	Rel-4	Correction of CORBA type definition in struct "AlarmInformationIdAndSev"	approved	F	4.4.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020478	32.111-3	021	-	5.0.0	Rel-5	Add security alarms support in Alarm IRP: CORBA SS	approved	B	5.1.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020480	32.111-4	011	-	5.1.0	Rel-5	Alignment with 32.111-2 on Alarm Clearance Functionality	approved	F	5.2.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5

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SP-020454	32.235	003	-	4.2.0	Rel-4	Corrections based on synchronisation of MMS ASN.1 and CDR definition tables	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020454	32.235	004	-	4.2.0	Rel-4	Combine the Recipient MM1 Retrieve Request and Recipient MM1 Retrieve Response CDRs	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020454	32.235	005	-	4.2.0	Rel-4	Alignment of the Message size definition with TS 23.140	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020455	32.235	006	-	4.2.0	Rel-5	Add support of Persistent Network-based storage in MMS charging	approved	B	5.0.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020481	32.300	002	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	S5
SP-020482	32.303	003	-	4.2.0	Rel-4	Corrections to CORBA IDL specification "NotificationIRPSystem"	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-020482	32.303	004	-	5.0.0	Rel-5	Corrections to CORBA IDL specification "NotificationIRPSystem"	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-020479	32.303	005	-	5.0.0	Rel-5	Add optional parameters in CORBA Solution Set	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-020501	32.401	002	-	4.1.0	Rel-4	Alignment with CM TSs of measurement file parameter descriptions and examples	approved	F	4.2.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-020502	32.401	003	-	5.0.0	Rel-5	Description of Alarm IRP usage for performance alarms	approved	C	5.1.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-020502	32.401	004	-	5.0.0	Rel-5	Addition of measurement file XML schema and miscellaneous alignments with CM	approved	B	5.1.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-020503	32.403	007	-	5.0.0	Rel-5	Add Performance Measurement (PM) definitions related to GGSN	withdrawn	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020503	32.403	008	-	5.0.0	Rel-5	Add an optional “Purpose” clause in the measurement template	withdrawn	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020609	32.403	009	-	5.0.0	Rel-5	Introduction of Service Based Performance Measurement Definitions	approved	B	5.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5

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SP-020503	32.403	009	-	5.0.0	Rel-5	Introduction of Service Based Performance Measurement Definitions	reissued	B		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020609	32.403	010	-	5.0.0	Rel-5	Add flexibility in the measurement template for the Measured Object Class (MOC)	approved	C	5.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020503	32.403	010	-	5.0.0	Rel-5	Add flexibility in the measurement template for the Measured Object Class (MOC)	reissued	C		Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020483	32.600	001	-	4.0.0	Rel-5	Add Kernel CM, Revise Basic (adding Active CM) and Bulk CM	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	S5
SP-020483	32.601	001	-	4.0.0	Rel-5	Add Active CM and Update Basic CM requirements	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): requirements	S5
SP-020483	32.602	002	-	4.1.0	Rel-5	Add Active CM and new methodology, Remove CM Notifications (moved to Kernel CM - 32.66x)	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) information service	S5
SP-020483	32.603	006	-	4.3.1	Rel-5	Add Active Basic CM feature - CORBA Solution Set	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	S5
SP-020486	32.611	002	-	5.0.0	Rel-5	Additional Bulk CM IRP requirements for Rel-5	approved	C	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	S5
SP-020486	32.612	003	-	4.2.0	Rel-5	Add Bulk CM IRP IS Enhancements for Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	S5
SP-020484	32.612	003	-	4.2.0	Rel-4	Correction of pre- and post-conditions for the operations getSessionStatus and getSessionLog	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	S5
SP-020485	32.613	005	-	4.2.0	Rel-4	Correction of Mapping fallbackEnabled Qualifier	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	S5

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SP-020486	32.613	006	-	4.2.0	Rel-5	Add Bulk CM IRP CORBA Solution Set Enhancements Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	S5
SP-020487	32.621	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	S5
SP-020488	32.622	006	-	4.3.0	Rel-5	Upgrade to Rel-5 (Add new IS method, MOC name convention)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020488	32.623	004	-	4.2.0	Rel-5	Upgrade the NRM CORBA Solution Set to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set	S5
SP-020488	32.624	009	-	4.4.0	Rel-5	Upgrade the NRM CMIP Solution Set to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) CMIP solution set	S5
SP-020489	32.632	003	-	4.2.0	Rel-5	Upgrade to Rel-5 the Network Resource Model for Core Network Management (add Managed Object Classes (MOCs)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020489	32.633	002	-	4.1.0	Rel-5	Upgrade to Rel-5 the CORBA SS for Core Network NRM (add Managed Object Classes (MOCs)	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	S5
SP-020491	32.641	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	S5
SP-020490	32.642	003	-	4.1.0	Rel-4	UML corrections	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020492	32.642	004	-	4.1.0	Rel-5	Add the new IRP IS methodology defined in 32.102	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5

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SP-020492	32.642	005	-	4.1.0	Rel-5	Add State Management	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020493	32.643	002	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CORBA solution set	S5
SP-020495	32.651	001	-	4.0.0	Rel-5	Upgrade to Rel-5	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): requirements	S5
SP-020494	32.652	006	-	4.3.0	Rel-4	UML corrections	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020496	32.652	007	-	4.3.0	Rel-5	Add State Management	approved	B	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020496	32.652	008	-	4.3.0	Rel-5	Add new IRP IS methodology defined in 32.102.	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020497	32.653	003	-	4.1.0	Rel-5	Upgrade to Rel-5	approved	C	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CORBA solution set	S5
SP-020451	32.802	001	-	5.0.0	Rel-5	Corrections to Abbreviations, Architecuture, Proposed plan, Risks and Annex A clauses.	approved	F	5.1.0	Telecommunication management; User Equipment (UE) management feasibility study	S5
SP-020518	01.01	008	-	8.6.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications	SP
SP-020614	01.01	008	1	8.6.0	R99	Correction to list of specifications	approved	F	8.7.0	GSM Release 1999 Specifications	SP
SP-020515	21.101	011	-	3.8.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-020611	21.101	011	1	3.8.0	R99	Correction to list of specifications	approved	F	3.9.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-020516	21.102	008	-	4.5.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications	SP
SP-020612	21.102	008	1	4.5.0	Rel-4	Correction to list of specifications	approved	F	4.6.0	3rd Generation mobile system Release 4 specifications	SP
SP-020517	21.103	001	-	5.0.0	Rel-5	Correction to list of specifications	revised	F		3rd Generation mobile system Release 5 specifications	SP

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SP-020613	21.103	001	1	5.0.0	Rel-5	Correction to list of specifications	revised	F		3rd Generation mobile system Release 5 specifications	SP
SP-020628	21.103	001	2	5.0.0	Rel-5	Correction to list of specifications	approved	F	5.1.0	3rd Generation mobile system Release 5 specifications	SP
SP-020519	41.102	007	-	4.5.1	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-020615	41.102	007	1	4.5.1	Rel-4	Correction to list of specifications	approved	F	4.6.0	GSM Release 4 specifications	SP
SP-020520	41.103	001	-	5.0.0	Rel-5	Correction to list of specifications	revised	F		GSM Release 5 specifications	SP
SP-020616	41.103	001	1	5.0.0	Rel-5	Correction to list of specifications	approved	F	5.1.0	GSM Release 5 specifications	SP
TP-020184	34.108	122	-	3.8.0	R99	Alignment of reference configurations on S-CCPCH with default system information messages	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	123	-	4.3.0	Rel-4	Alignment of reference configurations on S-CCPCH with default system information messages	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	124	-	3.8.0	R99	Addition of reference compressed mode pattern	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	125	-	4.3.0	Rel-4	Addition of reference compressed mode pattern	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	126	-	3.8.0	R99	Corrections to default message contents as T1S-020346rev1	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	127	-	4.3.0	Rel-4	Corrections to default message contents as T1S-020347rev1	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	128	-	3.8.0	R99	Additional default message contents for RF Testing	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	129	-	4.3.0	Rel-4	Additional default message contents for RF Testing	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	130	-	3.8.0	R99	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	131	-	4.3.0	Rel-4	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL message	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	132	-	3.8.0	R99	Corrections to clause 6.1 (T1S-020348rev1)	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	133	-	4.3.0	Rel-4	Corrections to clause 6.1 (T1S-020349rev1)	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	134	-	3.8.0	R99	Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	135	-	4.3.0	Rel-4	Introduction of reference configurations on S-CCPCH and PRACH with two interactive PS domain RABs	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	136	-	3.8.0	R99	Removal of reference radio bearer configurations for unidirectional streaming CS RABa above 64 kbps	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	137	-	4.3.0	Rel-4	Removal of reference radio bearer configurations for unidirectional streaming CS RABa above 64 kbps	approved	A	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	138	-	4.3.0	Rel-5	RAB Combinations for IMS Services	rejected	F		Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	139	-	3.8.0	R99	Some corrections and updates in clause 6.1 TS 34.108 for TDD mode	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	140	-	4.3.0	Rel-4	Some corrections and updates in clause 6.1 for TDD mode	approved	F	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020184	34.108	141	-	3.8.0	R99	Inclusion of default message contents for RF in clause 9.2 for TDD mode	approved	F	3.9.0	Common test environments for User Equipment (UE) conformance testing	T1

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TP-020184	34.108	142	-	4.3.0	Rel-4	Inclusion of default message contents for RF in clause 9.2 for TDD mode	approved	F	4.4.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020185	34.121	177	-	3.9.0	R99	Addition of sub clause 8.7.6.2 – UE Rx-Tx time difference type 2	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	178	-	3.9.0	R99	Addition of test case Cell reselection in CELL_PCH	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	179	-	3.9.0	R99	Addition of test case Transport format combination selection in UE	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	180	-	3.9.0	R99	Maintenance of Re-selection and handover test cases	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	181	-	3.9.0	R99	Correction of test parameters of Handover to inter-frequency cell test case	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	182	-	3.9.0	R99	Addition of details for RRM test case 8.7.3C (UE transmitted power)	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	183	-	3.9.0	R99	Corrections to clause 6 and 7 for editorial errors	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	184	-	3.9.0	R99	Correction to clause 8.2.2 Cell Re-Selection	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	185	-	3.9.0	R99	Correction to clause 8.3.1 FDD/FDD Soft Handover	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	187	-	3.9.0	R99	Correction to clause 8.6.1.1 Event triggered reporting in AWGN propagation conditions	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	188	-	3.9.0	R99	Correction to clause 8.6.1.2 Event triggered reporting of multiple neighbours in AWGN propagation condition	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	189	-	3.9.0	R99	Correction to clause 8.6.1.3 Event triggered reporting of two detectable neighbours in AWGN propagation	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	190	-	3.9.0	R99	Correction to clause 8.6.1.4 Correct reporting of neighbours in fading propagation condition	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	191	-	3.9.0	R99	Correction to clause 8.6.2.1 Correct reporting of neighbours in AWGN propagation condition	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	192	-	3.9.0	R99	Correction to clause 8.7.1 CPICH RSCP	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	193	-	3.9.0	R99	Correction to clause 8.7.2 CPICH Ec/Io	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	194	-	3.9.0	R99	Correction of test case 'Rx-Tx time difference type 1'.	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	195	-	3.9.0	R99	FDD/TDD Handover Test Case	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	196	-	3.9.0	R99	Test Requirements for Cell Re-Selection in URA_PCH	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	197	-	3.9.0	R99	Correction to clause 8.3.7 Cell Re-selection in URA_PCH and Improvements to the test procedure to cope with error recovery	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	198	-	3.9.0	R99	Segmented Measurement to be allowed for Inner Loop Power Control test	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	199	-	3.9.0	R99	Correction to clause 8.4.1 RRC Re-establishment delay	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-020185	34.121	200	-	3.9.0	R99	Correction to clause 8.7.3 UTRA Carrier RSSI	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	201	-	3.9.0	R99	Correction to clause 8.7.4 and 8.7.5 SFN-CFN/SFN observed time difference	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	202	-	3.9.0	R99	Addition of a set of Compressed mode reference pattern 2 parameters	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	203	-	3.9.0	R99	Correction of Compressed Mode Performance Requirement	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	204	-	3.9.0	R99	Tx Power level control during Rx testing	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	205	-	3.9.0	R99	Deletion of some suclauses from F.6.1 Statistical testing of receiver BER/BLER performance	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	206	-	3.9.0	R99	Correction to clause 8.3.5 Cell Re-selection in CELL_FACH	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	207	-	3.9.0	R99	Test Requirements for Cell Re-Selection in CELL-FACH	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	208	-	3.9.0	R99	Calculation of Test Requirements for Cell Re-Selection in CELL_FACH, CELL_PCH and URA_PCH	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	209	-	3.9.0	R99	Clarification of the definition of 90 % success rate	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020185	34.121	210	-	3.9.0	R99	Update of test requirement derivation of Downlink compressed mode test case	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020192	34.121	211	-	3.9.0	R99	Correction of regional note in Annex J.1	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020186	34.122	104	-	3.8.0	R99	Message Content for TDD Handover Test Cases	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020186	34.122	105	-	4.4.0	Rel-4	Message Content for TDD Handover Test Cases	approved	A	4.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020186	34.122	106	-	3.8.0	R99	General corrections for power definitions and test procedures.	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020186	34.122	107	-	4.4.0	Rel-4	General corrections for power definitions and test procedures.	approved	F	4.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020186	34.122	108	-	3.8.0	R99	Correction to Receiver Spurious Emission Test Case	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020186	34.122	109	-	4.4.0	Rel-4	Correction to Receiver Spurious Emission Test Case	approved	A	4.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020193	34.123-1	258	-	5.0.1	Rel-5	Corrections to Inter-frequency measurement test cases (8.4.1.24, 8.4.1.25, 8.4.1.26)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	259	-	5.0.1	Rel-5	Change to test case 8.4.1.31	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	260	-	5.0.1	Rel-5	Corrections to clause 6.1.1.4 for Package 1 (Idle Mode)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	261	-	5.0.1	Rel-5	Corrections to clause 6.1.1.5 for Package 3 (Idle Mode)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020193	34.123-1	262	-	5.0.1	Rel-5	Corrections to clause 6.1.1.1 and 6.1.1.2 (Idle Mode)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	263	-	5.0.1	Rel-5	Addition of ITU Band 3 reference test frequencies to Table 6.3	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	264	-	5.0.1	Rel-5	Correction to MAC clause 7.1.2.1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	265	-	5.0.1	Rel-5	Correction to MAC test cases 7.1.1.2 and 7.1.1.8	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	266	-	5.0.1	Rel-5	Corrections to clause 7.2 for Package 1 test cases (RLC)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	267	-	5.0.1	Rel-5	Corrections to package1 test cases in clause 8.1 as T1S-020352rev1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	268	-	5.0.1	Rel-5	CR to package1 clause 8.2 of TS34.123-1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	269	-	5.0.1	Rel-5	Corrections to package 1 TCs in clause 8.4 of TS 34.123-1 as T1S-020355rev1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	270	-	5.0.1	Rel-5	Corrections to Clause 8.1.10 for Package 2 (System Information)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	271	-	5.0.1	Rel-5	Corrections to clause 8.3.7.1- 8.3.7.4 for Package 2 test cases (Inter System HO)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	272	-	5.0.1	Rel-5	Corrections to non-package1&2 clause 8.1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	273	-	5.0.1	Rel-5	CR to non-package1&2 clause 8.2 of TS34.123-1 (merging T1S-020469 and TC 8.2.6.21 and 8.2.6.22 of T1S-020407)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	274	-	5.0.1	Rel-5	Corrections to clause 6 for Package 2 (Idle Mode)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	275	-	5.0.1	Rel-5	Correction of package 2 test case in clause 8.3.1.4, SS cell update waiting timer	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	276	-	5.0.1	Rel-5	Corrections to package1 test cases in clause 8.3	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	277	-	5.0.1	Rel-5	CR to package2 clause 8.2 of TS34.123-1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020193	34.123-1	278	-	5.0.1	Rel-5	Corrections to non-package 1&2 TCs in clause 8.3 of TS 34.123-1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	279	-	5.0.1	Rel-5	Corrections to non-package 1&2 TCs in clause 8.4 of TS 34.123-1 (merging T1S-020458 and T1S-020363)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	280	-	5.0.1	Rel-5	Additional test case for timing re-initialised inter-frequency handover	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	281	-	5.0.1	Rel-5	Corrections to reference compressed mode pattern	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	282	-	5.0.1	Rel-5	Introduction of test cases for additional reference configuration on S-CCPCH and PRACH	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	283	-	5.0.1	Rel-5	Removal of test cases for unidirectional streaming CS RABs above 64 kbps	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	284	-	5.0.1	Rel-5	Clarification of package 1 and 2 RB test cases.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	285	-	5.0.1	Rel-5	Details of radio bearer tests in clause “14.4 Combinations on SCCPCH” and “14.5 Combinations on PRACH”	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	286	-	5.0.1	Rel-5	Corrections to package 3 RB test cases 14.2.43.1, 14.2.49.1 and 14.2.51.1.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	287	-	5.0.1	Rel-5	Addition of details for package 3 RB test cases	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	288	-	5.0.1	Rel-5	Corrections to package 3 RB test cases 14.2.5a and 14.2.7a.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	289	-	5.0.1	Rel-5	Update of radio bearer test cases as per new RB test method	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	290	-	5.0.1	Rel-5	Correction for test case 14.2.38.2	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	291	-	5.0.1	Rel-5	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (40ms TTI).	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	292	-	5.0.1	Rel-5	New Tests for Radio Bearers 14.2.38d and 14.2.57.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	293	-	5.0.1	Rel-5	New tests for radio bearers 23a, 38a, 38b, 38e, 51a & 51b	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020194	34.123-1	294	-	5.0.1	Rel-5	Clause 8, editorial changes to table format	approved	D	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	295	-	5.0.1	Rel-5	Corrections and modifications to clause 9 of Package 2 test cases (MM)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	296	-	5.0.1	Rel-5	Corrections to package 2 test cases in clause 8.3 (T1S-020494rev1)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	297	-	5.0.1	Rel-5	Corrections to package 2 TCs in clause 8.4 of TS 34.123-1 (T1S-020495rev1)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	298	-	5.0.1	Rel-5	Additional test cases in clause 8 of TS34.123-1 as T1S-020365rev1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	299	-	5.0.1	Rel-5	Update of Conformance requirement in test case 11.1.1.1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	300	-	5.0.1	Rel-5	Minor corrections and editiorial modifications in clause 11.2 PDP context modification procedure	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	301	-	5.0.1	Rel-5	Addition of ICS/IXIT statement in Secondary PDP context activation procedures	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	302	-	5.0.1	Rel-5	Editorial corrections in test case 11.2.3.1.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	303	-	5.0.1	Rel-5	Test case 11.1.2: Correction in 'Test procedure'	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	304	-	5.0.1	Rel-5	Modifications and corrections of GMM test case	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	305	-	5.0.1	Rel-5	Corrections to SMS test cases in clause 16.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020187	34.123-1	306	-	5.0.1	Rel-5	Clarifications in PDP Context deactivation test cases (revision of T1S020450)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	307	-	5.0.1	Rel-5	Update of clause 8.3 for TDD mode	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	308	-	5.0.1	Rel-5	New tests for radio bearers 38c, 56 and 58	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020193	34.123-1	309	-	5.0.1	Rel-5	CR to section 16.1.6 & 16.2.6: Addition of test of short message type 0 (CS/PS) R99 and REL-4	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020189	34.123-2	075	-	5.0.0	Rel-5	Correction of applicability table for secondary PDP context activation test cases	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	076	-	5.0.0	Rel-5	Update of applicability of MAC and RLC test cases	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	077	-	5.0.0	Rel-5	Correction to GMM applicability.	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	078	-	5.0.0	Rel-5	Update of applicability tables due to changed and new test cases	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	079	-	5.0.0	Rel-5	Clarification to applicability statements for FDD Interoperability Radio Bearer test cases	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	080	-	5.0.0	Rel-5	Removal of test cases for unidirectional streaming CS RABs above 64 kbps	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	081	-	5.0.0	Rel-5	CR to RRC applicability of TS34.123-2 as T1S-020364rev1	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	082	-	5.0.0	Rel-5	Update of Table of Applicability of tests for RRC connection mobility procedure, 8.3.3, 8.3.5, 8.3.6 and 8.3.7 for TDD (both modes)	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020189	34.123-2	083	-	5.0.0	Rel-5	CR to section 4 Table 1: Addition of test of short message type 0 (CS/PS) R99 and REL-4	approved	F	5.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020203	21.904	010	-	3.4.0	R99	CR to include references for UMTS_AMR2 Codec	approved	F	3.5.0	User Equipment (UE) capability requirements	T2
TP-020204	23.040	061	-	5.4.0	Rel-5	Error in MS example error	approved	F	5.5.0	Technical realization of Short Message Service (SMS)	T2
TP-020204	23.040	062	-	5.4.0	Rel-6	Identification of a directory number in the User Data Field	approved	F	6.0.0	Technical realization of Short Message Service (SMS)	T2
TP-020204	23.041	011	-	5.0.0	Rel-6	Identification of a directory number in a CBS-Message-Information-Page	revised	F		Technical realization of Cell Broadcast Service (CBS)	T2
TP-020252	23.041	011	1	5.0.0	Rel-6	Identification of a directory number in a CBS-Message-Information-Page	approved	F	6.0.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-020202	23.057	119	-	6.0.0	Rel-6	CC/PP section cleanup	approved	D	6.1.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020202	23.057	120	-	6.0.0	Rel-6	Adding new attributes to the JAR manifest file	approved	C	6.1.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020202	23.057	121	-	5.0.0	Rel-5	Adding new attributes to the JAR manifest file	approved	C	5.1.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020237	23.140	083	-	5.3.0	Rel-5	MMS UA behaviour with respect to handling MMS notification parameters stored on the USIM	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	083	-	5.3.0	Rel-5	MMS UA behaviour with respect to handling MMS notification parameters stored on the USIM	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

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TP-020237	23.140	084	-	4.7.0	Rel-4	Handling of MMS-related information on the USIM	approved	B	4.8.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	084	-	4.6.0	Rel-4	Handling of MMS-related information on the USIM	withdrawn	B		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	085	-	5.3.0	Rel-5	Correction of MM7 Schema	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	085	-	5.3.0	Rel-5	Correction of MM7 Schema	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	086	-	5.3.0	Rel-5	Reference Update	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	086	-	5.3.0	Rel-5	Reference Update	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	087	-	5.3.0	Rel-5	MMS UA behaviour for handling number of MMS connectivity parameters sets on the USIM	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	087	-	5.3.0	Rel-5	MMS UA behaviour for handling number of MMS connectivity parameters sets on the USIM	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	088	-	5.3.0	Rel-5	Corrections for MM7 submit request/response examples	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	088	-	5.3.0	Rel-5	Corrections for MM7 submit request/response examples	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	089	-	5.3.0	Rel-5	Binary Encoding of MMS User Preferences for Storage on the USIM	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	089	-	5.3.0	Rel-5	Binary Encoding of MMS User Preferences for Storage on the USIM	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	090	-	5.3.0	Rel-5	Corrections towards MM7 Stage 3 examples	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	090	-	5.3.0	Rel-5	Corrections towards MM7 Stage 3 examples	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	091	-	5.3.0	Rel-5	Changes to the support of MAP operations for recipient MSISDN address resolution based on IMSI.	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	091	-	5.3.0	Rel-5	Changes to the support of MAP operations for recipient MSISDN address resolution based on IMSI.	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	092	-	5.3.0	Rel-5	Acknowledgements for unconfirmed transactions	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	092	-	5.3.0	Rel-5	Acknowledgements for unconfirmed transactions	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020205	23.140	093	-	5.3.0	Rel-5	Time stamp definition and time clarification	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020237	23.140	093	-	5.3.0	Rel-5	Time stamp definition and time clarification	approved	F	5.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020217	03.19	A020	-	8.4.1	R99	Correction of incorrect integrated CR	approved	F	8.5.0	GSM API for SIM toolkit stage 2	T3
TP-020218	11.11	A132	-	8.7.0	R99	Inconsistent record length of EF(IMG)	approved	F	8.8.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-020208	21.111	007	-	3.3.0	R99	Clarification on the use of the USIM and the SIM	approved	F	3.4.0	USIM and IC card requirements	T3
TP-020208	21.111	008	-	4.0.0	Rel-4	Clarification on the use of the USIM and the SIM	approved	A	4.1.0	USIM and IC card requirements	T3
TP-020208	21.111	009	-	5.0.0	Rel-5	Clarification on the use of the USIM and the SIM	approved	A	5.1.0	USIM and IC card requirements	T3

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TP-020209	23.048	020	-	5.3.0	Rel-5	Maximum number of channels allowed for this applet instance	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	021	-	5.3.0	Rel-5	Clarification on computation of DES in CBC mode	approved	A	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	022	-	5.3.0	Rel-5	Clarification on Put Key command	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	023	-	5.3.0	Rel-5	USIM specific behaviour for Response Packets (Using SMS_PP)	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	024	-	5.3.0	Rel-5	Toolkit Access with modified secret code status	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	025	-	5.3.0	Rel-5	Clarification on letter “n” describing the length of parameters of the Install(Install) command	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020209	23.048	026	-	5.3.0	Rel-5	Minimum Security Level for the Remote Management Applications and Access conditions for Remote File Management Application.	approved	F	5.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020235	31.101	024	-	5.0.0	Rel-6	Increase of the ME/UICC interface speed for release 6	approved	B	6.0.0	UICC-terminal interface; Physical and logical characteristics	T3
TP-020210	31.102	115	-	4.5.0	Rel-4	Clarification of UICC presence detection	approved	F	4.6.0	Characteristics of the USIM Application	T3
TP-020210	31.102	116	-	5.1.0	Rel-5	Clarification of UICC presence detection	approved	A	5.2.0	Characteristics of the USIM Application	T3
TP-020210	31.102	117	-	4.5.0	Rel-4	Correction and clarification of MMS features	approved	F	4.6.0	Characteristics of the USIM Application	T3
TP-020210	31.102	118	-	5.1.0	Rel-5	Correction and clarification of MMS features	approved	A	5.2.0	Characteristics of the USIM Application	T3
TP-020210	31.102	119	-	3.9.0	R99	Use of USIM by 3G/GSM ME	approved	F	3.10.0	Characteristics of the USIM Application	T3
TP-020210	31.102	120	-	4.5.0	Rel-4	Use of USIM by 3G/GSM ME	approved	A	4.6.0	Characteristics of the USIM Application	T3
TP-020210	31.102	121	-	5.1.0	Rel-5	Use of USIM by 3G/GSM ME	approved	F	5.2.0	Characteristics of the USIM Application	T3
TP-020210	31.102	122	-	4.5.0	Rel-4	Collection of essential corrections	approved	F	4.6.0	Characteristics of the USIM Application	T3
TP-020210	31.102	123	-	5.1.0	Rel-5	Collection of essential corrections	approved	A	5.2.0	Characteristics of the USIM Application	T3
TP-020210	31.102	124	-	3.9.0	R99	Collection of essential corrections	approved	F	3.10.0	Characteristics of the USIM Application	T3
TP-020211	31.103	001	-	5.0.0	Rel-5	Corrections	approved	F	5.1.0	Characteristics of the ISIM application	T3
TP-020212	31.111	071		5.1.0	Rel-5	Reservation of a range of tag values for RFU	approved	F	5.2.0	USIM Application Toolkit (USAT)	T3
TP-020212	31.111	072	-	4.7.0	Rel-4	CR 31.111 Rel4 – correction of Run AT command description	approved	D	4.8.0	USIM Application Toolkit (USAT)	T3
TP-020212	31.111	073	-	5.1.0	Rel-5	CR 31.111 Rel5 – correction of Run AT command description	approved	A	5.2.0	USIM Application Toolkit (USAT)	T3
TP-020213	31.113	018	-	5.3.0	Rel-5	Reference to non existing local pages	approved	F	5.4.0	USAT interpreter byte codes	T3
TP-020213	31.113	019	-	6.0.0	Rel-6	Reference to non existing local pages	approved	A	6.1.0	USAT interpreter byte codes	T3
TP-020213	31.113	020	-	5.3.0	Rel-5	Clarification of Execute USAT Command	approved	F	5.4.0	USAT interpreter byte codes	T3
TP-020213	31.113	021	-	6.0.0	Rel-6	Clarification of Execute USAT Command	approved	A	6.1.0	USAT interpreter byte codes	T3
TP-020213	31.113	022	-	5.3.0	Rel-5	Handling of operational pull messages and post mode	approved	F	5.4.0	USAT interpreter byte codes	T3
TP-020213	31.113	023	-	6.0.0	Rel-6	Handling of operational pull messages and post mode	approved	A	6.1.0	USAT interpreter byte codes	T3
TP-020213	31.113	024	-	6.0.0	Rel-6	Terminal Response Handler Modifier exception mechanism enhancement.	approved	B	6.1.0	USAT interpreter byte codes	T3
TP-020214	31.114	003	-	5.1.0	Rel-5	Handling of operational pull messages and post mode	approved	F	5.2.0	USAT interpreter protocol and administration	T3
TP-020209	31.115	001		6.0.0	Rel-6	Editorial corrections to remove some duplicate specification work	approved	D	6.1.0	Secured packet structure for (U)SIM Toolkit applications	T3
TP-020209	31.116	001	-	6.0.0	Rel-6	USIM specific behaviour for Response Packets (Using SMS-PP)	approved	F	6.1.0	Remote APDU Structure for (U)SIM Toolkit applications	T3

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TP-020215	31.121	008	-	4.1.0	Rel-4	Correction of coding of EF ACMMax	approved	A	4.2.0	UICC-terminal interface; USIM application test specification	T3
TP-020215	31.121	009	-	3.2.0	R99	Correction of coding of EF ACMMax	approved	F	3.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020215	31.121	010	-	4.1.0	Rel-4	Correction of number of bytes of EF Keys	approved	A	4.2.0	UICC-terminal interface; USIM application test specification	T3
TP-020215	31.121	011	-	3.2.0	R99	Correction of number of bytes of EF Keys	approved	F	3.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020215	31.121	012	1	4.1.0	Rel-4	Defintion of short message	approved	A	4.2.0	UICC-terminal interface; USIM application test specification	T3
TP-020215	31.121	013	1	3.2.0	R99	Defintion of short message	approved	F	3.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020216	31.122	009	-	3.3.0	R99	Expected remainder of returned data string	approved	F	3.4.0	USIM conformance test specification	T3
TP-020216	31.122	010	-	3.3.0	R99	Corrections and Clarifications	approved	F	3.4.0	USIM conformance test specification	T3
TP-020216	31.122	011	-	3.3.0	R99	Correction of error in read binary test case for T=0	approved	F	3.4.0	USIM conformance test specification	T3
TP-020216	31.122	012	-	3.3.0	R99	Alignement of conformance requirement due to CR 088 on 102 221	approved	F	3.4.0	USIM conformance test specification	T3
TP-020216	31.122	013	-	3.3.0	R99	Correction of case 3/case 4 command tests in case of wrong P1-P2.	approved	F	3.4.0	USIM conformance test specification	T3
TP-020217	43.019	021	-	5.3.0	Rel-5	Clarification of ToolkitException.HANDLER_NOT_AVAILABLE for getCapacity() methods	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	022	-	5.3.0	Rel-5	Clarification on EVENT_FIRST_COMMAND_AFTER_SELECT	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	023	-	5.3.0	Rel-5	Specification alignement with approved change requests	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	024	-	4.2.0	Rel-4	Correction of incorrect integrated CR	approved	F	4.3.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	025	-	5.3.0	Rel-5	Correction of method getChannelIdentifier().	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	026	-	5.3.0	Rel-5	Clarification of handling of statusType parameter by the framework in case of PoR.	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020217	43.019	027		5.3.0	Rel-5	Correction of the example applet	approved	F	5.4.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020218	51.011	011	-	4.4.0	Rel-4	Incomplete EF_ICCID description	approved	F	4.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020218	51.011	012	-	4.4.0	Rel-4	Correction of references and clarification of Scope	approved	F	4.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

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TP-020218	51.011	013	-	4.4.0	Rel-4	Inconsistent record length of EF(IMG)	approved	A	4.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020218	51.011	014	-	4.4.0	Rel-4	Incomplete description of EFECCP	approved	F	4.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020218	51.011	015	-	4.4.0	Rel-4	Introduction of MMS files and procedures	approved	B	4.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version 02/09/26

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1340	WG SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	WG SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1818	WG T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	100%	Yes	No	22.140, 23.140		Josef Laumen, Siemens
1541	WG CN4	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	100%	No	No		Lead given to CN4 from CN...	
2310	TSG GERAN	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	TSG GERAN	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Fri 20/12/02	11%	No	No			
2324	TSG GERAN	Rel4	No	GERAN improvements 4 (Delayed TBF)	GEIMP4	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
1222	WG RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Thu 25/09/03	99%	No	No			G. Yang, CWTS
1322	WG SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	1%	No	No			Alexander Milinski, Siemens
1445	WG T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Tue 28/01/03	6%	Yes	Yes			
41003	WG T1	Rel4	No	Conformance testing of MExE capability (Feasibility study)		TSG	Tue 28/05/02	Tue 28/01/03	0%	No	No			
1631	WG SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
2230	WG CN1	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2403	TSG GERAN	Rel4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 20/12/02	69%	No	No			
2463	TSG CN	Rel4	No	Operator Determined Barring for Packet Oriented Services	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
2546	WG SA2	Rel4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	90%	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	TSG RAN	NA	Yes	Rel-4 Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 21/08/00	Fri 23/08/02	99%	No	No			Francois Courau
12	WG RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1995	WG RAN3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
400004	WG CN4	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	WG CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1513	WG SA2	Rel4	No	FS on Transport and control separation in the PS CN domain		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
401216	TSG RAN	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	99%	No	No			
1509	WG RAN4	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			"T. Kummetz, Mikom; Alf Ahlström, Allgon"
1994	WG RAN1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			A. Toskala, Nokia
401839	WG T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	31%	No	No			
2214	WG 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	TSG RAN	NA	Yes	Rel-4 RAN improvements	RANimp	TSG	Mon 14/08/00	Tue 30/09/03	96%	No	No			
655	WG RAN1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	WG RAN2	Rel4	No	RAB support enhancement 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	WG T1		No	Conformance Test Aspects - Rel-4 RAN Improvements			Tue 01/01/02	Tue 30/09/03	0%	No	No	0%		
402461	WG 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	WG T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression - TTCN	RABimp-RoCH	TSG	Tue 28/05/02	Mon 30/06/03	0%	No	No	34.123-3	UID changed	
41007	WG T1	Rel4	No	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.123-1, -2		
41008	WG T1	Rel4	No	Testing of Extended Robut Header Compression - TTCN	Ext-RoHC	TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.123-3		
401652	WG CN1	NA	Yes	Rel-4 Emergency call enhancements	EMC1	WG	Mon 03/01/00	Tue 28/05/02	64%	No	Yes			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	WG CN1	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	WG T2	NA	Yes	Rel-4 Terminal interfaces	TI		Mon 03/01/00	Thu 15/03/01	99%	No	No			
1827	WG T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.007		
1829	WG T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Wed 14/03/01	100%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	WG T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	WG T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	Yes	No	23.227		Olga Tomé, Ericsson
401536	WG SA2	NA	Yes	Rel-4 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/12/01	99%	No	No			Jan Kall, Nokia
2229	WG T2	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	WG SA2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	WG SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	100%	No	No			
401600	TSG RAN	NA	No	UE positioning Rel-4	LCS1-UEpos	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	Yes		UID changed	
1601	WG RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	No		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	WG RAN2	Rel4	No	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 23/03/01	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
401560	WG T3	NA	Yes	Rel-4 UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 23/03/01	100%	No	No			
1799	WG T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	Yes	No	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
401800	WG T3	NA	Yes	Rel-4 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No		UID changed	
2034	WG T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1587	WG SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	34%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?	?

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1588	WG SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?
401583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	Yes	No		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
401142	WG SA5	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	WG SA5	Rel4	No	Rel4 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	WG SA5	Rel4	No	Rel4 Performance Management	OAM-PM	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	az: WID appr.SA#12.	Karl-Heinz NENNER (T-Mobil)
2081	WG SA5	Rel4	No	Fault Management	OAM-FM	TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4	az: WID appr.SA#10.	Patrick JURÉ (Lucent Technologies)
2082	WG SA5	Rel4	No	Configuration Management	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8	az: WID appr.SA#10.	Thomas TOVINGER (Ericsson)
2083	WG SA5	Rel4	No	Rel4 Charging Management	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz NENNER (T-Mobil)
2071	WG SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	Yes	32.800	az: WID appr.SA#10.	Bert Boden (Mannesmann Mobilfunk)

Annex H: Definition of Release 5, extracted from the Project Plan - version 02/09/26

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 25/09/00	Wed 17/09/03	69%	No	No			
1802	WG 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	WG 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)
2345	TSG GERAN	Rel5	No	Alignment of 3G functional split and Iu	GER3GAL	TSG	Thu 08/06/00	Fri 06/12/02	58%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
50058	TSG GERAN	Rel5	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 19/04/02	Fri 27/06/03	11%	No	No			Gunnar Mildh, Ericsson
50101	TSG GERAN	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
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
401583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	Yes	No		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
401594	WG SA3	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
0		Rel5	No	----- Rel-5 features listed below -----			Mon 03/01/00	Mon 03/01/00	0%	No	No			
625	WG RAN3	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	WG CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	WG RAN2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Wed 04/12/02	96%	No	No			Ravi Kuchibhotla, Motorola
501216	TSG RAN	NA	Yes	Rel-5 Improvements of Radio Interface	RInImp	TSG	Mon 14/08/00	Fri 30/08/02	89%	No	No			
1471	WG RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 14/06/02	100%	Yes	Yes			A. Toskala, Nokia
2469	WG RAN1	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1217	WG RAN2	Rel5	No	Hybrid ARQ II/III	RInImp-HARQ	TSG	Mon 21/08/00	Fri 28/12/01	100%	No	Yes		"Stopped at RAN#14; work on this task was performed as part of High Speed Downlink Packet Access feature"	A. Sitte, Siemens
1221	WG RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
1997	WG RAN4	Rel5	No	FS on UE antenna efficency test method performance requirements	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2494	WG RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson
2493	WG RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 08/03/02	100%	No	No			Shimon Moshavi, Intel
1839	WG T1		No	Conformance Test Spec. improvements in Radio Interface			Mon 18/02/02	Fri 30/08/02	0%	No	No			
2210	WG 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	WG T1	Rel5	No	Testing Hybrid ARQ II/III			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
500009	TSG RAN	NA	Yes	Rel-5 RAN improvements	RANimp	TSG	Fri 16/03/01	Fri 06/09/02	94%	No	No			
656	WG RAN3	Rel5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Fri 28/06/02	100%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
2488	WG RAN3	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2489	WG RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Gert-Jan van Lieshout, Ericsson
23003	WG RAN3	Rel5	No	FS on SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Fri 06/09/02	100%	No	No			Olivier Guyot, Nokia
2490	WG RAN3	Rel5	No	FS on Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	100%	No	No			Antti Toskala, Nokia
2491	WG RAN3	Rel5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Antti Toskala, Nokia
22000	WG RAN2	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	WG RAN1	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	WG RAN1	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	WG RAN1	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
23004	WG RAN3	Rel5	No	UTRAN sharing in connected Mode	NETSHARE		Mon 03/12/01	Fri 06/09/02	100%	No	No			Martin Israelsson, Ericsson
1273	WG SA1	NA	No	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Tue 30/09/03	82%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
1274	WG SA2	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	WG SA3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	66%	No	Yes		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist	Krister Boman, Ericsson
2574	WG SA3	Rel5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	85%	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15. Some editor's notes remain.	Hugh Shieh, AT&T Wireless Services
1299	WG SA3	Rel5	Yes	Lawful interception	IMS-LI	TSG	Mon 04/09/00	Fri 29/03/02	10%	Yes	No		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 scheduled for approval at SA#15 - but not ready for information at SA#14?	Berthold Wilhelm, Reg TP
35007	WG SA5	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	WG SA4	Rel5	No	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	TSG	Wed 26/07/00	Fri 06/12/02	65%	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia
34020	WG SA4	Rel5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia
32003	WG SA2	Rel5	No	SIP message compression			Mon 24/09/01	Fri 07/06/02	56%	No	No			
10001	TSG CN	Rel5	No	Stage 3 description of IMS interfaces			Wed 14/03/01	Fri 30/08/02	94%	No	No			
1310	WG CN5	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	WG CN2	Rel5	Yes	CAMEL control of IMS services	IMS-CAMEL		Mon 16/04/01	Fri 06/09/02	87%	Yes	Yes		SA16: Part of Rel5 only if Si completed in September 02	Angelica Remoquillo, Lucent
35005	WG SA5	Rel5	No	Charging	OAM-CH	TSG	Mon 06/08/01	Thu 12/09/02	70%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
10002	TSG CN	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	WG T1	Rel5	No	Testing of support for IMS - prose	IMS-TEST	TSG	Wed 18/09/02	Mon 31/03/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
41005	WG T1	Rel5	No	Testing of support for IMS - TTCN	IMS-TEST	TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
34001	WG SA4	Rel5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Thu 21/06/01	Fri 06/12/02	37%	No	No	26.233, 26.234		O. Franceschi, Ericsson
501637	WG SA1	NA	Yes	Rel-5 OSA enhancements	OSA1	TSG	Tue 11/07/00	Fri 14/06/02	89%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
1429	WG SA2	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	WG CN5	Rel5	No	Generic user interaction - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-05		
15004	WG CN5	Rel5	No	Charging - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-12		
15007	WG CN5	Rel5	No	"Call Control Service Mapping; Multiparty Call Control SIP - Stage 3"	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.998-04-4		
15999	WG CN5	Rel5	No	WSDL APIs for SOAP/HTTP - Stage 3	OSA2	TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No	29.198, 29.998		
1419	WG SA3	Rel5	No	OSA security	OSA1-SEC	TSG	Tue 11/07/00	Fri 14/06/02	68%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT
401424	WG SA2	Rel5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	96%	No	No			
15005	WG CN5	Rel5	No	Policy Management - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-13		
15006	WG CN5	Rel5	No	Presence and Availability Management (PAM) - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-14		
1786	WG SA1	Rel5	No	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
1638	WG SA1	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 17/04/00	Fri 06/09/02	100%	No	No			Keijo Palviainen, Nokia
2464	WG T2	Rel5	No	Rel-5 MExE enhancements	MEXE5	TSG	Mon 26/03/01	Fri 08/03/02	100%	Yes	Yes			
1625	WG SA4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Mon 02/12/02	71%	No	No			Imre Varga, Siemens AG

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2573	WG T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	Yes	No	23.227		Olga Tomé, Ericsson
1536	WG SA2	Rel5	No	Rel-5 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Mon 30/12/02	71%	No	No			Jan Kall, Nokia
1600	TSG RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 15/01/01	Fri 29/03/02	100%	Yes	Yes			
2474	WG RAN2	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	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
1171	WG SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	88%	No	No			
2436	TSG GERAN	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	TSG GERAN	Rel5	No	Location Services for GERAN in Iu Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
2434	TSG GERAN	Rel5	No	LCS interoperability aspects to GERAN	LCS-GERAN	TSG	Mon 28/08/00	Fri 28/06/02	100%	No	No			
35008	WG SA5	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	WG SA3	Rel5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	15%	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia
32011	WG SA2	Rel5	No	Specification for the Le Interface	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	100%	No	No			
501571	WG SA3	NA	No	Rel-5 Security enhancements	SEC1	TSG	Mon 21/02/00	Fri 28/06/02	54%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1576	WG SA3	Rel5	Yes	Network domain security	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/06/02	54%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP	Geir M. Køien, Telenor
2243	WG SA2	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	TSG GERAN	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	TSG GERAN	Rel5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Fri 06/04/01	Fri 20/12/02	0%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	Alain Ohana, BellSouth

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
501142	WG SA5	NA	No	Rel-5 Charging and OAM&P	OAM	TSG	Mon 10/09/01	Thu 12/09/02	73%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
35002	WG SA5	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	WG SA5	Rel5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Thu 12/09/02	75%	No	No	32.4xy, 52.402	az: Changed Rapporteur	Christian TOCHE (Nortel Networks)
35004	WG SA5	Rel5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Thu 12/09/02	68%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)
35001	WG SA5	Rel5	No	Rel5 Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Thu 12/09/02	55%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson)
2392	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 1 (RLC enhancements)			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2396	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 2 (usage of ECSD)			Mon 06/11/00	Fri 28/06/02	100%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
2412	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GERUEV1		Fri 01/09/00	Fri 28/06/02	100%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC
2416	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	GERUEV2		Fri 01/09/00	Fri 28/06/02	100%	No	No			
2556	WG SA2	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
2569	WG T2	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 07/06/02	75%	Yes	No		support of UAProf, so this in my opinion is 100% complete	
2571	WG T2		No	Multimedia Messaging (MMS) enhancements	MESS5-MMS	TSG	Fri 15/06/01	Fri 07/06/02	73%	Yes	No			Josef Laumen, Siemens
31000	WG SA1	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	TSG GERAN	Rel5	No	GERAN Inter BSC NACC improvements over the Gb Interface	GERNACC		Mon 03/09/01	Fri 28/06/02	100%	No	No			
50033	TSG GERAN	Rel5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 20/12/02	1%	No	No			
50037	TSG GERAN	Rel5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 20/12/02	68%	No	No			
13000	WG CN3	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 - 17/05/02] - % complete to 100% - push end to June 02, (will be complete with approval of CRs in NP#16)	Rune Werner Wiik, Ericsson AS
501800	WG T3	NA	Yes	Rel-5 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 26/09/03	46%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1801	WG T3	Rel5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Wed 22/01/03	64%	Yes	No	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
501802	WG T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 27/09/02	36%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
502031	WG T3	Rel5	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	36%	Yes	Yes			
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	WG SA1	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	WG SA5	NA	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 28/06/02	100%	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone)
35000	WG SA5	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)

Annex I: Current content of Release 6, extracted from the Project Plan - version 02/09/26

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	20%	No	No			
1470	WG RAN1	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	WG RAN4	Rel6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	85%	No	No			
1476	WG RAN4	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	WG RAN2	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	WG RAN2	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	WG RAN1	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	WG RAN4	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	WG RAN4	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	WG RAN4	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	WG RAN1	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	WG RAN1	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	WG RAN4	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	WG RAN1	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	WG RAN1	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
21004	WG RAN1	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
21005	WG RAN1	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	TSG RAN	NA	Yes	RAN improvements	RANimp	TSG	Fri 14/12/01	Mon 30/06/03	19%	No	No			
20999	WG RAN1	Rel6	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 14/12/01	Fri 07/03/03	40%	No	No		RP-020357	Jussi Kähtävä, Nokia
624	WG RAN2	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	WG RAN3	Rel6	No	Improvement of RRM across RNS and RNS/BSS	RRM1	TSG	Mon 25/03/02	Fri 13/12/02	30%	No	No			Woonhee Hwang, Nokia
23006	WG RAN3	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	WG RAN2	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	WG CN1	Rel6	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Fri 28/03/03	16%	No	Yes			Mr Rouzbeh, Ericsson
1653	WG CN1	Rel6	No	For IP & PS based calls	EMC1-PS	TSG	Mon 03/01/00	Fri 28/03/03	16%	Yes	Yes		5/11 Per: This BB is considered between 10-60% ready depending on how the requirements differ from basic call. What is the new target release,-Rel-6?	Mr Rouzbeh, Ericsson
32023	WG SA2	Rel6	No	Location Services enhancements 2	LCS2	TSG	Mon 28/08/00	Mon 30/06/03	6%	No	No			
20001	TSG RAN	Rel6	No	UE positionning	LCS2-UEpos	TSG	Mon 28/08/00	Mon 30/06/03	17%	No	No			
2475	WG RAN2	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
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 25/09/00	Wed 17/09/03	69%	No	No			
2031	WG T3	Rel6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	97%	Yes	Yes			
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 21/02/00	Fri 06/12/02	31%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone
2026	WG SA3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 06/12/02	0%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
33003	WG SA3	Rel6	Yes	Rel-6 MAP application layer security	SEC1-MAPAL	TSG	Mon 21/02/00	Fri 06/12/02	55%	Yes	No		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
32021	WG SA1	Rel6	No	IMS Phase 2			Mon 28/08/00	Fri 19/09/03	14%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
11031	WG CN1	Rel6	No	IMS Stage-3 Enhancements			Fri 20/09/02	Fri 19/09/03	2%	No	No			Keith Drage, Lucent
11032	WG CN1	Rel6	No	"Interoperability and Commonality between IP Multimedia Systems using different ""IP-connectivity Networks""; Stage 3"			Fri 20/09/02	Fri 19/09/03	2%	No	No			Keith Drage, Lucent
32015	WG SA2	Rel6	No	Radio optimisation impacts on PS domain architecture		TSG	Mon 10/12/01	Fri 01/11/02	32%	No	No			
2048	WG CN3	Rel6	No	Interworking between IMS and IP networks	IMS-CCR-IWIP	TSG	Mon 28/08/00	Fri 28/03/03	34%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
2047	WG CN3	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	WG SA2	Rel6	No	IMS Local services			Mon 01/01/01	Fri 29/03/02	100%	No	No	23.228		
13011	WG CN3	Rel6	No	Mm interface (CSCF to external IP multimedia network)			Wed 14/03/01	Fri 21/03/03	50%	No	No			
13013	WG CN3	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Fri 20/12/02	64%	No	No			
14002	WG CN1	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Fri 07/06/02	100%	No	No			
14001	WG CN4	Rel6	Yes	Mc interface (IM-MGW to MGCF) enhancements			Mon 02/09/02	Fri 28/03/03	15%	No	No		[DAB 08-03-02] - No work required in CN4...	
31022	WG SA1	Rel6	No	IMS Messaging	IMSM	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No			Juha Kalliokulju (Nokia)
31025	WG SA1	Rel6	No	IMS Group Management	IMSGM	TSG	Thu 14/03/02	Mon 09/12/02	0%	No	No			Juha Kalliokulju (Nokia)
1365	WG SA1	Rel6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 23/05/03	42%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
42009	WG T2	Rel6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Fri 13/06/03	0%	Yes	No			Josef Laumen, Siemens

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
42005	WG T2	Rel6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Fri 13/06/03	50%	Yes	No			
2062	WG SA5	Rel6	No	Subscription Management	SM	TSG	Fri 29/12/00	Fri 20/12/02	40%	Yes	No	32.140 (Stage 1)	az: SA#15 - Moved to Rel-6 as Stage 2/3 not avail & linkage to GUP which is also moved to Rel-6.	Geoffrey CARYER (BT)
2499	WG SA1	Rel6	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Thu 20/03/03	38%	No	No			Mark Cataldo, Motorola
31028	WG SA1	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	WG SA2	Rel6	No	Emergency calls without UICC/SIM in netw. with IMS			Mon 29/07/02	Fri 14/03/03	0%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)	
50041	TSG GERAN	Rel6	No	Uplink TDOA feasibility study	TDOAF		Fri 30/11/01	Fri 28/06/02	100%	No	No			Bob Gross, TruePosition, Inc.
35009	WG SA5	Rel6	No	Trace Management	Trace Mg	TSG	Thu 15/11/01	Fri 20/12/02	20%	No	No	32.42x, 52.008	az: SA#16 - Moved to Rel-6. WI approved (Feature->BB). Changed Rapporteur/Impacted TSs.	Christian TOCHE (Nortel Networks)
2544	WG SA1	Rel6	No	Multimedia Broadcast and Multicast Service	MBMS		Fri 11/05/01	Fri 27/06/03	26%	No	No		Title renamed at SA#13	
50085	TSG GERAN	Rel6	No	Support of MBMS in GERAN	MBMS-GERAN	TSG	Fri 30/08/02	Fri 27/06/03	0%	No	No			
31006	WG SA1	Rel6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Fri 14/03/03	23%	No	No			
31008	WG SA1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 10/06/03	32%	No	No			
31010	WG SA1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 21/03/03	15%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	WG SA1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Wed 25/12/02	58%	No	No			Fredric Paint, Telenor
31015	WG SA1	Rel6	No	Priority Service	PRIOR		Thu 30/05/02	Fri 14/06/02	38%	No	No			
31018	WG SA1	Rel6	No	Network Sharing	NTShar		Wed 14/11/01	Fri 14/06/02	10%	No	No			
32016	WG SA2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 15/07/02	Fri 21/03/03	6%	No	No			
32017	WG SA2	Rel6	No	Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 21/03/03	6%	No	No			
33002	WG SA3	Rel6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 03/01/00	Thu 12/09/02	0%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1637	WG SA1	NA	Yes	OSA enhancements - To be merged with next one	OSA1	TSG	Tue 11/07/00	Fri 13/12/02	82%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
1433	WG SA2	Rel6	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Tue 11/07/00	Fri 13/12/02	76%	No	No			
2538	WG SA1	NA	No	Interaction with other features		TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2539	WG SA1	Rel6	No	Access to Presence information	OSA1-PI	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2540	WG SA1	Rel6	No	Access to User Profile	OSA1-UP	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2541	WG SA1	Rel6	No	Policy Management	OSA1-PM	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
15010	WG SA1	Rel6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 14/02/02	Fri 19/09/03	3%	No	No	22.127, 29.198, 29.998	.	Jörg Swetina, SIEMENS AG
50401	TSG GERAN	Rel6	No	Addition of frequency bands to GSM	TAPS		Fri 28/06/02	Fri 20/12/02	10%	No	No			Torben Themsen
50130	TSG GERAN	Rel6	No	Seamless support of streaming services in A/Gb mode	SSStrea		Fri 30/08/02	Fri 28/02/03	0%	No	No			José Luis Carrizo Martínez, Vodafone
34300	WG SA4	Rel6	No	Performance characterisation of default codecs for PS conversational multimedia application	CODCAR	TSG	Wed 11/09/02	Fri 20/06/03	0%	No	No	TR 26.9yz	Funding pending	

Annex J: Work Items Currently marked as "Release Independent" in the Project Plan - version 02/09/26

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1861	WG T1	NA	Yes	Miscelleneous UE Conformance Testing Activities	MISTST1		Mon 02/04/01	Mon 03/03/03	44%	No	No			
1862	WG T1	Rel Indep	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	WG T1	Rel Indep	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	TSG RAN	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	99%	No	No			
1996	WG RAN4	Rel indep	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	100%	Yes	Yes			H. Benn, Motorola
2467	WG RAN4	Rel indep	No	UMTS 1900	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 14/12/01	100%	No	No			Howard Benn, Motorola
401839	WG T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	31%	No	No			
2215	WG T1	Rel indep	No	Testing UMTS 1800	RInImp-UMTS18-19	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	WG T1	Rel indep	No	Testing UMTS 1900	RInImp-UMTS18-19	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	WG T1	Rel indep	No	Testing UMTS 1800 - TTCN	RInImp-UMTS18-19	TSG	Mon 17/06/02	Fri 14/03/03	0%	No	No	34.123-3	finish date set	
41001	WG T1	Rel indep	No	Testing UMTS 1900 - TTCN	RInImp-UMTS18-19	TSG	Mon 17/06/02	Fri 14/03/03	0%	No	No	34.123-3	finish date set	
1517	WG SA2	Rel Indep	No	Global Text Telephony	GTT	TSG	Wed 28/06/00	Thu 29/08/02	82%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson