Technical Specification Group Services and System Aspects **TSGS#14(01)0601**
Meeting #14, Kyoto, Japan, 17-20 December 2001

Technical Specification Group Services and System Aspects
Meeting #13, Beijing, China, 24-27 September 2001

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

Title: **Draft Report of meeting #13, version 0.0.6**

Document for: **Information**

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1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the 13th meeting of TSG SA and welcomed delegates to the meeting. Mr. Niel Lily welcomed delegates to the meeting and to Beijing on behalf of Lucent Technologies. A social event had been arranged for Wednesday 26th September at the Great Hall of the People. He wished TSG SA a successful meeting.

2 Approval of the Agenda

TD SP-010400 Draft Agenda for meeting #13. The TSG SA Chairman introduced the agenda. A main target for the meeting was to provide an idea of the content and timing of Release 5.

The TSG SA Chairman announced the 3GPP IPR policy and provided the formal call for declaration of IPRs to members respective SDOs.

3 Approval of the meeting report of TSG SA Meeting # 12

TD SP-010401 Draft Report of meeting #12 - version 0.0.6. The report of the previous meeting was approved. The Secretary was asked to provide the annexes more quickly after the meeting for future reports.

4 Items for immediate consideration

TD SP-010485 Handling of late feature proposals in 3GPP Releases. This was presented by Siemens AG and suggested that a date that is set before the finalisation of a Release, where new features for that Release are to be normally be accepted (e.g. 6 month before the finalisation). After that time, new features should normally be targeted to next Release. There was some support for this proposal and it was commented that the work plan requires to be populated with features, and the WGs should be responsible for providing accurate timescale estimates, from which the content of a Release can be determined. Siemens responded that they requested no large change to the Work Planning, but to provide a cut-off date for new features in a Release, so that the work can be prioritised in the WGs. The TSG SA Chairman summarised that we need to set a target date - SA WG1 usually make a rough estimate at the time needed for a Release, and then SA WG2 would provide feedback which may lead to a revision of the dates. It was also commented that the work loads of the WGs need to be taken into account before adding more features to a Release and when deciding on the target date for a Release. The document was then noted, and it was recognised that it was in line with existing principles, and WGs were reminded to be realistic when providing target dates for completion of Work Items.

5 Reports from TSG SA ad-hoc meetings

There were no contributions under this agenda item.

6 Letters / Reports from other groups

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

6.2 Partners and their bodies

TD SP-010403 Letter from ETSI-BRAN Chairman to SA: Interworking collaboration between ETSI-BRAN and 3GPP. The TSG SA Chairman presented the liaison in the absence of a delegate from ETSI EP-BRAN. ETSI EP-BRAN invited 3GPP to start collaboration, with the aim of creating the necessary interworking functionality between 3GPP and advanced WLAN technologies. The SA WG2 Chairman reported that this had been discussed in SA WG2, but that they had decided to leave the in-depth discussion to TSG SA. The TSG RAN Chairman reported that there were some requirements implied on the Iu interface. It was noted that a proposed WI related to this was provided in TD SP-010588 and that a response Liaison Statement was intended to be produced, depending on the result of discussions, in TD SP-010583.

TD SP-010481 ETSI-BRAN / UMTS Interworking. This LS further elaborated on the LS provided in TD SP-010403 and provided two potential options for HIPERLAN2 - UMTS interworking. It was considered that the HIPERLAN technology was a restrictive choice and that the proposal should be considered in a

more generic way to include other suitable WLAN technologies. It was also commented that the IETF specifications were in need of update to fulfil the 3GPP Security requirements and could not be simply selected as they are. The Access Control requirements would also need to be clarified and should be considered by operators. It was agreed that no action should be taken until the issues are clarified and the requirements and impacts are better understood. It was also noted that a proposal for a WI on this was provided in TD SP-010588.

It was noted that the next ETSI EP-BRAN meeting was 23-25 October at ETSI headquarters, Sophia Antipolis, France.

TD SP-010583 (revision of TD SP-010489) This was updated to clarify that a work item is attached rather than a feasibility study report, in TD SP-010589 . This was updated to source TSG SA and provided in TD SP-010593 and was approved.

TD SP-010404 LS from SPAN-11 WP NAR to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce. This LS requested advice on the need for and requirements of MNCs for mobile and electronic commerce use. It was noted that a LS had been produced by TSG SA on this subject before and that the response did not appear to have been fully understood. e- and m-commerce operators can either be a mobile operator or another type of operator, and the allocation of MNCs would be dependent upon this status. It was suggested that a response was produced indicating that the use of MNCs would provide problems on the availability of numbers and the LS provided in TSG #12 (TD SP-010366) should be used as a basis of a response, and to suggest a small meeting of interested people to explain how the 3GPP system uses MNCs. The ETSI OCG meeting was suggested as a good forum for this meeting. This was provided in TD SP-010544 which was approved. TSG CN were asked to consider whether a warning needs to be included in their specifications about the backward compatibility issues with MNCs (23.003, 24.008, 29.002, etc.)

It was noted that GSM Europe (part of GSMA) was commenting on the m- and e-commerce issues relating to the use of MNCs and may be able to provide more information to ETSI SPAN-11.

TD SP-010405 LS from GSMA SerG to SA: Hand over scenario's between 2G and 3G networks. This was presented by the TSG SA Chairman and requested information from TSG SA on Charging principles for 3 different handover scenarios. SerG believed as a general principle that charging should be based upon the service delivered rather than the technology used to deliver those services. It was agreed that a response would be produced to discuss the handover scenarios and related charging aspects from the 3GPP viewpoint. This was provided in TD SP-010576 which was updated to remove Proposed in the title and update the source corrected to TSG SA and was provided in TD SP-010578 which was approved.

TD SP-010406 LS from ETSI TIPHON to SA: Convergence of QoS approaches in 3GPP and TIPHON. This was presented by the TSG SA Chairman and discussed the requirements for end-to-end QoS identified for TIPHON and the work needed on SIP/SDP in the IETF. It was recognised that the IETF should receive requirements from TIPHON and 3GPP in a co-ordinated way in order to eliminate incompatible requirements on the IETF specifications that will be used by both bodies. The SA WG5 Chairman requested the LS be considered in SA WG5 in order to analyse the TMN aspects of the QoS requirements. This request was noted. SA WG2 were asked to consider this further (SA WG1 and SA WG2 were copied on this LS).

TD SP-010520 Liaison Statement from EPP MESA steering committee#03 to 3GPP and 3GPP2. This LS cited the terrible events, which occurred on 11th September 2001, and stated that wireless technology can provide reliable and resilient emergency services and can be swiftly set up and adapted to meet emergency situations. The LS was provided for information and introduced by Mr. J Fenn, and was noted.

6.3 Others

TD SP-010412 New ITU-T SG 16 work on Distributed Speech Recognition (DSR) and Distributed Speaker Verification (DSV). This was presented by the TSG SA Chairman and reported that the ITU-T SG 16 had agreed to open a new Question and to increase the scope of the work to include Distributed Speaker Verification (DSV). The text of the new Question 15/16 was attached for information and comment. The document was noted. SA WG4 were copied on the LS

TD SP-010483 Release 5 Content and Timing With Respect to IMS. This was provided by 3G.IP and was provided for information. The contribution proposes that from the MRP viewpoint, It is essential that Release 5 contains at least an initial release of IMS capabilities; If the existing Release 5 dates cannot be met, a firm target no later than March 2002 shall be set and 3GPP should prioritise Release 5 capabilities and 3GPP resources should be focused on priority items in order to meet these requirements. The document was noted and taken into account under agenda item 8.8 on Release 5 content.

TD SP-010525 Report on activities of IETF (Presentation). This was presented by I. Leuca (the IETF Liaison Officer). The presentation made a recommendation to reach a consensus on the IETF-3GPP process:

Check the completeness of the list and assign priorities - Companies should do this off-line do and feed back to I. Leuca.

Assign IETF-draft owners for the R5 important documents: It was thought better to continue as we are, in order not to delay our work.

Schedule a conference call with Ads: - This was considered to be a task of TSG CN who were asked to consider this recommendation.

I. Leuca was thanked for her comprehensive report to TSG SA and the presentation was then noted.

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-010427 Status report of SA1 to SA #13. This was presented by the SA WG1 Chairman using the slides provided in TD SP-010426.

~~Concerning IMS, clarification was requested on the use of two separate (CS and PS) MM state machines which provided more complexity. It was noted that no work had been done in CN WG1 to provide for separate state machines.~~Related to SA WG1 and SA WG2 dialogue on IM CN Subsystem Roaming, it was mentioned that there is risk that this could lead into usage of three separate MM state machines and increase the system complexity. SA WG1 and SA WG2 were asked to include CN WG1 in this dialogue. From the SA WG1 point of view, it was clarified that this discussion started on the need to separate IMS and PS access.

It was clarified that the UE Functionality split was still in early stages of defining what the requirements are and was unlikely to be available for March 2002.

The SA WG1 Chairman was thanked for presenting the report, which was then noted.

7.1.2 Questions for advice from TSG SA WG1

TD SP-010407 LS from SA WG1 to ETSI-BRAN, cc SA : Reply to ETSI Project Broadband Radio Access Networks (EP BRAN). This LS was provided for information and was noted.

TD SP-010408 LS from SA WG1 to SA: IP Based Multimedia Services Framework Report. This LS was provided for information and was noted.

TD SP-010411 IP Based Multimedia Services Framework Report TR 22.941 Call For Contributions. This was presented by T. Kokkola on behalf of R. Wohlert, who could not attend this meeting due to travel restrictions.

It was clarified that the ~~TS~~ TR had been provided to all 3GPP groups in order that all aspects are checked and contributed to where appropriate. The presentation was then noted.

TD SP-010414 IP Based Multimedia Services Framework (TR 22.941) Report Work Plan. This was provided for information as a companion document to TD SP-010411, and was noted. Delegates were asked to consider the draft of 22.941, attached to TD SP-010408 and provide contribution on this to progress the work in SA WG1.

7.1.3 Approval of contributions from TSG SA WG1

TD SP-010430 CRs to 21.905 on Alignment of definitions requested by RAN 4. These CRs were approved.

TD SP-010429 CRs to 21.905 on Adding new definitions to 21.905 for In Iu mode and In A/Gb mode. It was reported that the definition for Rel-5 was still unclear on this topic. These CRs were approved.

TD SP-010431 CR to 21.905 version 5.0.0 Nomenclature for GTT. This CR was approved.

TD SP-010440 CR to 22.057 on Generic requirements for support of multiple MExE classmarks. This CR was approved.

TD SP-010442 CRs to 22.060 and 22.105 on Introduction of High Speed Downlink Packet Access. These CRs were approved.

TD SP-010432 Various CRs to 22.078. These CRs were approved.

TD SP-010428 CR 22.100-030r1 on Correction of support of facsimile teleservice for UMTS R99 specifications. This CR was approved.

TD SP-010441 CRs to 22.101 on Addition of a statement on parameter storage on the SIM/USIM. The inclusion of a new requirement at this late stage for Rel-4 was queried. The SA WG1 Chairman clarified that the work required in TSG T was minimal and that, to his knowledge, no other changes were needed in other specifications. It was further clarified that the user cannot update these fields, and there is no impact on the SIM Toolkit. After some discussion these CRs were approved.

TD SP-010437 CR 22.101-085 on Correction of MMS paragraph for streaming. This CR was approved.

TD SP-010436 CRs to 22.101 and 22.127 on Definitions of Home Environment and HE-VASP. These CRs were approved.

TD SP-010439 CRs to 22.127 Rel-5 to introduce new functions. It was asked whether these Category B CRs introduced new feature requirements which would impact the CN work for Rel-5. It was asked that the CRs indicate the fact that they include already agreed features in the future. These CRs were approved.

TD SP-010434 CR to 22.129 on Release 5 IMS Service Continuity Requirements. This CR was approved.

It was noted that from slide 28 of the presentation slides, the CRs presented in TSG CN (NP-010505 and NP-010506) had been withdrawn.

TD SP-010433 CR to 22.226 version 5.0.0 GTT Stage 1 as requested by SA on Subscription for GTT. This CR was approved.

TD SP-010435 CRs to 22.228 on Interworking with internet and Determination of terminal capability. These CRs were approved.

TD SP-010438 CR 22.228-009r2 on IM CN Subsystem Roaming. The specification of a cause value, but not the reaction to this cause value was questioned. Some concerns were raised and it was explained that this CR had been approved by e-mail and not seen in an SA WG1 meeting. It was decided that SA WG1 could be asked to re-consider this at their next meeting and the CR was postponed for further consideration of the consequences of this proposed change.

TD SP-010545 CR 22.905-017 on Application of RAN CR 21.905-008 to Release 1999. This CR was approved.

TSs and TRs:

TD SP-010443 Stage 1 description of Multimedia Broadcast/Multicast Service (TS 22.146 v2.0.0) for approval. The intended media for this service was questioned as the document did not make reference to the data to be Broadcast or Multicast. The question was also raised on the impacts on the radio interface as the service does not consider re-transmission (i.e. required radio channel robustness/quality). This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5). **SA WG1 were asked to**

provide clarification on the questions raised and provide CRs to the document at the next TSG SA meeting. It was noted that this had been seen as a TR in TSG SA#12 in TD SP-010267 (TR 22.946 version 1.0.0).

TD SP-010444 Stage 1 description of Presence Service (TS 22.141 v2.0.0) for approval. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5). The TSG SA Chairman requested that the open items are identified on a cover note for future TSs and TRs for approval.

WI descriptions:

TD SP-010445 WID for Distributed Speech Recognition (DSR). Contributions on this proposal had been provided in TD SP-010488 and TD SP-010531, which were considered. After some discussion, it was agreed that the Stage 2 and 3 completion dates should be removed and the other WGs could determine the timescales for the completion of their work. Interested delegates were asked to revise this WID for further discussion in SA WG1 or for submission to this meeting, as appropriate. SA WG1 were also asked to consider the interworking with Aurora systems. (The WID was therefore not approved). The updated WI was provided in TD SP-010551 which was modified again in TD SP-010555 taking into account of comments received. This WI description was updated to change the schedule as Stage 1 for info at SA#14, approval at SA#15, and remove "will be done by Aurora" in the comments. This was provided in TD SP-010581 which was approved.

TD SP-010566 - ETSI ES 201 108 version 1.1.2 was provided for information supporting TD SP-010555 and was noted.

TD SP-010572 WI on Speech Recognition and Speech Enabled Services. This was provided by Ericsson, IBM, Nokia, Siemens and T-Mobil, and was approved.

TD SP-010488 Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'. This was provided and presented by Siemens and requests a broadening of the scope of the work and consequently targeted for Post Rel-5.

TD SP-010531 Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'. This was provided by IBM and contains additional comments on the Siemens AG contribution in TD SP-010488.

TD SP-010446 WID for Generic User Profile. It was noted that an alternative WI proposal had been provided in TD SP-010548 which was also considered and discussed. This WI was withdrawn in favour of the updated proposal from Vodafone in TD SP-010548.

TD SP-010548 Proposed WI description: the 3GPP Generic User Profile. (revision of TD SP-010532, with changes identified as being in clause 10). This was an alternative proposal to TD SP-010446 from Vodafone. This WI description was approved. **It was noted that the timescales were considered a "best guess" and should be considered by the affected WGs and updated accordingly.**

TD SP-010484 Work Item for UE Functionality Split. There was some discussion on the potential impact on the access network, and SA WG1 were asked to take this into account when drafting the requirements. This WI description was approved.

TD SP-010504 Operators' Concerns over Service Requirements. This contribution was provided by a number of operators and presented by Vodafone. It reports on the concerns of many operators on the growing trend to produce specifications in 3GPP before the service requirements are defined. It asked 3GPP to endeavour to ensure that all new and updated features which have a service impact should be in accordance with clear stage 1 specifications and that SA WG1 support this by all members working together to achieve comprehensive and timely stage 1 specifications. It also requests that SA WG1 work more closely with the MRPs to identify market based service requirements. TSG SA have continuously tried to follow these sentiments by reminding groups that the detailed specification work cannot start in earnest until the Service requirements are provided by SA WG1.This contribution was therefore noted, and all groups were reminded of these principles and asked to follow them.

TD SP-010505 Issues Related with Inter-RAT PS Domain RT Handover (PS RT HO). This was presented by AT&T Wireless Services and requested that TSG SA clarify the service continuity requirements for inter-RAT PS domain handovers for real-time services in the PS-domain within 3GPP TSGs. It also requested that a

target time frame be provided for including this support in the 3GPP specifications, either in a phased manner, or otherwise. It was explained that SA WG1 are contribution-driven and that they need contribution on this subject in order to make progress. Therefore, Member companies were urged to contribute to SA WG1 on the service requirements. TSG SA would monitor the progress at the next meeting and determine whether there is interest in this work. The document was then noted.

TD SP-010543 Priority Access Service Preliminary Requirements. This was presented by Voicestream Wireless and details the US FCC requirements for Priority Access Service for use in emergency situations to provide access when networks are blocking. It was reported that GSM 02.11 provided access control procedures and this may be an easier route to implementation of this requirement, rather than the use of GSM 02.30. Voicestream Wireless responded that this was an error in the contribution and 02.11 was intended. It was explained that there are 5 classes defined, 2 for use in Home PLMN and 3 for use when roaming. The use of these classes were under the discretion of the network operator. It was suggested that the service requirements for GSM and the FCC should be compared to see if they are covered. A companion WI description was provided in TD SP-010523.

TD SP-010523 WI description: Priority Service. This was introduced by Telcordia Technologies, Inc. This WI description was approved.

It was agreed after a number of comments on this subject that the suitability of existing functionality should be investigated first in order to offer a quicker solution for the US FCC requirements, rather than developing a new feature which would take more time and resource.

Liaison Statements:

TD SP-010529 LS to SyncML on Generic User Profile. This was presented by the Generic User Profile ad-hoc Chairman. It was agreed that this LS should be submitted to The SyncML Initiative. (This LS was therefore approved and updated to remove "proposed" from the title and provided in TD SP-010557).

TD SP-010530 LS to GSM-A on Generic User Profile. This was presented by the Generic User Profile ad-hoc Chairman. It was agreed that this LS should be submitted to GSM-A TWG/SERG. (This LS was therefore approved and updated to remove "proposed" from the title and provided in TD SP-010558).

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-010506 TSG SA WG2 report at TSG SA #13. The SA WG2 Chairman presented the report of SA WG2 activities since TSG SA meeting #12.The SA WG2 Chairman was thanked for presenting the report, which was then noted.

7.2.2 Questions for advice from TSG SA WG2

There were no contributions under this agenda item.

7.2.3 Approval of contributions from TSG SA WG2

Approval of TSs and TRs:

TD SP-010507 TS 23.236 v.2.0.0 of “Intra Domain connection of RAN nodes to multiple CN nodes”. This was presented to TSG SA for approval. The contribution in TD SP-010547 was introduced by T-Mobile (see below). The TS was revised as described below in TD SP-010573 which was approved. It was noted that the title of the cover document to the specification was incorrect, but the Specification itself was correct.

TD SP-010547 Clarification on Iu flex. T-Mobile proposed two possible ways to resolve the mismatch between the current WID and TS 23.236, either to delete all sections in TS 23.236 dealing with multiple core networks connectivity from the RAN and to progress the work for matching the original goals of Iu flexibility as documented in the WID, or to extend the scope of the current Work Item Description at TSG SA#13 to include the connection to multiple CNs. It was agreed that sections 4.9 and 6.2 need to be removed from the specification to align the content with its Scope. It was also considered that a more thorough check should be done and the document revised and re-presented for approval (see discussion of TD SP-010507 above).

TD SP-010508 TR 23.974 v.2.0.0 on “Stage 2 for Push services”. This was presented to TSG SA for approval. The SA WG2 chairman clarified that they would like to finalise this TR and return to it when more information is available to add to the report. There was some concern expressed on publishing this as it stands as a 23.9-series specification, which may be externally published (and referenced) and it was agreed to change it to an internal TR in the TR 23.8xx series. This TR was approved and placed under TSG SA change control **as TR 23.875** version 5.0.0 (Rel-5).

A question was raised over the text about the timescales for Push services in section 8 of the TR. The SA WG2 Chairman clarified that this was the conclusion drawn by SA WG2, and they would update this when input from SA WG1 is available. It was clarified by the TSG SA Chairman that **the approval of this report does not imply an explicit approval of the target dates contained in the report** and SA WG2 were asked to revise the timescales as appropriate.

Approval of CRs:

TD SP-010509 CRs on 03.60 and 23.060 (GPRS/PS domain stage 2). A concern was expressed over the Rel-5 CR 248r1 "Binding Information in PDP Configuration Options" as for Rel-4 GSM, it was not sure whether the IE could be passed through and could cause a backward compatibility problem. CR 248r1 was rejected and SA WG2 were asked to re-consider this CR. **Apart from CR 248r1,** these CRs were approved.

TD SP-010510 CRs on 03.71, 23.171 and 23.271 (LCS Stage 2). It was clarified that CR 23.271-035r1 creating Rel-5 was PS domain and therefore was not reflected back into Rel-4. These CRs were approved.

TD SP-010511 CRs on 23.002 (Network Architecture). These CRs were approved.

TD SP-010512 CRs on 23.107 (QoS). These CRs were approved.

TD SP-010513 CRs on 23.207 (E2E QoS). These CRs were approved.

TD SP-010514 CRs on 23.221 (Architecture Requirements). These CRs were approved.

TD SP-010515 CRs on 23.228 (IMS). It was commented that a revision to CR 052r2 had been created (CR 054) but not yet agreed by SA WG2. It was clarified that the CR 052r2 had been approved by e-mail by SA WG2 after agreement at a drafting meeting. It was decided that as the specification is not yet frozen, the CR 052 would be approved and further discussion of the changes proposed in CR 054 should be handled by SA WG2 at their next meeting. These CRs were approved.

TD SP-010553 Additional CR on 23.228. This CR was approved.

WI descriptions:

TD SP-010516 WI on S2’s involvement in MBMS. It was considered important that this work is started, and an update to the WI Description would be expected at the next TSG SA meeting, when the full impact and scope should be clearer. This WI description was approved (as a BB under the IMS Feature).

TD SP-010517 WI on S2’s involvement in Presence. This WI description was approved (as a BB under the Presence Feature).

TD SP-010518 Revised WI on LCS in Rel5. Changes shown with revision marks were requested for future revisions to WIs. It was explained that most of the WI had been changed and this should be considered as a new proposal for the WI. The linked WIs were not considered clear enough and were updated in TD SP-010574 which was approved.

TD SP-010519 WI on S2’s involvement in IMS Charging. This WI description was approved.

Other documents:

TD SP-010521 QoS Option Reduction/Prioritisation in 23.207. This was provided by a number of companies and presented by Mannesmann Mobilfunk. The contribution asked TSG SA to task SA WG2 to try to reduce the number of options and scenarios in TS 23.207 for Release 5. It was noted that SA WG2 were already looking into reducing the number of options in their specifications. The TSG SA Chairman repeated that TSG SA request all WGs to minimise the number of options in the specifications as a principle. Members

should contribute to WGs in order to propose which options are not necessary (in particular, before the specifications are "functionally frozen") and which propose their removal. This contribution was therefore noted and all Members asked to contribute to the WGs.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-010490 SA WG3 status report to TSG SA#13. The SA WG3 Chairman presented the report of SA WG3 activities since TSG SA meeting #12. It was reported that Rolf Schnitzler (D2 Vodafone) had been elected as new Chairman of the SA WG3 Lawful Interception group.

The SA WG3 Chairman reported a potential problem with the standard for (counter) mode of operation of algorithm, as the ISO/IEC 10116 will not be complete until 2003, and the use of a National standard equivalent (NIST 800-xy) could not be fully agreed within SA WG3.

The progress on IP Transport security was questioned and the timescale for provision of information to RAN groups was requested. The SA WG3 Chairman responded that progress had been slow, but that SA WG3 would provide the current status of the work to relevant RAN groups.

The implications of IPSec for integrity protection with header compression were questioned. The SA WG3 Chairman responded that integrity protection in itself had no impact on the signalling plane.

TD SP-010491 Draft Reports of SA WG3 meetings since SA#12. These were provided for information and noted.

The SA WG3 Chairman was thanked for presenting the report, which was then noted.

7.3.2 Questions for advice from TSG SA WG3

There were no contributions under this agenda item.

7.3.3 Approval of contributions from TSG SA WG3

Approval of CRs:

TD SP-010492 1 CR to 33.102: Removing the list of access type codes from authentication failure report (Rel-4). This CR was approved.

TD SP-010493 2 CRs to 33.103: Correction of USIM data elements for AKA (R99, Rel-4). These CRs were approved.

TD SP-010494 1 CR to 33.107: Missing location related information in Packet Data Event Records (R99). This CR was approved.

TD SP-010495 2 CRs to 33.107: Reporting of Secondary PDP context (R99, Rel-4). These CRs were approved.

TD SP-010496 1 CR to 33.200: All messages of the same application context shall be applied MAPsec or not at all (Rel-4). This CR was approved.

TD SP-010497 1 CR to 33.200: Clarification of scope (Rel-4). This CR was approved.

TD SP-010498 1 CR to 33.200: Clarifications in SPD and SAD contents (Rel-4). This CR was approved.

TD SP-010499 1 CR to 33.200: MAPsec Message Flow including extra SPD table (Rel-4). This CR was approved.

TD SP-010500 1 CR to 33.200: Correction to security policy requirements (Rel-4). This CR was approved.

TD SP-010501 1 CR to 33.200: Content and identifiers of a MAPSec SA (Rel-4). This CR was approved.

TD SP-010502 1 CR to 33.200: MIA key length unspecified (Rel-4). This CR was approved.

TD SP-010503 1 CR to 33.200: MAC calculation in PM2 (Rel-4). This CR was approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-010451 TSG SA WG4 Status Report at TSG SA#13. The SA WG4 Chairman presented the report of SA WG4 activities since TSG SA meeting #12.

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

7.4.2 Questions for advice from TSG SA WG4

SA WG4 asked authority for formal approval of Phase 1B host laboratory work to allow payment upon finishing the work (and avoiding need to wait until TSG SA#14 for the payment). It was clarified that the payment was for 15 kEuro. TAG SA approved the payment to the laboratory.

7.4.3 Approval of contributions from TSG SA WG4

Approval of CRs:

TD SP-010452 CRs to TS 26.104 Corrections to encoder-decoder operations AMR-NB floating point (R99 and Release 4). These CRs were approved.

TD SP-010453 CRs to TS 26.131 Introduction of ANR tolerance of 3 dB (R99, Release 4 and Release 5). These CRs were approved.

TD SP-010454 CRs to TS 26.132 on Test signals and Bandwidth of test signals for acoustic testing (R99, Release 4 and Release 5). These CRs were approved.

TD SP-010455 CRs to TS 26.173 Corrections to AMR-WB C-code and file format description (Release 5). These CRs were approved.

TD SP-010456 CR to TS 26.231 on Request to change muting of transmitter from 5th info bit to 4th info bit at beginning of a TTY burst (Release 5).This CR was approved..

TD SP-010457 CRs to TS 26.234 Corrections to Transparent end-to-end packet switched streaming service (PSS); Protocols and codecs (Release 4). These CRs were approved.

TD SP-010458 CRs to TR 26.975 Clarification of 3G simulator settings used for AMR characterization in 3G channels (R99 and Release 4). It was clarified that the identified problem was only in the characterisation Phase and not the Selection Phase. These CRs were approved.

Approval of WI descriptions:

TD SP-010459 Work Item Description for Floating-point ANSI-C code for the AMR-WB speech codec. This WI description was approved.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-010460 Status report from SA WG5 to SA#13. The SA WG5 Chairman presented the report of SA WG5 activities since TSG SA meeting #12.

It was clarified that there was only an open study on the OSS/J area (ref: Slide 9).

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

7.5.2 Questions for advice from TSG SA WG5

There were no contributions under this agenda item.

7.5.3 Approval of contributions from TSG SA WG5

Approval of CRs:

TD SP-010462 R99 CR32.005 (Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain). These CRs were approved.

TD SP-010463 R99 CR32.015 (Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain). These CRs were approved.

TD SP-010473 R99 CR32.106-6 (Basic Configuration Management IRP: CORBA Solution Set Version 1:1). This CR was approved.

TD SP-010465 Rel-4 CR32.101 (3G Telecom Management principles and high level requirements). This CR was approved.

TD SP-010466 Rel-4 CR32.102 (3G Telecom Management Architecture). This CR was approved.

TD SP-010472 CR52.071 Withdrawal from Rel-4 of 52.071 (Location Services (LCS); Location services management). This CR was approved. The **withdrawal** of TS 52.071 from Release 4 was approved.

TD SP-010468 Rel-4 CR32.403 (Telecommunication Management; Performance Measurements; UMTS and combined UMTS/GSM). This CR was approved.

TD SP-010479 Rel-4 CR32.600-series Corrections. These CRs were approved.

TD SP-010476 Rel-4 CR32.602, 32.603 & 32.604 on Correction of invokeIdentifier usage. These CRs were approved.

TD SP-010477 Rel-4 CR32.652 & 32.654 on Adding mcc and mnc in the object model of GERAN (NRM). These CRs were approved.

TD SP-010478 Rel-4 CR32.6x4 (IRP: CMIP SS) on Corrections due to document renumbering. These CRs were approved.

TD SP-010469 Rel-4 CR32.111-3 (Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set. This CR was approved.

TD SP-010474 Rel-4 CR32.111-2 & 32.111-3 on thresholdInfo in Alarm IRP. These CRs were approved.

TD SP-010522 (Replacement of TD SP-010475): Rel-4 CR32.101, 32.111-2 & 32.303 on Rule for IDL file names. These CRs were approved.

TD SP-010471 Rel-4 CR32.304 (Telecommunication Management; Notification Integration Reference Point: CMIP Solution Set). These CRs were approved.

TD SP-010470 Rel-4 CR32.111-4 for upgrading R99 to Rel-4 (Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP Solution Set Version 1:1). This CR was approved.

WI descriptions:

TD SP-010461 Rel-5 WI Descriptions for Charging and OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM and 5 Building Blocks). These WI descriptions were approved.

Approval of TSs and TRs:

TD SP-010464 Rel-4 Charging: delivery of all 4 draft V2.0.0 specifications for approval (32.200, 32.205, 32.215 and 32.235). These TSs were approved and placed under TSG SA change control as version 4.0.0 (Rel-4).

It was noted that the requirements for charging require examination and companies were advised to check the content of TS 32.215 carefully.

TD SP-010467 Rel-4 Performance Management (PM): delivery of the remaining 2 out of 3 draft V2.0.0 specifications for approval (32.401, 32.402). It was noted that the proposed TS 32.401 was GSM-only and as such should be numbered within the GSM-only specification set (40.000 - 59.999 series). TS 32.402 was therefore renumbered as 52.402 and SA WG5 were asked to update their references in their specifications to reflect this change. These TS 32.401 and TS 52.402 were approved and placed under TSG SA change control as version 4.0.0 (Rel-4)

7.6 3GPP Work plan

TD SP-010537 3GPP Work Plan. The work plan was provided for information and as support for TD SP-010552.

TD SP-010552 (revision of TD SP-010546) MCC review of the Work Plan. This was presented by A. Sultan, MCC and provided the MCC view on the status of Work Items for Rel-5 according to the progress in the WGs on each item.

The re-definition of Stage 3 by the WAP Forum for MMS enhancements was questioned, and clarification was requested on the Rel-4 stage 3 being complete. It was clarified that T WG2 had asked the WAP Forum for timescales, but no response had been received.

TD SP-010550 Proposal for cleaning-up the IMS feature (revision of TD SP-010447 taking account of comments received from the other TSG meetings - CN, RAN and T). This was presented by A. Sultan, MCC who explained that the revised IMS feature had not been included in the 3GPP Work Plan (TD SP-010537). A version with revision marks were included in TD SP-010447 but not in this version due to the large number of changes making it unreadable.

The splittable column identifies the items which may be separated out into different Releases, and this is taken into account for the minimum IMS functionality in TD SP-010448.

TD SP-010448 Identifying the minimum functionality of IMS. This was considered in TSG T and TSG RAN. TSG T had raised a concern on line 27, on UE functionality Split, that if UE split is removed from Release 5 some indication should be given that the security and interworking aspects of a split UE have not been considered and therefore manufacturers are recommended not to implement a split UE based on Release 5.

7.7 Review of TSG SA Release 1999 and Release 4 completion

This was dealt with under other agenda items (see also Annex G)

7.8 Review of TSG SA Release 5 status and scheduling

This was dealt with under other agenda items (see also Annex H)

7.9 Beyond Release 5

A workshop on Future Evolution had been arranged for 18-19 October 2001 in Helsinki, Finland. This workshop will report back to TSG SA meeting #14 (see also Annex I).

7.10 Review of TSG SA work programme

The work programme was presented under agenda item 7.6, see also Annexes G, H and I.

7.11 Letters to other groups

See agenda item 8.5 for a list of liaisons dealt with at TSG SA #13.

7.12 Other issues

There were no contributions under this agenda item.

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

8.1 TSG CN

8.1.1 Report and questions for discussion from TSG CN

TD SP-010542 CN Report to SA#13. The report of the TSG CN meeting #13 was presented by the TSG CN Chairman.

Issues for SA Information:

DSR (Distributed Speech Recognition): CN1 will investigate SIP and SDP impacts, which may not make Release 5 if there are significant new requirements.**IMS Framework Report:** Validation seems to be a useful concept, but any new requirements almost certainly can't be accommodated for Release 5.**IETF Dependencies becoming critical:** More IETF RFC dependencies, Some work is still not scheduled in IETF, TSG CN are refocusing on protocol requirements.**Joint meeting on M3UA/SUA choice:** CN4 and RAN3 experts meeting, November 7-8 (Helsinki, TBC), to reach agreed solution for M3UA/SUA usage in CN/RAN configurations, the Fallback will be to produce evaluation information for a TSG RAN vote.

CN Harmonization: OHG have Requested Harmonization, 3GPP and 3GPP2 endorsed a workshop in first Quarter of 2002.**ITU-T Coordination:** The ITU-T have agreed to limited inclusion of TRs and will synchronize future specification baselines with the ITU-R ad-hoc. Currently ITU-T has requested only Release 1999 specifications

Other issues: AMR-2 changes have been completed, no resolution on multicall handover prioritisation yet, Solution needed for error handling of unsupported AoC parameters in SCI and Release marker for GERAN should only indicate protocol version.

Changes to Work Plan

AMR-WB WID approved, Service Change and UDI Fallback WID approved, SA3 BB on UE triggered authentication should be removed, Shared Interworking Function (SIWF) Removed, MNP for IMS Removed, Network Capabilities for IMS removed.

Release Issues:

Most Wis planned for completion in March 2002, There are still many dependencies on the IETF, SA WG2 and SA WG3.

CN Recommendations:

- Rel-5 should be targeted for March 2002;
- IMS should be phased;
- New Rel-5 work should be discouraged.

Discussion and questions:

Slide 3: It was clarified that TSG RAN will not make the vote for TSG CN decisions, but TSG CN will provide information to feed into a vote in TSG RAN if a vote is needed. This is not expected to overturn the Rel-4 decision that M3UA is supported.

It was commented that the IETF work could be done in an anonymous fashion, rather than under the 3GPP flag. It was clarified that work is done in the IETF under individual Member identities (i.e. individual companies) in order to contribute the 3GPP requirements following the working procedures of the IETF. The 3GPP - IETF liaison officer repeated that 3GPP could submit requirements upon IETF drafts. It was also suggested that a group is formed to decide what should be contributed to the IETF and that a closer relationship should be developed with both the IETF and some of the other bodies submitting requirements to the IETF, considering the dependency of 3GPP work on IETF documents.

The TSG CN Chairman expressed the need for 3GPP Members to actively get involved in IETF work by sending employees to the IETF and joining relevant e-mail discussion lists.

Slide 7: Network Capabiities for IMS removed from the Work Plan: It was clarified that this was a Work Task which had been created in case there was some work to do, and none has been identified in this case.

MNP for IMS removed from the Work Plan: It was clarified that the requirements for Number Portability in the IMS environment were unclear to TSG CN. There was some discussion and some views expressed that the WI should be kept It was recognised that there appeared to be no work ongoing in this area and if it was considered necessary by any Members then they should contribute to the work in SA WG1 in order to develop the requirements for MNP in IMS. It was further clarified that the deletion of the WI does not close the possibility of including it if it is shown to be wanted.

TD SP-010541 CN#13 Draft Report. This was provided for information and was noted.

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

TD SP-010526 LS from CN on Removal of SIWF from R99 and onward. The TSG CN Chairman presented this LS, which reported that the conclusion of the CN plenary was that the SIWF shall be deleted from Release 1999 and onward. TSG SA noted this and had no objection to the removal of SIWF.

TD SP-010527 LS from CN on the WID: AMR-WB Speech Service – Core Network Aspects. This was presented by The TSG CN Vice Chairman and asked relevant working groups to review the WID and to report any changes considered necessary and to determine whether any complementary WIs need to be created to support this. It was clarified that the RAB renegotiation should also include RAB negotiation.

It was stated that there had been no requirements provided to SA WG1 on AMR codec requirements and until contribution was received on requirements, there would be no support for the work.

TSG SA noted that this WI had been created. It was questioned if sufficient service requirement existed. **It was clarified that the applicable service requirements are those for TS11, for which the WB AMR Codec is to be considered as yet another Codec.** If this leaves any requirements open for the groups working on WB AMR, clarification from SA WG1 should be sought.

TD SP-010413 Co-ordination of SDO input to ITU-T Q.REF-1. This was noted as it had been provided to TSG SA#12 (TD SP-010351).

TD SP-010410 LS from CN WG4 to SA WG5, SA WG2, cc SA: Reply LS on consistent description regarding the use of Charging Characteristics. This was provided to TSG SA for information and was noted.

8.1.3 Information on status and changes to deliverables

The status and changes to TSG CN work was included in the status report from TSG CN (TD SP-010542).

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-010560 TSG RAN #13 meeting Report. The report of the TSG RAN meeting #13 was presented by the TSG RAN Chairman.

635 CRs were approved at TSG RAN meeting #13.

Release 1999: Number of CRs approved on Release 1999 was 266. Most of them were approved to clarify and hence avoid misinterpretation. This activity shall be limited for the next period. An important activity was decided to be started as of this meeting consisting of reviewing all options incorporated in Release 1999 and perform an analysis to review whether or not they can be used.

Release 1999 and Rel-4: Following the request from ITU-R WP8/F all material has been elaborated and sent to the OPs for their submission at the latest on the 3rd of October 2001. OPs were also requested to decide on the versions to be referenced for the final submission in April 2002. The exact date for submission is still

unclear. Clarification on this date shall be provided by WP8/F during their next meeting in October. It should be noted that for the final submission it will refer to Release 1999, Rel-4 and Rel-5

Release 5: Work on Release 5 has started. In particular, HSDPA has been subject of major inputs and discussions in RAN WG1 and RAN WG2. The stage 2 description (TS 25.308) has been approved.

A joint meeting has been agreed to take place in New Jersey 14 - 15 November 2001 between 3GPP TSG RAN and 3GPP2 TSG C, to look at potential harmonisation between HSDPA and 1EX DO and 1EX DV.

The IMS time schedule had been presented from different sources. There were not too many comments based on the fact that the impact on RAN seems very low for the first phase.

IP transport was once again tackled for the aspects of SS7 signalling transport. There has been a lot of discussion on the use of SUA or M3UA. Following a proposal from Vodafone to have some decision made by CN4, the preferred way in RAN was to have a joint CN/RAN meeting with the experts from the two groups to decide on that.

The RAN chairman stated there had been a misunderstanding between CN and RAN and after discussion with the TSG CN Chairman, slide 6 should read: ***the terms of reference were agreed to concentrate on a dual solution, that is to say SUA and M3UA or M3UA only or SUA only***.

If no conclusion can be reached at the joint meeting, then a vote shall take place at RAN#14.Feasibility Study of UE antenna efficiency test methods was finalised and a request to liaise with the CTIA was endorsed to inform them about the interest of 3GPP on their work

New Work agreed at TSG RAN #13

"Beamforming" agreed to be finalised at RAN#15.

Feasibility study considering deployment of UTRA in additional and diverse spectrum arrangement.

Several other work items were proposed anticipating completion of feasibility study. They were rejected awaiting completion of the feasibility.

All work items have been reviewed and completion dates were updated where necessary.

The review of the RAN work plan was also presented in the slides.

Questions:

Feasibility study of UE antenna: It was clarified that TSG RAN had agreed that the methods in CTIA were accepted, so TSG RAN will not specify this themselves, but will liaise with CTIA in order to contribute when necessary.

TSG SA noted the RAN decision to try to reduce the number of options in Release 1999.

The TSG RAN Chairman was thanked for his report.

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

TD SP-010528 LS to TSG SA on the documents to be considered for the Revision of Recommendation ITU-R M.145. TSG SA were invited to make comments on the list of specifications and the TAG RAN Chairman would take these into account before submitting the list to ITU-R. The attached list was endorsed by TSG SA.

8.2.3 Information on status and changes to deliverables

The status and changes to TSG RANN work was included in the status report from TSG RAN (TD SP-010560).

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-010571 (Replacement of TD SP-010561): TSG T Status report. The report of the TSG T meeting #13 was presented by the TSG T Chairman.

T WG1 - Conformance Testing:

TS 34.108 “Common test conditions for UE conformance testing”: Issues: corrections of some RBs; Introduction of RBs for TDD mode; A CR to create Rel-4 version with the introduction of LCR TDD was approved; RF conditions for signalling tests to be completed at the next meeting.

TS 34.121 “Terminal Conformance Specification (FDD)”: Mostly complete, except for RRM support, which will be dealt with at an ad-hoc meeting 11-12 October 2001. Total test time: BER measurement needs further investigation.

TS 34.122 “Terminal Conformance Specification (TDD)”: Mostly complete, except for RRM support, as for TS 34.121.

TS 34.123-1 “UE Conformance Specification, Part 1 - Conformance specification”: Creation of Rel-4 with the introduction of some test cases for LCR TDD; Test cases for R99 and REL-4 are merged into one document to increase visibility and minimize maintenance.

TS 34.123-2 “UE Conformance Specification, Part 2 - ICS”: Rel-4 created and merged with R99 as for 34.123-1.

TS 34.123-3 “UE Conformance Specification, Part 3 - ATS”: T WG1 estimated that by March 2002, enough TTCN test cases will have been stabilized to allow test/verification of basic UE functionality.

Task Force 160 funding: For 2002 and 2003, TSG T endorsed the T WG1 proposal to keep the same level of funding (58 Man Months). TSG T asked TSG SA to endorse the support of MCC Task 160 (the original estimate for MCC Task 160 was overrun due to maintenance on continuing changes in core specifications).

TSG T seek **voluntary contributions from member companies** since continued financial support from SDOs is difficult.

T WG2: Services & Capabilities:

MExE: “MExE Enhancements Rel-5” on schedule; Revised WID on “MExE Security Analysis Rel-5” approved; MExE Classmark4 based on CLI; Actions were agreed to make MExE more commercially focused; Discussion on general Application Level Security Framework.

UE interfaces and capabilities: Revised Rel-5 WID “Terminal Local Model” approved; Some work on Generic User Profile will be handled by T2; A joint meeting with SA WG1 on UE Functionality Split and Device Management had been arranged; T WG2 had highlighted the importance of security matters to SA WG3 with regard to generic user profile and to device management.

Messaging: MMS REL-5 behind schedule (2 day ad-hoc arranged); TSG T agreed to request T WG2 to freeze the EMS work by T2#15.

T WG3: USIM:

General: New Rel-5 Technical Specifications on USAT Interpreter; TS 22.112 USAT Interpreter stage 1 was approved at TSG T #11; Two new stage two specifications approved at TSG T #13 (31.112 and 31.113).

Special Issues: SA3 has proposed a new entity for IMS called the **ISIM**; GPRS operator preferences (CRs postponed by TSG SA#12 re-approved after SA WG1 evaluation).

Main Ongoing work: Definition and specification of a UICC/USIM Transport Protocol specific to the (U)SIM application; Storage requirements for MMS; USAT Interpreter Protocol and Administration; Discussion with EP SCP about splitting the secure messaging and API specifications into a 3G specific part (under T3 control) and a generic part (under EP SCP control).

EP SCP Activities:

SCP recently created three Working Parties and approved one new specification (see report for more information).

Discussion and comments:

Page 14 - User Profile ad-hoc meetings: It was confirmed that the Stage ½ meeting would be hosted by Alcatel in Stuttgart, Germany 10 - 12 October 2001 (the framework ad-hoc meeting (8 - 9 October) was still not confirmed).

The freezing of TTCN on the June 2001 versions was questioned. It was clarified that this does not mean that the June version is the reference version, but is being done in order to produce a stable TTCN which can then be maintained in line with the corrected base specifications. This is done in order that the TTCN is not continuously having to change it's target during development.

Slide 16: Special Issues: It was reported that SA WG1 had not completed their evaluation on the changes proposed by the CRs on GPRS operator preferences, which had been re-approved by TSG T.

It was reported that these parameters were not intended to be user-accessible and would not affect the user interface of terminals. There was some objection of including this in Rel-4 as there was no defined service requirement and it was considered as a functional modification and therefore should only be included in Rel-5. It was also clarified that there was no stage 3 available for this feature. It was recognised that more information on the feature was required before a conclusion could be reached on whether it is essential to include in any particular Releases.

It was further clarified that the SA WG1 CRs that TSG SA approved were related to general SIM parameter update capability, and not directly related to the CRs approved by TSG T which adds new parameters.

It was concluded that as SA WG1 had not confirmed the service requirements, and TSG SA requested the postponement of the TSG T CRs until this task is completed. If there is no service requirement provided by SA WG1 by the next TSG T meeting, then TSG T should conclude that there is no requirement for these changes and the CRs should be rejected. A corresponding stage 3 impacts in TSG CN and TSG GERAN should also be evaluated before TSG T consider approval of these CRs.

Slide 3: It was clarified that the RRM testing had been recognised as a point which needed progressing by T WG1, and an ad-hoc meeting had been arranged by T WG1 to progress the work.

Slide 13: MMS - again an ad-hoc had been arranged by T WG2 to bring the work back on schedule.

TD SP-010562 Development & Deployment of TTCN Tests for 3GPP Terminals. This document was presented by the TSG T Chairman and provided background information for TSG SA for the support of voluntary funding for TTCN test case generation.

TSG SA noted the proposal and stressed the importance of having this facility and the need for funding and the provision of TTCN expertise to do the work. **Members were asked to seriously consider providing resources for this important work**.

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

There were no contributions on this agenda item.

8.3.3 Information on status and changes to deliverables

The status and changes to TSG T work was included in the status report from TSG T (TD SP-010571).

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-010554 GERAN status Report. The report was presented by the GERAN Chairman and outlined the progress and issues in TSG GERAN since the last TSG SA meeting.

GPRS:

Discussions of making the support of the PBCCH optional for the terminal had taken place. The following conclusions were reached:

- No change to Release 1997
- Definition of recommended set of GPRS PCCCH/PBCCH features based on test capabilities and operator priorities
- IoT program that will first verify the recommended set, with the intention to verify the full PCCCH/PBCCH functionality, latest by the Release 1999 implementation.

GPRS/EDGE:

Few BSSGP / NS corrections and few corrections on the radio interface.

Release 5 A/Gb mode:

Inter-BSC/RNC NACC feature: the TR was postponed to GERAN WG2#6bis. A WI for Gb mode was approved but proposed extensions for cell load and QoS were not included.

Progress on support of Iu: The stage 2 RRC was progressing well. It was agreed to delay the RLC/MAC.

Release 5 LCS: A WI LCS in GPRS for Gb and Iu mode had been reviewed and CRs approved to include expected Release 5 functionality.

Frequency bands:

Information was received from ETSI EP TETRA on TETRA potentially using the 900 MHz band, which caused some concern. TETRA also informed TSG GERAN that they were re-using the GPRS specification for TETRA packet services. The 3G - 3G Interworking was considered stable.

Testing:

TSG GERAN have decide to split the GERAN terminal testing work into two groups:

- GERAN WG4: Terminal Testing for Radio Aspects Responsible for Conformance test specifications for testing of Lower layers including RLC/MAC, and
- GERAN WG5: Terminal Testing for Protocol Aspects Conformance test specifications for testing Protocol aspects above the RLC/MAC

In order to improve the information flow between the experts working on the core specification and the experts working on the test specification experts it has been decided to hold WG4/WG5 in parallel with the other WG during the plenary week.

TSG GERAN is still seeking support for TSG GERAN WG4/WG5 to draft test cases for newer functionalities, as this area has often been neglected in the past.

Support for codecs:

Channel coding for 8 PSK voice bearers had been selected. Support for WB-AMR was complete, except for call set-up and radio channel performance requirements. A new principle for specification of performance for CS voice bearers, based on required level, to obtain fixed FER was agreed. It had been decided to support AMR and EFR codecs when the Iu interface is introduced.

Other Release 5 work:

- A TR on support of optimised voice was being drafted.
- Integrated VoIP application not requiring header regeneration had been assumed for Optimised Voice, the requirements for Optimised Voice needed further clarification
- GERAN had assumed that call set-up and in-call signalling is within the actual call bandwidth.
- GERAN still needed information about SIP procedures - critical for time schedule for signalling bearers (FACCH and SACCH equivalents)
- GERAN regard SIP compression as necessary to obtain reasonable call set-up times
- Work plan TSG GERAN was updated (see attachments to the report for the updated Work Plan and a list of CRs).

TD SP-010415 Liaison Statement to GSMA TWG on GPRS testing. This LS, which had been copied to the TSGs for information, was presented by the TSG GERAN Chairman. It responded to a Liaison from the GSMA TWG which expressed concern on potential delays to GPRS terminals. In order to secure speedy deployment of GPRS PCCCH/PBCCH functionality TSG GERAN has agreed the following program:

1. No change to R97
2. Definition of a recommended set of GPRS PCCCH/PBCCH features based on test capabilities and operator priorities, to ensure fast and safe mass market take-up of GPRS
3. IoT program that will first verify the recommended set, with the intention to verify the full PCCCH/PBCCH functionality, latest by the R99 implementation

GERAN also pointed out the need for test specifications for GPRS testing to ensure that live operation can quickly follow the finalisation of the specifications.

After a short discussion, the LS was noted.

TD SP-010402 Letter from Motorola: Re The availability of Motorola's Test Capability. This had been sent on the TSG SA e-mail list and was noted by the meeting without presentation.

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

This was included in the report from the GERAN Chairman, under agenda item 8.4.1. See also Annex E.

8.4.3 Information on status and changes to deliverables

This was included in the report from the GERAN Chairman, under agenda item 8.4.1. See also Annex F.1.

8.5 Letters to others groups

8.5.1 Liaisons to TSG SA #13

Number	Title	Source	Agenda item	Document for
SP-010403	Letter from ETSI-BRAN Chairman to SA: Interworking collaboration between ETSI-BRAN and 3GPP	ETSI-BRAN Chairman	6.2	Discussion
SP-010404	LS from SPAN-11 WP NAR to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce	ETSI-SPAN-11 WP NAR	6.2	Action
SP-010405	LS from GSMA SerG to SA: Hand over scenario's between 2G and 3G networks	GSMA SerG	6.2	Information
SP-010406	LS from ETSI TIPHON to SA: Convergence of QoS approaches in 3GPP and TIPHON	TIPHON	6.2	Action / Information
SP-010407	LS from SA WG1 to ETSI-BRAN, cc SA : Reply to ETSI Project Broadband Radio Access Networks (EP BRAN)	SA WG1	7.1.2	Information
SP-010408	LS from SA WG1 to SA: IP Based Multimedia Services Framework Report	SA WG1	7.1.2	Information
SP-010409	LS from SA WG5 to SA WG1, cc SA: Reply to LS on basic and advanced services examples (S1-010271/ S5-010302)	SA WG5	7.5.2	Information
SP-010410	LS to SA WG5, SA WG2, cc SA: Reply LS on consistent description regarding the use of Charging Characteristics	CN WG4	8.1.1	Information
SP-010413	Co-ordination of SDO input to ITU-T Q.REF-1	TSG CN	8.1.1	Discussion / Decision
SP-010414	IP Based Multimedia Services Framework (TR 22.941) Report Work Plan	SA WG1	7.1.2	Information
SP-010415	Liaison Statement to GSMA TWG on GPRS testing	TSG GERAN	8.4.1	Information
SP-010526	LS from CN on Removal of SIWF from R99 and onward	TSG CN	8.1.1	Discussion
SP-010527	LS from CN on the WID: AMR-WB Speech Service – Core Network Aspects	TSG CN	8.1.1	Discussion
SP-010528	LS to TSG SA on the documents to be considered for the Revision of Recommendation ITU-R M.145	TSG RAN	8.2.2	Discussion

8.5.2 Liaisons from TSG SA #13

Number	Title	Source	Agenda item	Status
SP-010544	Response to LS from SPAN11 WP NAR "Liaison statement to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce" SPAN11 WP NAR, ETSI OCG	3GPP SA	6.2	Approved
SP-010557	LS to SyncML on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Approved
SP-010558	LS to GSM-A on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Approved
SP-010578	Answer to Liaison on Hand over scenario's between 2G and 3G networks to GSMA SERG	3GPP TSG SA (Alcatel)	8.5	Approved
SP-010593	LS to ETSI EP BRAN: WLAN-UMTS interworking	TSG SA	8.9	Approved
SP-010594	LS to IEEE 802, Home RF Forum	TSG SA	8.9	Approved

8.6 Review of Release 1999 and Release 4 specification sets

TD SP-010533 (revision of TD SP-010416) Revised CR to 21.101: "Correction to list of specs". It was noted that 23.054 had been removed from Rel-4. The CR was updated to reflect this and provided in TD SP-010585 and the revised CR was then approved.

TD SP-010534 (revision of TD SP-010417) Revised CR to 21.102: "Correction to list of specs". This CR was approved.

TD SP-010524 (revision of TD SP-010419) CR to 01.01: "GSM Release 1999 specifications. It was noted that 23.054 had been removed from Rel-4. Terminology corrections the first paragraph and the note in section 6 was also requested. The CR was updated to reflect this and provided in TD SP-010586 and the revised CR was then approved.

TD SP-010575 (revision of TD SP-010420) Revised CR to 41.102: "GSM Release 4 Specifications". Terminology corrections the first paragraph and the note in section 5 was also requested. The CR was updated to reflect this and provided in TD SP-010587. A minor correction was made and the document updated in TD SP-010592 and the revised CR was then approved.

TD SP-010482 Proposed CR to 21.801-400: Correction of invalid clause reference. This CR was approved.

8.7 General aspects of Release handling and definition

There were no contributions under this agenda item.

8.8 Review of Release 5 status, content and Scheduling

TD S3-010483 Release 5 Content and Timing With Respect to IMS. This was considered under agenda item 6.2 and considered with documents TD SP-010425, TD SP-010487, TD SP-010486 and TD SP-010539.

TD S3-010425 Scope of IMS in Release 5. This contribution was provided by a number of members and was introduced by Vodafone. The contribution proposes that Release 5 is scheduled for March 2002, IMS shall be introduced in two consistent phases, with the first phase included in Release 5 and the second phase included in Release 6 and that the prioritisations of the work items in the contribution are used as a basis for the further work in the WGs. It was clarified that many conversational services would not be achievable for Release 5, but should be included in Release , with the basic "bearer" services being provided in Release 5 for support of these.

TD S3-010487 Comments on SP-010425, Scope of IMS in Release 5, from AT&T Wireless Services and Rogers Wireless. This was presented by AT&T and details what features are considered essential in Release 5 from an operators perspective.

TD S3-010486 Determining the Timing and Scope Of Release 5. This was provided by BT and highlights the issues of the timing and the scope of Release 5. It suggests that a realistic timescale will be March 2002 and the decision on content should be an issue for discussing in the WGs.

TD S3-010539 The Minimum Acceptable Functionality of IMS in Release 5 – An Operator's Perspective. This was provided and presented by BT and identifies the minimum functionality for the Release 5 IMS system. This was updated in TD SP-010549 to correct editorial errors with respect to TSG CN WIs.

TD S3-010546 MCC Review of the Work Plan at Plenary #13. This was introduced by Alain Sultan, MCC, and provided the MCC view on the IMS features that could be included in Release 5 with a March 2002 target date.

TD S3-010447 Identifying the minimum functionality of IMS. This was introduced by Alain Sultan, MCC, and considered the consequences of not including certain items within the IMS Feature.

Discussion and conclusions:

It was noted that all contributions provide a target date of March 2002 for Release 5 completion. The TSG SA Chairman asked whether this date was dependent on the work proposed to be included being finalised in time.

TD S3-010563 This was covered by TD SP-010570 and was withdrawn.

TD S3-010567 IMS content for Rel-5. This was provided by BT, Orange (UK, France, Switzerland), Hutchison 3G, Blu, Telefonica and KPN and was presented by Orange UK. Based upon the updated work plan it proposed that the date for Rel-5 is scheduled for March 2002 and provided a list of features which should be included in the Release. The TSG SA Chairman asked whether if any of the listed WIs were delayed beyond March 2002, then there would be a delay to the Release. It was stated that the WIs listed do not show any expected delays to the March 2002 deadline, except for Security which could be expected by June 2002. It was further clarified that any delays to the other WIs would mean a possible delay to the Release.

TSG RAN Chairman stated that there was no work in TSG RAN for end-to-end QoS. It was not known if there should be because no analysis had yet been performed by TSG RAN.

TD S3-010570 IMS Rel 5 essential feature. This was provided by Alcatel, Ericsson, Lucent, Nokia, Nortel and Siemens, and provided classifications for each WI depending on it's status related to Release 5. It suggested modifications to split some of the features and contained differences to the list in TD SP-010567.

The list of items marked as essential was presented and discussed. The main differences identified were the Go interface (line 86) and Interworking between IMS and CS networks (line 60).

It was generally accepted that OAM and conformance testing would be allowed a later completion to the agreed Release date as is usual for these aspects of a Release.

It was commented that at the finalisation of Rel-5, Release 1999 and Rel-4 systems will probably only just be being implemented, so the Stability of the Rel-5 need not be as good as the corrected Rel-4 specifications, but will have some time before implementation for final corrections. It was further commented that operators who have implemented Release 1999 and Rel-4 systems will have CS functionality which they will want to continue using for some time, given the necessary investment incurred.

It was summarised that there was much agreement in the contributions, and the March Release date was common, both were based on the updated Work Plan, which should be used to list the expected content, there is a little risk that some items will be delayed which will have to be considered at a later time. The SA Chair suggested that the target date should be March 2002, the content should be taken as those features expected to be completed by this date according to the latest Work Plan (and including the expected Security work, delayed until June), and also allowing a later completion date for OAM and testing specifications. **There was no objection to this suggestion, and it was therefore agreed that March 2002 is the target date for Rel-5**.

The TDs were noted and the prioritisation of the work would be for those work items which are scheduled for completion by March 2002, later items (apart from those specifically identified as exceptions, i.e. IMS security) should be given lower priority in the WGs.

<A list of essential features for IMS will be produced for guidance on prioritisation of Members contribution to the work. For items where no agreement can be obtained on their being essential, then these should be identified as secondary priority.> **<WARNING - TO BE CONFIRMED - THIS WAS NOT PART OF THE CONCLUSION>**

TD SP-010418 1st draft 21.103: "3rd Generation mobile system Release 5 Specifications". This was provided for information, and an updated version will be provided to TSG SA#14 for information with the expectation of final presentation for approval at TSG SA#15 (or when Release 5 is frozen). The TS was noted.

TD SP-010421 1st draft 41.103: "GSM Release 5 Specifications". This was provided for information, and an updated version will be provided to TSG SA#14 for information with the expectation of final presentation for approval at TSG SA#15 (or when Release 5 is frozen). The TS was noted.

TD SP-010422 Specs status list prior to TSGs#13. This was provided for information and was noted.

TD SP-010423 Specs status list at end of TSG SA#13. This was not available due to the need to finalise the CR status and will be provided for information on the e-mail list after the meeting (Comments should be sent to john.meredith@etsi.fr).

TD SP-010591 IMS Rel 5 – Essential Features. This was provided by Alcatel, AWS, Cingular Wireless, Ericsson, Lucent, Nokia, Nortel, Mannesmann Mobilfunk, Siemens, Telenor, Telia and Vodafone Group, and was presented by Telenor.

It was commented that Lawful Interception was likely to be a requirement for the implementation of the IMS.

TSG SA noted this document as representing a view of the essentiality of the sub-functions within the IMS for Rel-5.

NOTE: When the term "noted" is used in this report, it is to be understood that the document was seen, discussed, but **not approved** by TSG SA.

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

TD SP-010540 Proposed WID on Digital Rights Management (DRM). This was provided by Motorola, Nokia, Siemens and Vodafone and was presented by Nokia. The SA WG1 Chairman asked that the requirements should be done before SA WG4 start their work, and therefore the WI leadership should start as SA WG1 and updated to SA WG4 at a later date. It was agreed to modify the WID to show SA WG1 as leader and SA WG4 as one of the supporting WGs. The name of the rapporteur will be provided when known (marked as Nokia in the present WID). The WID was updated and provided in TD SP-010577 which was approved.

TD SP-010565 (revision of TD SP-010480) WI Proposal : 'WLAN-UMTS Interworking'. This was provided by Telenor, Telia, Ericsson, Microsoft and KPN and was presented by Telenor. The discussion of technical solutions was considered inappropriate for a WI description sheet, and removal of this was agreed. The requirements document was scheduled for SA#16 and this was considered too late, and SA#15 was considered better. It was suggested that a feasibility study should be carried out beforehand to determine the likely impact on other specifications. It was agreed to update the WID to take the comments into account, which was provided in TD SP-010582 which was updated to remove revision marks in TD SP-010588 and was approved.

A LS to ETSI BRAN had been agreed in response to their LS in TD SP-010403 and it was suggested that a liaison to IEEE and the Home RF Forum would also be appropriate. **Formal liaison to these bodies should therefore be obtained from the OP/PCG.**

TD SP-010584 (revision of TD SP-010569) LS to IEEE 802, Home RF Forum. This was revised to clarify the text in TD SP-010590. This was updated to source TSG SA and provided in TD SP-010594 and was approved.

TD SP-010424 Spec numbers and titles. This was provided for information and gave the status at time of production of the list. The list will be updated on the 3GPP web site when the final status is determined after the close of TSG SA. It was noted that the systems based on 3GPP specifications can be called a "3GPP system", with the qualifier "GERAN access", "UTRAN access" or with no qualifier which would imply either system conforming to specifications produced by 3GPP. Mr. Meredith was asked to clarify this in future lists, and the document was noted.

A tentative date for Release 6 was requested. The TSG SA Chairman indicated that the timescale should be adequate for the expected additional features to be developed, but this could not be fixed at present. He suggested that a 15 month cycle may be realistic.

8.10 Other issues

There were no contributions under this agenda item.

9 Project Management

9.1 Review of work programme

There were no specific contributions under this agenda item. The work programme review was presented under agenda item 7.6.

9.2 Working methods

There were no contributions under this agenda item.

9.3 Other issues

There were no contributions under this agenda item.

10 Project support

TD SP-010559 Report of Support Team activities. This was presented by A. Scrase, Head of MCC, who reported that Michael Sanders had decided to leave MCC at the end of 2001 and return to Australia. He was recognised as a valuable member of the MCC team and will be a great loss to the Project. A replacement will be recruited and Members were asked to consider suitable experts within their companies to take over this work. The statistics on the performance of MCC in implementation of CRs was presented and the results of a Chairman's survey was reported as successful, and MCC were considered to be performing well. One main change was in response to the 3GPP web site structure comments and this has now been re-designed and published to try to improve it. The funding and finance group had met in September and agreed to continue the MCC budget at a similar magnitude, so support can be expected at a similar level as for 2001. **Any additional resource requirements should be made known to MCC by the WG Chairmen immediately**.

MCC will create a DVD after this TSG meeting containing the specifications, documents and meeting reports from the TSGs, and sold to Members. Depending on the success of this, the production of Post-TSG DVDs may become a regular service.

11 Postponed issues from earlier in the meeting

The postponed items (revised documents, etc.) are reported under their respective agenda items for convenience.

12 Work plan and future meetings

TD SP-010564 3GPP TSG Calendar of meetings. This was provided for information. The hosts for TSG #14 should be modofied to show ARIB/TTC. the meeting calendar was then noted.

3G Evolution Workshop: 18-19 October 2001, Helsinki, Finland, Hosted by Nokia.

It was clarified that this workshop did not have a mandate for approval, but could provide advice and recommendations to TSG SA.

Meeting	**2001**	**Location**	**Primary Host**
TSG#14	11 - 20 December	Kyoto	ARIB/TTC
Meeting	**2002**	**Location**	**Primary Host**
TSG#15	5 – 14 March	Korea	TTA
TSG#16	4 –13 June	Marco Island, FL, USA	Motorola
TSG#17	3 – 12 September	France	Alcatel
TSG#18	3 – 12 December	USA	NA ‘Friends of 3GPP’
Meeting	**2003**	**Location**	**Primary Host**
TSG#19	March (tba)	UK	UK ‘Friends of 3GPP’
TSG#20	June (tba)	Finland	Nokia

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

13 Any other business

There were no contributions under this agenda item.

14 Close of meeting

The TSG SA Chairman thanked the hosts, Lucent Technologies for the excellent location and facilities, and the support staff for the arrangement of the meeting and IT staff for the good LAN facilities and service.

Annex A: Co-ordinates of TSG and WG Officials

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Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 93 65 28 17	
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A.5 TSG GERAN Officials

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Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010400	Draft Agenda for meeting #13	SA Chairman	2	Approval	
SP-010401	Draft Report of meeting #12 - version 0.0.6	SA Secretary	3	Approval	
SP-010402	Letter from Motorola: Re The availabilty of Motorolas Test Capability	TSG GERAN	8.4.1	Information	
SP-010403	Letter from ETSI-BRAN Chairman to SA: Interworking collaboration between ETSI-BRAN and 3GPP	ETSI-BRAN Chairman	6.2	Discussion	
SP-010404	LS from SPAN-11 WP NAR to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce	ETSI-SPAN-11 WP NAR	6.2	Action	
SP-010405	LS from GSMA SerG to SA: Hand over scenario's between 2G and 3G networks	GSMA SerG	6.2	Information	
SP-010406	LS from ETSI TIPHON to SA: Convergence of QoS approaches in 3GPP and TIPHON	TIPHON	6.2	Action / Information	
SP-010407	LS from SA WG1 to ETSI-BRAN, cc SA : Reply to ETSI Project Broadband Radio Access Networks (EP BRAN)	SA WG1	7.1.2	Information	
SP-010408	LS from SA WG1 to SA: IP Based Multimedia Services Framework Report	SA WG1	7.1.2	Information	
SP-010409	LS from SA WG5 to SA WG1, cc SA: Reply to LS on basic and advanced services examples (S1-010271/ S5-010302)	SA WG5	7.5.2	Information	
SP-010410	LS to SA WG5, SA WG2, cc SA: Reply LS on consistent description regarding the use of Charging Characteristics	CN WG4	8.1.1	Information	
SP-010411	IP Based Multimedia Services Framework Report TR 22.941 Call For Contributions	R Wohlert, SBC Communications TR 22.941 Rapporteur	7.1.2	Presentation	
SP-010412	New SG 16 work on Distributed Speech Recognition (DSR) and Distributed Speaker Verification (DSV)	ITU-T SG16	6.3	Action	
SP-010413	Co-ordination of SDO input to ITU-T Q.REF-1	TSG CN	8.1.1	Discussion / Decision	
SP-010414	IP Based Multimedia Services Framework (TR 22.941) Report Work Plan	SA WG1	7.1.2	Information	
SP-010415	Liaison Statement to GSMA TWG on GPRS testing	TSG GERAN	8.4.1	Information	
SP-010416	CR to 21.101: "Correction to list of specs"	MCC	8.6	Approval	SP-010533
SP-010417	CR to 21.102: "Correction to list of specs"	MCC	8.6	Approval	SP-010534
SP-010418	1st draft 21.103: "3rd Generation mobile system Release 5 Specifications"	MCC	8.8	Information	
SP-010419	CR to 01.01: "GSM Release 1999 specifications.	MCC	8.6	Approval	SP-010524
SP-010420	CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	SP-010536
SP-010421	1st draft 41.103: "GSM Release 5 Specifications"	MCC	8.8	Information	
SP-010422	Specs status list prior to TSGs#13	MCC	8.8	Information	
SP-010423	Specs status list at end of TSG SA#13	MCC	8.8	Information	
SP-010424	Spec numbers and titles	MCC	8.9	Information	
SP-010425	Scope of IMS in Rel 5	Alcatel, Cingular, D2 Mannesmann, Elisa Communications, Ericsson, Nokia, Omnitel, Siemens, TIM, Vodafone Group	8.8	Approval	
SP-010426	Presentation of SA1 to SA #13	SA WG1	7.1.1	Presentation	
SP-010427	Status report of SA1 to SA #13	SA WG1	7.1.1	Information	
SP-010428	CR 22.100-030r1 on Correction of support of facsimile teleservice for UMTS R99 specifications	SA WG1	7.1.3	Approval	
SP-010429	CRs to 21.905 on Adding new definitions to 21.905 for In Iu mode and In A/Gb mode	SA WG1	7.1.3	Approval	
SP-010430	CRs to 21.905 on Alignment of definitions requested by RAN 4	SA WG1	7.1.3	Approval	
SP-010431	CR to 21.905 version 5.0.0 Nomenclature for GTT	SA WG1	7.1.3	Approval	
SP-010432	Various CRs to 22.078	SA WG1	7.1.3	Approval	
SP-010433	CR to 22.226 version 5.0.0 GTT Stage 1 as requested by SA on Subscription for GTT	SA WG1	7.1.3	Approval	
SP-010434	CR to 22.129 on Release 5 IMS Service Continuity Requirements	SA WG1	7.1.3	Approval	
SP-010435	CRs to 22.228 on Interworking with internet and Determination of terminal capability	SA WG1	7.1.3	Approval	
SP-010436	CRs to 22.101 and 22.127 on Definitions of Home Environment and HE-VASP	SA WG1	7.1.3	Approval	
SP-010437	CR 22.101-085 on Correction of MMS paragraph for streaming	SA WG1	7.1.3	Approval	
SP-010438	CR 22.228-009r2 on IM CN Subsystem Roaming	SA WG1	7.1.3	Approval	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010439	CRs to 22.127 Rel-5 to introduce new functions	SA WG1	7.1.3	Approval	
SP-010440	CR to 22.057 on Generic requirements for support of multiple MExE classmarks	SA WG1	7.1.3	Approval	
SP-010441	CRs to 22.101 on Addition of a statement on parameter storage on the SIM/USIM.	SA WG1	7.1.3	Approval	
SP-010442	CRs to 22.060 and 22.105 on Introduction of High Speed Downlink Packet Access	SA WG1	7.1.3	Approval	
SP-010443	Stage 1 description of Multimedia Broadcast/Multicast Service (22.146 v2.0.0) for approval	SA WG1	7.1.3	Approval	
SP-010444	Stage 1 description of Presence Service (22.141 v2.0.0) for approval	SA WG1	7.1.3	Approval	
SP-010445	WID for Distributed Speech Recognition (DSR)	SA WG1	7.1.3	Approval	SP-010551
SP-010446	WID for Generic User Profile	SA WG1	7.1.3	Approval	
SP-010447	Proposal for cleaning-up the IMS feature	MCC (A. Sultan)	7.6	Approval	SP-010550
SP-010448	Identifying the minimum functionality of IMS	MCC (A. Sultan)	8.8	Approval	
SP-010449	Withdrawn				
SP-010450	Withdrawn				
SP-010451	TSG S4 Status Report at TSG SA#13	SA WG4 Chairman	7.4.1	Information	
SP-010452	CRs to TS 26.104 Corrections to encoder-decoder operations AMR-NB floating point (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010453	CRs to TS 26.131 Introduction of ANR tolerance of 3 dB (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval	
SP-010454	CRs to TS 26.132 on Test signals and Bandwidth of test signals for acoustic testing (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval	
SP-010455	CRs to TS 26.173 Corrections to AMR-WB C-code and file format description (Release 5)	SA WG4	7.4.3	Approval	
SP-010456	CRs to TS 26.231 on Request to change muting of transmitter from 5th info bit to 4th info bit at beginning of a TTY burst (Release 5)	SA WG4	7.4.3	Approval	
SP-010457	CRs to TS 26.234 Corrections to Transparent end-to-end packet switched streaming service (PSS); Protocols and codecs (Release 4)	SA WG4	7.4.3	Approval	
SP-010458	CRs to TR 26.975 Clarification of 3G simulator settings used for AMR characterization in 3G channels (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010459	Work Item Description for Floating-point ANSI-C code for the AMR-WB speech codec	SA WG4	7.4.3	Approval	
SP-010460	Status report from SA WG5 to SA#13	SA WG5	7.5.1	Information	
SP-010461	Rel-5 WI Descriptions for Charging and OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM and 5 Building Blocks)	SA WG5	7.5.3	Decision	
SP-010462	R99 CR32.005 (Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain)	SA WG5	7.5.3	Decision	
SP-010463	R99 CR32.015 (Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain)	SA WG5	7.5.3	Decision	
SP-010464	Rel-4 Charging: delivery of all 4 draft V2.0.0 specifications for approval (32.200, 32.205, 32.215 and 32.235)	SA WG5	7.5.3	Decision	
SP-010465	Rel-4 CR32.101 (3G Telecom Management principles and high level requirements)	SA WG5	7.5.3	Decision	
SP-010466	Rel-4 CR32.102 (3G Telecom Management Architecture)	SA WG5	7.5.3	Decision	
SP-010467	Rel-4 Performance Management (PM): delivery of the remaining 2 out of 3 draft V2.0.0 specifications for approval (32.401, 32.402)	SA WG5	7.5.3	Decision	
SP-010468	Rel-4 CR32.403 (Telecommunication Management; Performance Measurements; UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Decision	
SP-010469	Rel-4 CR32.111-3 (Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set	SA WG5	7.5.3	Decision	
SP-010470	Rel-4 CR32.111-4 for upgrading R99 to Rel-4 (Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP Solution Set Version 1:1)	SA WG5	7.5.3	Decision	
SP-010471	Rel-4 CR32.304 (Telecommunication Management; Notification Integration Reference Point: CMIP Solution Set)	SA WG5	7.5.3	Decision	
SP-010472	CR52.071 Withdrawal from Rel-4 of 52.071 (Location Services (LCS); Location services management)	SA WG5	7.5.3	Decision	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010473	R99 CR32.106-6 (Basic Configuration Management IRP: CORBA Solution Set Version 1:1)	SA WG5	7.5.3	Decision	
SP-010474	Rel-4 CR32.111-2 & 32.111-3 on thresholdInfo in Alarm IRP	SA WG5	7.5.3	Decision	
SP-010475	Rel-4 CR32.101, 32.111-2 & 32.303 on Rule for IDL file names	SA WG5	7.5.3	Decision	SP-010522
SP-010476	Rel-4 CR32.602, 32.603 & 32.604 on Correction of invokeIdentifier usage	SA WG5	7.5.3	Decision	
SP-010477	Rel-4 CR32.652 & 32.654 on Adding mcc and mnc in the object model of GERAN (NRM)	SA WG5	7.5.3	Decision	
SP-010478	Rel-4 CR32.6x4 (IRP: CMIP SS) on Corrections due to document renumbering	SA WG5	7.5.3	Decision	
SP-010479	Rel-4 CR32.600-series Corrections	SA WG5	7.5.3	Decision	
SP-010480	WI Proposal : 'WLAN-UMTS Interworking'	Telenor, Telia, Ericsson	8.9	Discussion	SP-010565
SP-010481	ETSI-BRAN / UMTS Interworking	ETSI TB BRAN	6.2	Discussion	
SP-010482	Proposed CR to 21.801-400: Correction of invalid clause reference	MCC	8.6	Approval	
SP-010483	Release 5 Content and Timing With Respect to IMS	3G.IP	8.8	Information	
SP-010484	Work Item for UE Functionality Split	SA WG1 Chairman	7.1.3	Approval	
SP-010485	Handling of late feature proposals in 3GPP Releases	Siemens AG	4	Discussion	
SP-010486	Determining the Timing and Scope Of Release 5	BT	8.8	Discussion	
SP-010487	Comments on SP-010425, Scope of IMS in Release 5	AT&T Wireless Services; Rogers Wireless	8.8	Discussion	
SP-010488	Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'	Siemens	7.1.3	Discussion	
SP-010489	Proposed LS to ETSI EP BRAN: WLAN-UMTS interworking	Telia + …	8.9	Approval	SP-010583
SP-010490	SA WG3 Chairmans status report to TSG SA#13	SA WG3 Chairman	7.3.1	Information	
SP-010491	Draft Reports of SA WG3 meetings since SA#12	SA WG3 Chairman	7.3.1	Information	
SP-010492	1 CR to 33.102: Removing the list of access type codes from authentication failure report (Rel-4)	SA WG3	7.3.3	Approval	
SP-010493	2 CRs to 33.103: Correction of USIM data elements for AKA (R99, Rel-4)	SA WG3	7.3.3	Approval	
SP-010494	1 CR to 33.107: Missing location related information in Packet Data Event Records (R99)	SA WG3	7.3.3	Approval	
SP-010495	2 CRs to 33.107: Reporting of Secondary PDP context (R99, Rel-4)	SA WG3	7.3.3	Approval	
SP-010496	1 CR to 33.200: All messages of the same application context shall be applied MAPsec or not at all (Rel-4)	SA WG3	7.3.3	Approval	
SP-010497	1 CR to 33.200: Clarification of scope (Rel-4)	SA WG3	7.3.3	Approval	
SP-010498	1 CR to 33.200: Clarifications in SPD and SAD contents (Rel-4)	SA WG3	7.3.3	Approval	
SP-010499	1 CR to 33.200: MAPsec Message Flow including extra SPD table (Rel-4)	SA WG3	7.3.3	Approval	
SP-010500	1 CR to 33.200: Correction to security policy requirements (Rel-4)	SA WG3	7.3.3	Approval	
SP-010501	1 CR to 33.200: Content and identifiers of a MAPSec SA (Rel-4)	SA WG3	7.3.3	Approval	
SP-010502	1 CR to 33.200: MIA key length unspecified (Rel-4)	SA WG3	7.3.3	Approval	
SP-010503	1 CR to 33.200: MAC calculation in PM2 (Rel-4)	SA WG3	7.3.3	Approval	
SP-010504	Operators' Concerns over Service Requirements	BT Wireless, E-plus, Hutchison 3G, J-Phone, KPN, NTT DoCoMo, One 2 One, Orange France, Orange UK, SBC Communications, Telecom Italia, Telefonica Moviles, Vodafone Group, GSM Association	7.1.3	Discussion	
SP-010505	Issues Related with Inter-RAT PS Domain RT Handover (PS RT HO)	AT&T Wireless Services	7.1.3	Discussion and action	
SP-010506	SA2 report to SA#13	SA WG2 Chairman + MCC Support	7.2.1	Information	
SP-010507	TS 23.236 v.2.0.0 of "Intra Domain connection of RAN nodes to multiple CN nodes"	SA WG2	7.2.3	Approval	SP-010573
SP-010508	TR 23.974 v.2.0.0 on "Stage 2 for Push services"	SA WG2	7.2.3	Approval	
SP-010509	CRs on 03.60 and 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval	
SP-010510	CRs on 03.71, 23.171 and 23.271 (LCS Stage 2)	SA WG2	7.2.3	Approval	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010511	CRs on 23.002 (Network Architecture)	SA WG2	7.2.3	Approval	
SP-010512	CRs on 23.107 (QoS)	SA WG2	7.2.3	Approval	
SP-010513	CRS on 23.207 (E2E QoS)	SA WG2	7.2.3	Approval	
SP-010514	CRs on 23.221 (Architecture Requirements)	SA WG2	7.2.3	Approval	
SP-010515	CRs on 23.228 (IMS)	SA WG2	7.2.3	Approval	
SP-010516	WI on S2's involvement in MBMS	SA WG2	7.2.3	Approval	
SP-010517	WI on S2's involvement in Presence	SA WG2	7.2.3	Approval	
SP-010518	Revised WI on LCS in Rel5	SA WG2	7.2.3	Approval	SP-010574
SP-010519	WI on S2's involvement in IMS Charging	SA WG2	7.2.3	Approval	
SP-010520	Liaison Statement to 3GPP and 3GPP2	MESA steering committee#03	6.2	Information	
SP-010521	QoS Option Reduction/Prioritisation in 23.207	Vodafone Group plc; Omnitel; Mannesmann Mobilfunk; Ericsson; Nokia	7.2.3	Approval	
SP-010522	Rel-4 CR32.102, 32.111-2 & 32.303 on Rule for IDL file names	SA WG5	7.5.3	Decision	
SP-010523	WI description: Priority Service	Telcordia Technologies, Inc	7.1.3	Approval	
SP-010524	CR to 01.01: "GSM Release 1999 specifications.	MCC	8.6	Approval	SP-010586
SP-010525	Report on activitities of IETF (Presentation)	IETF Liaison Officer	6.3	Presentation	
SP-010526	LS from CN on Removal of SIWF from R99 and onward	TSG CN	8.1.1	Discussion	
SP-010527	LS from CN on the WID: AMR-WB Speech Service – Core Network Aspects	TSG CN	8.1.1	Discussion	
SP-010528	LS to TSG SA on the documents to be considered for the Revision of Recommendation ITU-R M.145	TSG RAN	8.2.2	Discussion	
SP-010529	LS to SyncML on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Discussion	SP-010557
SP-010530	LS to GSM-A on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Discussion	SP-010558
SP-010531	Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'	IBM	7.1.3	Discussion	
SP-010532	Proposed WI description: the 3GPP Generic User Profile	Vodafone	7.1.3	Approval	SP-010548
SP-010533	Revised CR to 21.101: "Correction to list of specs"	MCC	8.6	Approval	SP-010585
SP-010534	Revised CR to 21.102: "Correction to list of specs"	MCC	8.6	Approval	
SP-010535	Withdrawn		8.8		
SP-010536	Revised CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	
SP-010537	3GPP Work Plan	MCC	7.6	Approval	
SP-010538	Withdrawn		8.8		
SP-010539	The Minimum Acceptable Functionality of IMS in Release 5 – An Operator's Perspective	BT	8.8	Discussion	SP-010549
SP-010540	Proposed WID on Digital Rights Management (DRM)	Motorola, Nokia, Siemens, Vodafone	8.9	Approval	SP-010577
SP-010541	CN#13 Draft Report	CN	8.1.1	Information	
SP-010542	CN Report to SA#13 (slides)	CN	8.1.1	Information	
SP-010543	Priority Access Service Preliminary Requirements	Voicestream Wireless	7.1.3	Discussion and Action	
SP-010544	Response to LS from SPAN11 WP NAR "Liaison statement to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce" SPAN11 WP NAR, ETSI OCG	3GPP SA	6.2	Approval	
SP-010545	CR 22.905-017 on Application of RAN CR 21.905-008 to R99	RAN	7.1.3		
SP-010546	MCC review of the Work Plan	MCC	8.8	Approval	SP-010552
SP-010547	Clarification on Iu flex	T-Mobile	7.2.3	Discussion	
SP-010548	Work Item Description: The 3GPP Generic User Profile	Vodafone	7.1.3	Approval	
SP-010549	The Minimum Acceptable Functionality of IMS in Release 5 – An Operator's Perspective	BT	8.8	Discussion	
SP-010550	Proposal for cleaning-up the IMS feature	MCC (A. Sultan)	7.6	Approval	
SP-010551	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	Alcatel, Motorola, Qualcomm, France Telecom, Texas Instruments, Vodafone, Mannesmann, Omnitel, IBM, Sony.	7.1.3	Approval	SP-010555
SP-010552	MCC review of the Work Plan	MCC	7.6	Approval	
SP-010553	Additionnal CR on 23.228	SA2	7.2.3.	Approval	
SP-010554	GERAN status Report	GERAN Chairman	8.4.1	Information	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010555	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	Alcatel, Motorola, Qualcomm, France Telecom, Texas Instruments, Vodafone, Mannesmann, Omnitel, IBM, Sony.	7.1.3	Approval	SP-010580
SP-010556	Withdrawn IMS Rel 5 essential feature	Drafting group / Nortel	8.8	Approval	
SP-010557	LS to SyncML on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Discussion	
SP-010558	LS to GSM-A on Generic User Profile	User Profile ad-hoc chairman	7.1.3	Discussion	
SP-010559	Report of Support Team activities	MCC (Adrian Scrase)	10	Information	
SP-010560	TSG RAN #13 meeting Report	TSG RAN Chairman	8.2.1	Information	
SP-010561	TSG T Status report	TSG T Chairman	8.3.1	Information	SP-010571
SP-010562	Development & Deployment of TTCN Tests for 3GPP Terminals	ETSI PTCC	8.3.1	Information	
SP-010563	Withdrawn - IMS proposal for IMS work in Release 5 and later releases (covered by SP-010570)		8.8	Discussion	
SP-010564	3GPP TSG Calendar of meetings	MCC (Adrian Scrase)	12	Information	
SP-010565	WI Proposal : 'WLAN-UMTS Interworking'	Telenor, Telia, Ericsson,Microsoft, KPN	8.9	Discussion	SP-010582
SP-010566	ETSI ES	ETSI STQ Aurora	7.1.3	Information	
SP-010567	IMS content for R5	Orange PCS Ltd + others	8.8	Discussion	
SP-010568	Revised CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	
SP-010569	Proposed LS to IEE	Telia, Telenor, Ericsson	8.9	Approval	SP-010584
SP-010570	IMS Rel 5 essential feature	Alcatel, Ericsson, Lucent, Nokia, Siemens	8.8	Approval	SP-010579
SP-010571	TSG T Status report	TSG T Chairman	8.3.1	Information	
SP-010572	WI on Speech Recognition and Speech Enabled Services	Ericsson, IBM, Nokia, Siemens, T-Mobil	7.1..3	Approval	
SP-010573	TS 23.236 v.2.0.0 of "Intra Domain connection of RAN nodes to multiple CN nodes"	SA WG2	7.2.3	Approval	
SP-010574	Revised WI on LCS in Rel5	SA WG2	7.2.3	Approval	
SP-010575	Revised CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	SP-010587
SP-010576	Proposed answer to Liaison on Hand over scenario's between 2G and 3G networks to GSMA SERG	3GPP TSG SA (Alcatel)	8.5	Approval	SP-010578
SP-010577	WID on Digital Rights Management (DRM)	Motorola, Nokia, Siemens, Vodafone		8.9	Approval
SP-010578	Answer to Liaison on Hand over scenario's between 2G and 3G networks to GSMA SERG	3GPP TSG SA (Alcatel)	8.5	Approval	
SP-010579	IMS Rel 5 – Essential Features	Alcatel, AWS, Cingular Wireless, Ericsson, Lucent, Nokia, Nortel, Mannesmann Mobilfunk, Siemens, Telenor, Telia, Vodafone Group	7.8	Approval	
SP-010580	Withdrawn - Created in error				
SP-010581	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	Alcatel, Motorola, Qualcomm, France Telecom, Texas Instruments, Vodafone, Mannesmann, Omnitel, IBM, Sony.	7.1.3	Approval	
SP-010582	WI Proposal: Feasibility study on WLAN-UMTS interworking	Telenor, Telia, Ericsson, Microsoft, KPN, Siemens	8.9	Discussion	SP-010588
SP-010583	LS to ETSI EP BRAN: WLAN-UMTS interworking	Telia, Telenor, Ericsson	8.9	Approval	SP-010589
SP-010584	LS to IEEE 802, Home RF Forum	Telia, Telenor, Ericsson	8.9	Approval	SP-010590
SP-010585	Revised CR to 21.101: "Correction to list of specs"	MCC	8.6	Approval	
SP-010586	CR to 01.01: "GSM Release 1999 specifications.	MCC	8.6	Approval	
SP-010587	Revised CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	SP-010592

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010588	WI Proposal: Feasibility study on WLAN-UMTS interworking	Telenor, Telia, Ericsson, Microsoft, KPN, Siemens	8.9	Discussion	
SP-010589	LS to ETSI EP BRAN: WLAN-UMTS interworking	Telia, Telenor, Ericsson	8.9	Approval	SP-010593
SP-010590	LS to IEEE 802, Home RF Forum	Telia, Telenor, Ericsson	8.9	Approval	SP-010594
SP-010591	IMS Rel 5 – Essential Features	Alcatel, AWS, Cingular Wireless, Ericsson, Lucent, Nokia, Nortel, Mannesmann Mobilfunk, Siemens, Telenor, Telia, Vodafone Group	8.8	Information	
SP-010592	Revised CR to 41.102: "GSM Release 4 Specifications"	MCC	8.6	Approval	
SP-010593	LS to ETSI EP BRAN: WLAN-UMTS interworking	TSG SA	8.9	Approval	
SP-010594	LS to IEEE 802, Home RF Forum	TSG SA	8.9	Approval	

Annex C: List of attendees and TSG SA Voting List

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

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

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

List Created on: <date>

This report shows the 3GPP Member Companies on the Voting List for **TSG SA Meeting #14**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.fr

Organisation Name	Organisation Status	~~Partner~~ Country
Agere Systems Deutschland GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
AirNet Communications Corp.	3GPPMEMBER ETSI	US~~ETSI~~
Airslide Systems Inc.	3GPPMEMBER ETSI	IL~~ETSI~~
ALCATEL France	3GPPMEMBER ETSI	FR~~ETSI~~
ALCATEL Italia SpA	3GPPMEMBER ETSI	IT~~ETSI~~
ALCATEL S.A.	3GPPMEMBER ETSI	FR~~ETSI~~
AT&T Corp.	3GPPMEMBER T1	US
AT&T Wireless Services, Inc.	3GPPMEMBER T1	US~~T1~~
AWARD Solutions Inc.	3GPPMEMBER ETSI	US~~ETSI~~
Bamboo MediaCasting	3GPPMEMBER ETSI	IL~~ETSI~~
BLU S.p.a	3GPPMEMBER ETSI	IT~~ETSI~~
BMWi	3GPPMEMBER ETSI	DE~~ETSI~~
BOUYGUES Telecom	3GPPMEMBER ETSI	FR~~ETSI~~
BT Group Plc	3GPPMEMBER ETSI	GB~~ETSI~~
CATT	3GPPMEMBER CWTS	CN~~CWTS~~
CEGETEL	3GPPMEMBER ETSI	FR~~ETSI~~
Celltick Technologies Inc.	3GPPMEMBER ETSI	IL~~ETSI~~
CETECOM GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
China Mobile Company Corp.	3GPPMEMBER CWTS	CN~~CWTS~~
Cingular Wireless LLC	3GPPMEMBER T1	US~~T1~~
Cisco Systems Inc.	3GPPMEMBER T1	US~~T1~~
CommWorks Corporation	3GPPMEMBER ETSI	US~~ETSI~~
COMNEON GmbH & Co	3GPPMEMBER ETSI	DE
Comverse Network Systems	3GPPMEMBER ETSI	NL
Conexant Systems, Inc.	3GPPMEMBER T1	US~~T1~~
Convergelabs GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
Dansk MobilTelefon I/S	3GPPMEMBER ETSI	DK~~ETSI~~
Deutsche Telekom MobilNet	3GPPMEMBER ETSI	DE~~ETSI~~
DoCoMo Europe S.A.	3GPPMEMBER ETSI	FR~~ETSI~~
Dolby Laboratories Inc.	3GPPMEMBER ETSI	GB~~ETSI~~
DTI	3GPPMEMBER ETSI	GB~~ETSI~~
Ericsson Inc.	3GPPMEMBER T1	US~~T1~~
Ericsson Korea	3GPPMEMBER TTA	KR~~TTA~~
ERICSSON L.M.	3GPPMEMBER ETSI	SE~~ETSI~~
ETRI	3GPPMEMBER TTA	KR~~TTA~~
FEEI	3GPPMEMBER ETSI	AT~~ETSI~~
FICORA	3GPPMEMBER ETSI	FI
France Telecom	3GPPMEMBER ETSI	FR~~ETSI~~
FUJITSU Laboratories of Europe	3GPPMEMBER ETSI	GB~~ETSI~~
Fujitsu Limited	3GPPMEMBER ARIB	JP~~ARIB~~
Fujitsu Limited	3GPPMEMBER TTC	JP~~TTC~~
GIESECKE & DEVRIENT GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
Golden Bridge Technology Inc.	3GPPMEMBER T1	US~~T1~~
HuaWei Technologies Co., Ltd	3GPPMEMBER CWTS	CN~~CWTS~~
Hutchison 3G UK Limited	3GPPMEMBER ETSI	GB~~ETSI~~
ICP	3GPPMEMBER ETSI	PT~~ETSI~~
InterWAVE Com. Intern. B.V.	3GPPMEMBER ETSI	NL~~ETSI~~
J-Phone Communications Co.Ltd.	3GPPMEMBER ARIB	JP~~ARIB~~
Japan Telecom Co. Ltd	3GPPMEMBER ARIB	JP
Japan Telecom Co. Ltd	3GPPMEMBER TTC	JP
Kevab	3GPPMEMBER ETSI	SE~~ETSI~~
Korea Telecom Freetel	3GPPMEMBER TTA	KR~~TTA~~
KPN NV	3GPPMEMBER ETSI	NL~~ETSI~~
Lucent Technologies	3GPPMEMBER T1	US~~T1~~
Lucent Technologies B.V.	3GPPMEMBER ETSI	NL~~ETSI~~

Organisation Name	Organisation Status	~~Partner~~ Country
Lucent Technologies Japan Ltd.	3GPPMEMBER TTC	JP~~TTC~~
Lucent Technologies N. S. UK	3GPPMEMBER ETSI	GB~~ETSI~~
MANNESMANN Mobilfunk GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
MARCONI COMMUNICATIONS	3GPPMEMBER ETSI	GB~~ETSI~~
Materna GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
Matsushita Communication	3GPPMEMBER ARIB	JP~~ARIB~~
MATSUSHITA COMMUNICATION	3GPPMEMBER ETSI	GB~~ETSI~~
Megisto Systems Inc.	3GPPMEMBER ETSI	US~~ETSI~~
MICROSOFT EUROPE SARL	3GPPMEMBER ETSI	FR~~ETSI~~
MINISTERO DELLE COMUNICAZIONI	3GPPMEMBER ETSI	IT~~ETSI~~
Mitsubishi Electric Co.	3GPPMEMBER ARIB	JP~~ARIB~~
MITSUBISHI Electric Telecom	3GPPMEMBER ETSI	FR~~ETSI~~
MOTOROLA A/S	3GPPMEMBER ETSI	DK~~ETSI~~
MOTOROLA GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
Motorola Inc.	3GPPMEMBER T1	US~~T1~~
MOTOROLA Ltd	3GPPMEMBER ETSI	GB~~ETSI~~
MOTOROLA S.A.	3GPPMEMBER ETSI	FR~~ETSI~~
MOTOROLA SEMICONDUCTOR ISRAEL	3GPPMEMBER ETSI	IL~~ETSI~~
National Communications System	3GPPMEMBER ETSI	US
NEC Corporation	3GPPMEMBER ARIB	JP~~ARIB~~
NEC Corporation	3GPPMEMBER TTC	JP~~TTC~~
NOKIA Corporation	3GPPMEMBER ETSI	FI~~ETSI~~
Nokia Telecommunications Inc.	3GPPMEMBER T1	US~~T1~~
NOKIA UK Ltd	3GPPMEMBER ETSI	GB~~ETSI~~
NORTEL NETWORKS (EUROPE)	3GPPMEMBER ETSI	GB~~ETSI~~
Northstream AB	3GPPMEMBER ETSI	SE~~ETSI~~
Norwegian P & T Authority	3GPPMEMBER ETSI	NO
NTT Communication Ware Corp.	3GPPMEMBER TTC	JP~~TTC~~
NTT DoCoMo	3GPPMEMBER ETSI	JP~~ETSI~~
NTT DoCoMo Inc.	3GPPMEMBER TTC	JP~~TTC~~
NTT DoCoMo Inc.	3GPPMEMBER ARIB	JP~~ARIB~~
ÖFEG	3GPPMEMBER ETSI	AT~~ETSI~~
OKI Electric Europe GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
OMNITEL	3GPPMEMBER ETSI	IT~~ETSI~~
One 2 One Personal Comm. Ltd	3GPPMEMBER ETSI	GB
ORANGE PCS LTD	3GPPMEMBER ETSI	GB~~ETSI~~
OSKAR Cesky Mobil a.s.	3GPPMEMBER ETSI	CZ~~ETSI~~
PANASONIC Deutschland GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
PHILIPS CONSUMER COMMUNICATION	3GPPMEMBER ETSI	FR~~ETSI~~
PORTUGAL TELECOM SGPS SA	3GPPMEMBER ETSI	PT~~ETSI~~
PTK CENTERTEL	3GPPMEMBER ETSI	PL~~ETSI~~
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER ETSI	FR~~ETSI~~
RIM	3GPPMEMBER ETSI	CA~~ETSI~~
RITT	3GPPMEMBER CWTS	CN~~CWTS~~
Rogers Wireless Inc.	3GPPMEMBER T1	CA~~T1~~
SAGEM Group	3GPPMEMBER ETSI	FR~~ETSI~~
SAMSUNG Electronics	3GPPMEMBER ETSI	GB~~ETSI~~
Samsung Electronics Co., Ltd	3GPPMEMBER TTA	KR~~TTA~~
Secrétariat d' Etat Industrie	3GPPMEMBER ETSI	US~~ETSI~~
SBC Communications Inc.	3GPPMEMBER T1	FR
SEMA GROUP TELECOMS	3GPPMEMBER ETSI	GB
SHANG HAI BELL	3GPPMEMBER CWTS	CN~~CWTS~~
SHARP Corporation	3GPPMEMBER ARIB	JP~~ARIB~~
SHARP Manufacturing France S.A	3GPPMEMBER ETSI	FR~~ETSI~~
SIEMENS AG	3GPPMEMBER ETSI	DE~~ETSI~~
SIEMENS ATEA NV	3GPPMEMBER ETSI	BE~~ETSI~~
SIEMENS ICN S.p.A	3GPPMEMBER ETSI	IT~~ETSI~~
SONERA Corporation	3GPPMEMBER ETSI	FI~~ETSI~~
SONY Corporation	3GPPMEMBER ARIB	JP~~ARIB~~
SWISSCOM	3GPPMEMBER ETSI	CH~~ETSI~~
SYNOPSYS GmbH	3GPPMEMBER ETSI	DE
TEKTRONIX GmbH & Co KG	3GPPMEMBER ETSI	DE~~ETSI~~
Telcordia Technologies Inc.	3GPPMEMBER T1	US~~T1~~
TELECOM ITALIA S.p.A.	3GPPMEMBER ETSI	IT~~ETSI~~
TELEFONICA de España S.A.	3GPPMEMBER ETSI	ES~~ETSI~~
Telekom Austria AG	3GPPMEMBER ETSI	AT~~ETSI~~
TELELOGIC AB	3GPPMEMBER ETSI	SE
TELENOR AS	3GPPMEMBER ETSI	NO~~ETSI~~
TELIA AB	3GPPMEMBER ETSI	SE~~ETSI~~
TruePosition Inc.	3GPPMEMBER T1	US~~T1~~
TTP COMMUNICATIONS LTD	3GPPMEMBER ETSI	GB~~ETSI~~

Organisation Name	Organisation Status	~~Partner~~ Country
Unisys Deutschland GmbH	3GPPMEMBER ETSI	DE~~ETSI~~
VIP-NET GSM d.o.o.	3GPPMEMBER ETSI	HR~~ETSI~~
VODAFONE Group Plc	3GPPMEMBER ETSI	GB~~ETSI~~
VoiceStream Wireless Corp.	3GPPMEMBER ETSI	US~~ETSI~~
VoiceStream Wireless Corp.	3GPPMEMBER T1	US
Xfera Móviles, S.A.	3GPPMEMBER ETSI	ES~~ETSI~~
XIRCOM, an Intel company	3GPPMEMBER ETSI	BE
Zhongxing Telecom Ltd.	3GPPMEMBER CWTS	CN~~CWTS~~

Total Voting Members : ~~119~~134

Annex D: Status list of Specifications and Reports after TSG SA Meeting #13

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

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
D.1	**Release 1999 3GPP Specifications and reports**						
TS	21.010	reserved	none	R99	SP	VACANT,	3.0.0 dates from June 99
TS	21.100	3G specification handling procedures	1.0.0	R99	-	MEREDITH, John M	
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.5.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.3.0	R99	T3	KALINER, Stefan	
TS	21.133	Security threats and requirements	3.1.0	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 TSG#8:3.0.0 (2.2.0)
TR	21.900	Technical Specification Group working methods	3.6.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.4.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TS	21.906	reserved	3.0.0	R99		CLAYTON, Michael	.
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: 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	SMITH, David	
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	3.2.1	R99	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	3.5.0	R99	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	3.2.0	R99	S1	KOKKOLA, Tommi	
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.1.0	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	22.034	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	
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	
TS	22.042	Network Identity and Time Zone (NITZ), 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); 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	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	3.3.0	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	3.8.0	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 & service capabilities	3.10.0	R99	S1	EVEN, Anne	TSG#7: 3.8.0 TSG#8:3.9.0 TSG#10:3.10.0
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	TSG#7: 3.3.0
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.0	R99	S1	OGUNBEKUN, Jumoke	
TS	22.129	Handover Requirements between UMTS and GERAN or other Radio Systems	3.5.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	3.1.0	R99	S1	LAUMEN, Josef	TSG#8:3.1.0
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 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	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	3.4.0	R99	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	3.9.0	R99	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	3.4.0	R99	N4	RUSSELL, Nick	TSG#7: 3.3.0 TSG#8:3.4.0
TS	23.008	Organisation of subscriber data	3.6.0	R99	N4	BAUER, Rolf	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#9:3.5.0
TS	23.009	Handover procedures	3.8.0	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	. TSG#9:3.1.0
TS	23.012	Location management procedures	3.3.0	R99	N4	VACANT,	TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	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	3.7.0	R99	N4	VACANT,	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:3.6.0 TSG#11:3.7.0
TS	23.018	Basic Call Handling; Technical realization	3.9.0	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	TSG#7: 3.1.0
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	TEKBULUT, Haluk	TSG#7: 3.2.0 TSG#10:3.3.0
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	. TSG#9:3.2.0
TS	23.040	Technical realization of Short Message Service (SMS)	3.6.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.4.0	R99	T2	HARRIS, Ian	additional CR for R99 on UMTS amendments expected at TSG T#7. TSG#7: 3.2.0 TSG#9:3.3.0
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	CATALDO, Mark	
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.9.0	R99	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	3.3.0	R99	N4	PERLICK, Vivien	TSG#7: 3.1.0 TSG#10:3.2.0
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.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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 N#6
TS	23.071	Location services (LCS) 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	.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	3.10.0	R99	N2	HOMANN, Christian	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	3.6.0	R99	N4	PARK, Ian David Chalmers	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:3.6.0
TS	23.081	Line Identification supplementary services; Stage 2	3.1.0	R99	N4	VACANT,	TSG#8:3.1.0
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.6.0	R99	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	TSG#9:3.2.0
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	. TSG#9:3.2.0
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	. TSG#9:3.1.0
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	. TSG#9:3.1.0
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	. TSG#9:3.1.0
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	DETTNER, Harald	TSG#7: 3.2.0 (not approved) TSG#9:3.2.0
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	. TSG#9:3.2.0
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	. TSG#9:3.2.0
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	DETTNER, Harald	. TSG#9:3.2.0
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	SWETINA, Joerg	Transfer>TSG#6. TSG#7: 3.1.0 TSG#9:3.2.0
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	TSG#7: 3.1.1
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	. TSG#10:3.1.0
TS	23.107	Quality of Service (QoS) concept and architecture	3.6.0	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	TSG#7: 3.2.0
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	TSG#7: 3.4.0
TS	23.116	Super-Charger technical realization; Stage 2	3.1.0	R99	N4	ALLEN, Nicholas	TSG#7:2.1.0, 3.0.0
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. TSG#7:2.0.0 (NP-000108) 3.0.0
TS	23.121	Architecture Requirements for release 99	3.5.1	R99	S2	DANIEL, Elizabeth	TSG#7: 3.3.0 TSG#9:3.4.0 TSG#10:3.5.0
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.7.0	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. TSG#7: 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
TS	23.127	Virtual Home Environment; Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	TSG#7:2.0.0 (SP-000089) 3.0.0 TSG#8:3.1.0 TSG#9:3.2.0 TSG#10:3.3.0
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	TSG#7:1.1.0->3.0.0 3.0.0 TSG#8:3.1.0 TSG#9:3.2.0
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.0.1	R99	T2	LAUMEN, Josef	
TS	23.171	Functional stage 2 description of location services in UMTS	3.5.0	R99	S2	KÅLL, Jan	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	3.5.0	R99	N3	BRAUN, Achim	TSG#6: 1.0.0 TSG#7:2.0.0->3.0.0 TSG#8:3.1.0 TSG#9:3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
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	3.0.2	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	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	.
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	.
TR	23.927	VHE, Open Service Architecture	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	KAUHANEN, Timo	TSG#7:1.0.0 (NP-000103), 3.0.0
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.0	R99	N1	ANDERSEN, Niels Peter Skov	TSG#7: 3.0.0 TSG#10:3.1.0
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.7.0	R99	N1	HOWELL, Andrew	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#9:3.5.0 TSG#10:3.6.0 TSG#11:3.7.0
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.9.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.1.0	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	TSG#7: 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
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	TSG#8:3.3.0 TSG#9:3.4.0
TS	24.030	Location Services LCS Stage 3 SS (MO-LR)	3.2.0	R99	N4	GARAPATY, Sonia	TSG#7:Decision to create. TSG#8:3.1.0
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	. TSG#10:3.1.0
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	3.5.0	R99	N4	DETTNER, Harald	T1P1 CR @TSG#6. TSG#7: 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0

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TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	DETTNER, Harald	TSG#8:3.1.0
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	3.1.0	R99	N4	MITAMURA, Kazuo	TSG#7:1.0.0->3.0.0 TSG#8:3.1.0
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)	3.8.0	R99	R4	FERNANDES, Edgar	TSG#7: 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.8.0	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	3.8.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.8.0	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)	3.7.0	R99	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	3.7.0	R99	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	3.7.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.7.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer -General Description	3.1.0	R99	R1	TOSKALA, Antti	TSG#5: 3.0.0; edito post#6: 3.0.1. TSG#7: 3.0.2 TSG#8:3.1.0
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.8.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.7.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.6.0	R99	R1	CHAMBERS, Peter	TSG#7: 3.2.0 TSG#8:3.3.0 TSG#10:3.4.0 TSG#11:3.5.0
TS	25.214	Physical layer procedures (FDD)	3.8.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.8.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.8.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.7.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.7.0	R99	R1		
TS	25.224	Physical layer procedures (TDD)	3.8.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.8.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.8.0	R99	R2	GRANZOW, Wolfgang	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:3.6.0 TSG#11:3.7.0

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	25.302	Services provided by the physical layer	3.10.0	R99	R2	MIHAILESCU, Claudiu	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:3.6.0 TSG#10:3.7.0 TSG#11:3.8.0
TS	25.303	Interlayer procedures in Connected Mode	3.9.0	R99	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.8.0	R99	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	3.6.0	R99	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	3.3.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on UE supporting a release-independent frequency band	3.0.0	R99	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.9.0	R99	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	3.8.0	R99	R2	MADELAINE, Sebastien	TSG#7: 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.6.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.4.0	R99	R2	KRISCHAN, Peter	TSG#7: 3.1.0 TSG#9:3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
TS	25.331	Radio Resource Control (RRC) protocol specification	4.2.1	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.8.0	R99	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	3.7.0	R99	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.5.0	R99	R3	TOWNEND, Richard	
TS	25.411	UTRAN Iu interface Layer 1	3.5.0	R99	R3	BRANDT, Achim V.	TSG#7: 3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#9:3.5.0 TSG#10:3.6.0
TS	25.413	UTRAN Iu interface RANAP signalling	3.7.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.8.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.8.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.6.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.3.0	R99	R3	THAKARE, Kiran	TSG#7: 3.1.0 TSG#9:3.2.0 TSG#11:3.3.0
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	. TSG#11:3.1.0
TS	25.422	UTRAN Iur interface signalling transport	3.5.0	R99	R3	THAKARE, Kiran	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#10:3.5.0
TS	25.423	UTRAN Iur interface RNSAP signalling	3.7.0	R99	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.6.0	R99	R3	DREVON, Nicolas	TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.5.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.6.0	R99	R3	KEKKI, Sami	TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0 TSG#9:3.4.0 TSG#10:3.5.0 TSG#11:3.6.0
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.8.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.6.0	R99	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	. TSG#11:3.1.0
TS	25.432	UTRAN Iub interface signalling transport	3.1.0	R99	R3	WILSON, Mick	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.7.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.5.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.8.0	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	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	TSG#8:1.1.0
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) TSG#11:3.1.0
TR	25.921	Guidelines and principles for protocol description and error handling	3.5.0	R99	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	3.6.0	R99	R2	MAGNANI, Nicola Pio	
TR	25.923	Stage 2 Functional Specification of Location Services in UTRAN	1.4.0	R99	-	STEER, David G	.
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	TSG#7: 3.1.0 TSG#9:3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
TR	25.926	UE Radio Access capabilities definition	3.3.0	R99	R2	LUNDSJÖ, Johan	TSG#7:2.0.0 (RP-000052), 3.0.0 TSG#8:3.1.0 TSG#9:3.2.0. Nov00->25.306 but first ->TSG#10:3.3.0
TR	25.931	UTRAN Functions, examples on signalling procedures	3.4.0	R99	R3	SCARRONE, Enrico	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	.
TR	25.942	RF system scenarios	3.1.0	R99	R4	BENABDALLAH, Nadia	
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	TSG#7:1.0.1, 3.0.0 TSG#8:3.1.0 TSG#9:3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
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.
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	.
TS	26.073	AMR speech Codec; C-source code	3.2.0	R99	S4	EKUDDEN, Erik	approved TSG#6. TSG#7: 3.1.0 TSG#11:3.2.0
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	
TS	26.075	AMR speech Codec; Performance Charaterization of the GSM 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	TSG#8:3.2.0 TSG#10:3.3.0
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	.
TS	26.101	AMR speech Codec; Frame Structure	3.2.0	R99	S4	HAGQVIST, Jari	TSG#7: 3.1.0
TS	26.102	AMR speech Codec; Interface to Iu and Uu	3.3.0	R99	S4	NAVARRO, William	TSG#7: 3.1.0 TSG#10:3.2.0 TSG#11:3.3.0
TS	26.103	Codec lists	3.0.0	R99	S4	HELLWIG, Karl	.
TS	26.104	ANSI-C code for the floating-point AMR speech codec	3.3.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	
TS	26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements	1.1.0	R99	-	HONKO, Harri	June99: 1.1.0
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#13	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	3.3.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.3.0	R99	S4	GOETZ, Ian	
TS	26.133	Wide band speech telephony terminal acoustic characteristics	none	R99	S4	BARRETT, Paul	.
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	Oct00:3.2.1 TSG#10:3.3.0
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	TSG#7:2.0.0 (SP-000019), 3.0.0
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	TSG#7:1.0.0 (SP-000020), 3.0.0
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	was 25.075; Feb00: 1.1.0. TSG#7: 1.1.0 TSG#11:3.0.0
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.10.0	R99	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#9:3.5.0
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	TSG#7: 3.3.0 TSG#8:3.4.0 TSG#9:3.5.0
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.1.0	R99	T2	HARRIS, Ian	.
TS	27.007	AT command set for 3G User Equipment (UE)	3.9.0	R99	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.3.0	R99	T2	VACANT,	additional CR for R99 on UMTS amendments expected at TSG T#7. TSG#7: 3.3.0
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.5.0	R99	N3	HEATON, Graham	TSG#7: 3.4.0 TSG#11:3.5.0
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	LOCKHART, Rob	TSG#8:3.1.0 but this CR not impementable. TSG#9:3.1.0
TR	27.901	Report on Terminal Interfaces - An Overview	3.0.0	R99	T2	REX, Thomas	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	3.0.0	R99	S4	SUERBAUM, Clemens	withdrawn from R99.
TS	29.002	Mobile Application Part (MAP) specification	3.10.0	R99	N4	DETTNER, Harald	

Type	Number	Title	Ver at TSG#13	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	May 99: 3.0.0
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	TSG#3: 3.0.0
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 N#6
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)	3.8.0	R99	N3	KLEHN, Norbert	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:3.6.0 TSG#10:3.7.0 TSG#11:3.8.0
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)	3.6.0	R99	N4	VACANT,	TSG#7: 3.2.0 TSG#9:3.3.0 TSG#10:3.4.0 TSG#11:3.5.0
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	. TSG#9:3.1.0
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.7.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.10.0	R99	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.7.0	R99	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	3.9.0	R99	N2	NOLDUS, Rogier	
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	Functionally frozen by CN#6. TSG#7:2.0.0 (TP-000107) 3.0.0
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99. TSG#7:2.0.0 3.0.0 TSG#9:3.1.0
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	KLOSTERMANN, Lucas	TSG#7:1.0.0 (TP-000056) 1.0.0 TSG#8:3.0.0 (2.0.0) TSG#9:3.1.0 TSG#10:delay likely due to unimplementable CRs. TSG#10:3.2.0 TSG#11:3.3.0
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	KLOSTERMANN, Lucas	TSG#7:1.0.0 (TP-000057) 1.0.0 TSG#8:3.0.0 (2.0.0) TSG#9:3.1.0 TSG#10:3.2.0
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.2	R99	R3	TAYLOR, Carolyn	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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. Sander, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM Application	3.7.0	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)	3.6.0	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	3.1.0	R99	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	3.0.0	R99	T3	KNIGHT, Simon	
TR	31.900	SIM/USIM internal and external interworking aspects	3.1.0	R99	T3	KALINER, Stefan	
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.5.0	R99	S5	KOBYLARZ, Thaddeus	Title change. TSG#7: TSG#8:3.1.0->3.2.0 when fully implemented.
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	3.7.0	R99	S5	KOBYLARZ, Thaddeus	
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	3.4.0	R99	S5	NENNER, Karl-Heinz	
TS	32.106	3G 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; Part 1: 3G configuration management; 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; 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 TSG#8:3.1.0 TSG#10:3.2.0 TSG#11:3.3.0
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	3.3.0	R99	S5	SCHEER, Randal	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0 TSG#10:3.2.0 TSG#11:3.3.0
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.1.0	R99	S5	ZHOU, Di	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99) TSG#9:1.0.0 TSG#10:2.0.0=SP-000513 TSG#10:3.0.0 TSG#11:3.1.0
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	3.3.0	R99	S5	ZHOU, Di	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99) TSG#10:1.0.0=SP-000514 TSG#10:3.0.0 TSG#11:3.1.0
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99) TSG#10:1.0.0=SP-000515 TSG#10:3.0.0 TSG#11:3.1.0
TS	32.106-8	Telecommunication Management; Configuration Management; 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	Outstanding R99 issues. TSG#7:2.0.0(SP-000013), 3.0.0 TSG#8: multipart split from parent 3.0.1

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TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	JURE, Patrick	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0 TSG#9:3.2.0
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R99	S5	JURE, Patrick	
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.5.0	R99	S5	JURE, Patrick	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0 TSG#9:3.2.0 TSG#10:3.3.0 TSG#11:3.4.0
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	3.1.1	R99	S5	JURE, Patrick	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	33.102	3G security; Security architecture	3.9.0	R99	S3	VINCK, Bart	
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	3.3.0	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	
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	3.5.0	R99	T1	CHALABI, Nouhman	TSG#7:(TP-000032) 1.0.0, 1.0.1 TSG#8:aprvl is controversial
TS	34.109	Logical Test Interface (TDD and FDD)	3.4.0	R99	R2	BERGGREN, Anders	Feb00: 1.1.0 TSG#7: 1.2.0 TSG#8:3.0.0 (2.0.0) TSG#9:3.1.0 TSG#10:3.2.0 TSG#11:3.3.0
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.6.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.5.0	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	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	TSG#7: 2.0.1(SP-000034), 3.0.0 TSG#9:3.1.0 TSG#10:3.2.0 TSG#11:3.3.0
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	3.1.2	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	

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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	
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	3.0.0	R99	S3	WALKER, Michael	TSG#10:SP-000630, not to be published till OKed by Partners. TSG#10:3.0.0 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#10:3.0.0 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#10:3.0.0 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#10:3.0.0 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.2	**Release 4 3GPP Specifications and reports**						
TS	21.102	3rd Generation mobile system Release 4 specifications	4.2.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	Security threats and requirements	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.2.0	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)	4.2.0	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)	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.004	General on Supplementary Services	4.0.0	Rel-4	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	4.4.0	Rel-4	S1	GALLAIRE, Jean Paul	
TS	22.016	International Mobile Equipment Identities (IMEI)	4.0.0	Rel-4	S1	KOKKOLA, Tommi	TSG#8: CR proposed creation, but not aprvd.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.0.0	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)	4.0.0	Rel-4	S1	TOIVANEN, Annukka	
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.0.0	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	

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TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	4.0.0	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); Stage 1	4.0.0	Rel-4	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.2.0	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	4.0.0	Rel-4	S1	SWETINA, Joerg	
TS	22.071	Location Services (LCS); Stage 1	4.3.0	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	4.3.0	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	4.0.0	Rel-4	S1	AHNBERG, Tomas	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.1.0	Rel-4	S1	EVEN, Anne	
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.0.0	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	4.0.0	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	4.0.0	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	4.0.0	Rel-4	S1	DWYER, Paul	
TS	22.101	Service aspects; Service principles	4.5.0	Rel-4	S1	DWYER, Paul	based on 3.9.0
TS	22.105	Services & service capabilities	4.2.0	Rel-4	S1	EVEN, Anne	TSG#7: 3.8.0 TSG#8:3.9.0 TSG#9:4.0.0 TSG#10:4.1.0
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	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.0	Rel-4	S1	OGUNBEKUN, Jumoke	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.2.0	Rel-4	S1	SWETINA, Joerg	TSG#9: 1.0.0 noted. TSG#10:SP-000551=2.0.0 TSG#10:4.0.0 TSG#11:4.1.0

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	22.129	Handover Requirements between UMTS and GERAN or other Radio Systems	4.3.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	4.1.0	Rel-4	S1	LAUMEN, Josef	based on 3.0.0 TSG#8:4.0.0 TSG#11:4.1.0
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	TSG#7:(SP-000073) 1.0.0 TSG#8:2.0.0
TS	23.002	Network Architecture	4.3.0	Rel-4	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	4.2.0	Rel-4	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.1.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.2.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.0.0	Rel-4	N1	ZAUS, Robert	
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	4.4.0	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	TEKBULUT, Haluk	
TS	23.038	Alphabets and language-specific information	4.3.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0 TSG#8:4.0.0 TSG#10:4.1.0 TSG#11:4.2.0
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	
TS	23.040	Technical realization of Short Message Service (SMS)	4.4.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.1.0	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	4.1.0	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	4.3.1	Rel-4	T2	CATALDO, Mark	
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.2.0	Rel-4	S2	DELECKI, Andrew	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.0	Rel-4	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	4.1.0	Rel-4	N4	PERLICK, Vivien	. TSG#10:4.0.0
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	4.2.0	Rel-4	N2	HOMANN, Christian	
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.2.0	Rel-4	N4	VACANT,	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.2.0	Rel-4	N4	RUSSELL, Nick	TSG#9:4.0.0 TSG#11:4.1.0, later 4.2.0 due to missed CR.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	. TSG#11:4.0.0
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	4.2.0	Rel-4	S2	GREIS, Marc	TSG#11:4.1.0 was an error. No CR at TSG#11 in fact.
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	4.0.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.1.0	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	4.1.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment; Stage 2	4.2.0	Rel-4	S2	GOURRAUD, Christophe	TSG#7:2.0.0 (SP-000089) 3.0.0 TSG#8:3.1.0 TSG#9:4.0.0 TSG#11:4.1.0
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	TSG#7:1.1.0->3.0.0 3.0.0 TSG#8:3.1.0 TSG#9:4.0.0
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.4.0	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"! N3#10: 2.0.0 TSG#8:4.0.0 (2.0.0) TSG#9:4.1.0
TS	23.153	Out of Band Transcoder Control; Stage 2	4.3.0	Rel-4	N4	VACANT,	
TS	23.171	Functional stage 2 description of location services in 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	4.2.0	Rel-4	N4	GARCIA-MENDIVE, Elena	
TS	23.207	End to end quality of service concept and architecture	2.0.0	Rel-4	S2	OYAMA, Johnson	SP-12: becomes Rel-5
TS	23.221	Architectural requirements	4.1.0	Rel-4	S2	DANIEL, Elizabeth	
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.0.0	Rel-4	T2	TOMÉ, Olga	. TSG#11:4.0.0
TS	23.271	Functional stage 2 description of location services	4.3.0	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	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	TSG#10:1.0.0=SP-000597 TSG#10:1.0.0 TSG#11:4.0.0
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	1.3.0	Rel-4	S2	KITADA, Yoshinori	.
TR	23.907	Quality of Service concept	1.2.0	Rel-4	S1	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	4.3.0	Rel-4	N3	BRAUN, Achim	TSG#6: 1.0.0 TSG#7:2.0.0->3.0.0 TSG#8:3.1.0 TSG#9:4.0.0 TSG#10:4.1.0 TSG#11:4.2.0
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	4.0.0	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	KAUHANEN, Timo	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	4.0.0	Rel-4	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.4.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.1.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.0.0	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 Stage 3 SS (MO-LR)	4.1.0	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	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	4.1.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	

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TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.0	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.10U	UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access	none	Rel-4		,	.
TS	24.135	Multicall supplementary service; Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TR	24.946	reserved	none	Rel-4		VACANT,	. TSG#11:4.0.0
TS	25.101	UE Radio transmission and reception (FDD)	4.2.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.2.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.2.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.2.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.1.0	Rel-4	R4	NILSSON, Martin	
TS	25.107	UTRA Repeater; Conformance testing	0.0.1	Rel-4	-	NILSSON, Martin	Scrapped in favour of 25.143
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	4.2.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.2.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	4.2.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	4.2.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.2.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA Repeater; Conformance testing	4.2.0	Rel-4	R4	KUMMETZ, Thomas	Was to have been 25.107. But never was.
TS	25.201	Physical layer -General Description	4.0.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.2.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.2.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.1.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.2.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.2.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.2.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.1.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.2.0	Rel-4	R1		
TS	25.224	Physical layer procedures (TDD)	4.2.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.2.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.1.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.2.0	Rel-4	R2	MIHAILESCU, Claudiu	
TS	25.303	Interlayer procedures in Connected Mode	4.2.0	Rel-4	R2	RINNE, Mikko J	

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TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.2.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	4.1.0	Rel-4	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	4.2.0	Rel-4	R2	BERGGREN, Anders	
TS	25.307	Requirements on UE supporting a release-independent frequency band	4.0.0	Rel-4	R2	FAUCONNIER, Denis	Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.2.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	4.2.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.2.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.0.0	Rel-4	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.2.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.371	LMU signalling	none	Rel-4	-	MOULY, Michel	First draft: Jan2000
TS	25.401	UTRAN Overall Description	4.2.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.402	Synchronisation in UTRAN Stage 2	4.2.0	Rel-4	R3	PIOLINI, Flavio	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.2.0	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	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	4.2.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.1.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.2.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.2.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.0.0	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	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.2.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.0.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.1.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.0.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.2.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.1.0	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	4.2.1	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.1.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.2.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN Implementation Specific O&M Transport	4.0.0	Rel-4	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	TSG#10:RP-000556=2.0.0 TSG#10:4.0.0 TSG#11:4.1.0
TR	25.835	Report on hybrid ARQ type II/III	1.0.0	Rel-4	R2	SITTE, Armin	.

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TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	TSG#10:RP-000547=2.0.0. TSG#10:4.0.0 TSG#11:4.1.0
TR	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.0.0	Rel-4	R3	LENHART, Johannes	TSG#10:RP-000640 TSG#10:0.1.1 TSG#11:4.0.0
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	TSG#10:RP-000642=0.1.0
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	TSG#10:RP-000548 not approved. TSG#10:2.0.0 TSG#11:2.3.0
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	TSG#10:RP-000549=2.0.0 TSG#10:4.0.0 TSG#11:4.1.0
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	TSG#10:RP-000558=2.0.0 TSG#10:4.0.0 TSG#11:4.1.0
TR	25.844	Radio acces bearer support enhancements	4.1.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.845	FDD RACH and AICH performance requirements	0.0.3	Rel-4	R4	VIHRIÄLÄ, Jaakko	.
TR	25.846	CPCH performance	none	Rel-4	R4	KWAK, Joe	.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	TSG#10:RP-000581 TSG#10:1.0.0 TSG#11:4.0.0
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	May not be Rel4 but Rel5. To be confirmed at RAN#10. TSG#11:4.0.0
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	. TSG#11:4.0.0
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.2.0	Rel-4	R3	HAUTALA, Jari	
TR	25.851	RAB Quality of Service Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	TSG#10:RP-000660 TSG#10:0.0.2 TSG#11:4.0.0
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	
TR	25.921	Guidelines and principles for protocol description and error handling	4.2.0	Rel-4	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	4.1.0	Rel-4	R2	MAGNANI, Nicola Pio	
TR	25.924	Opportunity Driven Multiple Access (ODMA)	1.0.0	Rel-4	R2	LAW, Alan	.
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	anticipated TSG#8; TSG#7:0.0.2 (RP-000091) 0.0.3 (RP-000158) 0.0.3 TSG#8:1.0.0 (0.2.0) TSG#9:1.1.0 TSG#11:4.0.0
TR	25.931	UTRAN Functions, examples on signalling procedures	4.1.0	Rel-4	R3	SCARRONE, Enrico	
TR	25.932	Delay budget within the access stratum	2.0.0	Rel-4	R3	TAYLOR, Carolyn	TSG#8:1.0.0 TSG#9:1.1.0 TSG#10:2.0.0; approved renumbered as 25.853. TSG#10:2.0.0; replaced by 25.853.
TR	25.933	IP Transport in UTRAN	1.4.0	Rel-4	R3	DREVON, Nicolas	TSG#9:0.2.0 TSG#10:RP-000644 TSG#10:0.4.0 TSG#11:1.0.0
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	TSG#9:0.2.0 TSG#10:RP-000646 TSG#10:0.2.1 TSG#11:4.0.0
TR	25.935	RRM optimisation	4.0.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	TSG#10:RP-000648 TSG#10:0.1.1 TSG#11:4.0.0
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	SG#11:4.0.0 (expect a 4.0.1 with formatting corrections)
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	
TR	25.938	Terminal power saving features	2.0.0	Rel-4	R3	CHOI, Sungho	TSG#10:RP-000654 TSG#10:0.1.1 TSG#11:2.0.0
TR	25.942	RF system scenarios	4.0.0	Rel-4	R4	BENABDALLAH, Nadia	
TR	25.943	Deployment aspects	4.0.0	Rel-4	R4	SKÖLD, Johan	TSG#7:2.0.0
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	

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TR	25.946	RAB Quality of Service Negotiation over Iu	4.0.0	Rel-4	R3	MOLANDER, Anders	TSG#10:RP-000656 TSG#10:0.1.1 TSG#11:4.0.0
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	. TSG#11:4.0.0
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	LAGERSTAM, Timo	
TR	25.952	Base Station classification (TDD)	1.1.0	Rel-4	R4	AXNESS, Timothy	-> Rel-5
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	TSG#10:RP-000664 TSG#10:0.0.3 TSG#11:4.0.0
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	. TSG#11:4.0.0
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	. TSG#11:4.0.0
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	4.0.0	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	. TSG#10:4.0.0
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	AMR speech Codec; Frame Structure	4.1.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	4.0.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Codec lists	4.1.0	Rel-4	S4	HELLWIG, Karl	. TSG#10:4.0.0 TSG#11:4.1.0
TS	26.104	ANSI-C code for the floating-point AMR speech codec	4.2.0	Rel-4	S4	USAI, Paolino	. TSG#10:4.0.0
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	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.226	Global text telephony;Transport of text in the voice channel	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	WI approved TSG#7 TSG#9:0.0.9 TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4 TSG#10:4.0.0 TSG#11:withdrawn->rel-5
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description description	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4 TSG#10:4.0.0; TSG#11:withdrawn, to be Rel-5 only.
TS	26.233	End-to-end transparent streaming service; General description	4.0.0	Rel-4	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.1.0	Rel-4	S4	NOHLGREN, Anders	

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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	TSG#7:2.0.0 (SP-000024), 4.0.0
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.1.0	Rel-4	S4	HAAVISTO, Petri	. TSG#11:4.1.0
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	none	Rel-4	S4	HONKO, Harri	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)	4.5.0	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	. TSG#10:4.0.0 TSG#11:4.1.0
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.1.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.2.0	Rel-4	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.1.0	Rel-4	T2	VACANT,	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.0.0	Rel-4	N3	HEATON, Graham	
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	4.0.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	none	Rel-4	N3	BOSWARTHICK, David	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.1.1	Rel-4	S4	SUERBAUM, Clemens	TSG#11: Usai: may need 48.062.
TS	29.002	Mobile Application Part (MAP) specification	4.5.0	Rel-4	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.2.0	Rel-4	N3	KLEHN, Norbert	TSG#7: 3.4.0 TSG#8:3.5.0 TSG#9:4.0.0 TSG#10:4.1.0 TSG#11:4.2.0
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)	4.1.0	Rel-4	N4	VACANT,	
TS	29.011	Signalling Interworking for Supplementary Services	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.0	Rel-4	N4	DETTNER, Harald	

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TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.0.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.1.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.2.0	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)	4.2.0	Rel-4	N3	WILD, Johanna	
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	4.2.0	Rel-4	N2	NOLDUS, Rogier	
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.1.0	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	TSG#9:4.0.0
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.2.0	Rel-4	N5	KLOSTERMANN, Lucas	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.2.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.2.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.1.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.2.0	Rel-4	N5	DE GELDER, Dirk	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.2.1	Rel-4	N5	MARKWARDT, Gert	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.2.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.1.0	Rel-4	N5	LAGENDIJK, Louis	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.1.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.1.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	. TSG#11:4.0.0
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	29.414	Core network Nb data transport and transport signalling	4.2.0	Rel-4	N3	BELLING, Thomas	

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TS	29.415	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	4.1.0	Rel-4	N3	SANDERS, David	
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location – User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	.
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	.
TR	30.801	Overall Project Plan	1.1.0	Rel-4	S2	SULTAN, Alain	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.
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	31.101	UICC-terminal interface; Physical and logical characteristics	4.0.0	Rel-4	T3	VESTERGAARD, Peter	
TS	31.102	Characteristics of the USIM Application	4.2.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.0.0	Rel-4	T3	DIETRICH, Christian	
TS	31.111	USIM Application Toolkit (USAT)	4.4.0	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	4.0.0	Rel-4	T3	AFCHAR, Ramin	
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	
TS	32.101	3G Telecom Management principles and high level requirements	4.2.0	Rel-4	S5	TRUSS, Michael	

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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; Part 1: 3G configuration management; 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; 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; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	none	Rel-4	S5	SCHEER, Randal	SP-12: withdrawn.
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	none	Rel-4	S5	ZHOU, Di	SP-12: withdrawn.
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	none	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn.
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	none	Rel-4	S5	ZHOU, Di	SP-12: withdrawn.
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	SP-12: withdrawn.
TS	32.106-8	Telecommunication Management; Configuration Management; 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	JURE, Patrick	
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	4.1.0	Rel-4	S5	JURE, Patrick	
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	4.1.0	Rel-4	S5	JURE, Patrick	
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	4.0.0	Rel-4	S5	JURE, Patrick	
TS	32.112-1	Telecommunication management; Generic IRP management; Part 1: Requirements	2.0.0	Rel-4	S5	,	.
TS	32.112-2	Telecommunication management; Generic IRP management; Part 2: Information service	2.0.0	Rel-4	S2	,	.
TS	32.140	3G Service Management Requirements & Framework	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	4.0.0	Rel-4	S5	,	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	4.0.0	Rel-4	S5	,	

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TS	32.215	3G Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	4.0.0	Rel-4	S5	,	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.0.0	Rel-4	S5	,	.
TS	32.300	3G configuration management; Name convention for Managed Objects	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication Management; Configuration Management; Notification IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.301-1	Telecommunication Management; Configuration Management; Notification IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.301-2	Telecommunication Management; Configuration Management; 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; 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; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	2.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.302	Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1	4.0.0	Rel-4	S5	TSE, Edwin	.
TS	32.303	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	4.1.0	Rel-4	S5	SCHEER, Randal	.
TS	32.304	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.1.0	Rel-4	S5	ZHOU, Di	.
TS	32.311	Telecommunication management; Generic IRP management; Requirements	4.0.1	Rel-4	S5	,	.
TS	32.312	Telecommunication management; Generic IRP management; Information service	4.0.0	Rel-4	S5	,	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.0.0	Rel-4	S5	NENNER, Karl-Heinz	.
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	4.1.0	Rel-4	S5	NENNER, Karl-Heinz	.
TS	32.600	Telecommunication Management; Configuration Management; 3G configuration management; Concept and main requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601	Telecommunication Management; Configuration Management; Basic CM IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.601-1	Telecommunication Management; Configuration Management; Part 1: Basic CM IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.

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TS	32.601-2	Telecommunication Management; Configuration Management; Part 2: Basic configuration management IRP information model	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.601-3	Telecommunication Management; Configuration Management; Part 3: Basic configuration management IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.601-4	Telecommunication Management; Configuration Management; Part 4: Basic configuration management IRP CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.602	Telecommunication Management; Configuration Management; Basic configuration management IRP information model	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.602-1	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	2.0.0	Rel-4	S5	,	.
TS	32.602-2	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	2.0.0	Rel-4	S5	,	.
TS	32.602-3	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	2.0.0	Rel-4	S5	,	.
TS	32.602-4	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	2.0.0	Rel-4	S5	,	.
TS	32.602-5	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	2.0.0	Rel-4	S5	,	.
TS	32.603	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	.
TS	32.604	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.611	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	4.0.0	Rel-4	S5	,	.
TS	32.612	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	4.1.0	Rel-4	S5	,	.
TS	32.613	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	4.0.0	Rel-4	S5	,	.
TS	32.614	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	4.1.0	Rel-4	S5	,	.
TS	32.615	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	4.0.0	Rel-4	S5	,	.

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TS	32.620-1	Telecommunication Management; Configuration Management; Part 1: Generic network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.620-2	Telecommunication Management; Configuration Management; Part 2: Generic network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.620-3	Telecommunication Management; Configuration Management; Part 3: Generic network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.620-4	Telecommunication Management; Configuration Management; Part 4: Generic network resources: IRP CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.621	Telecommunication Management; Configuration Management; Generic network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.621-1	Telecommunication Management; Configuration Management; Part 1: Core network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.621-2	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.621-3	Telecommunication Management; Configuration Management; Part 3: Core network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.621-4	Telecommunication Management; Configuration Management; Part 4: Core network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.622	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.622-1	Telecommunication Management; Configuration Management; Part 1: UTRAN network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.622-2	Telecommunication Management; Configuration Management; Part 2: UTRAN network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.622-3	Telecommunication Management; Configuration Management; Part 3: UTRAN network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.622-4	Telecommunication Management; Configuration Management; Part 4: UTRAN network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.623	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	.
TS	32.623-1	Telecommunication Management; Configuration Management; Part 1: GERAN network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.623-2	Telecommunication Management; Configuration Management; Part 2: GERAN network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.623-3	Telecommunication Management; Configuration Management; Part 3: GERAN network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	.

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TS	32.623-4	Telecommunication Management; Configuration Management; Part 4: GERAN network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.624	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.631	Telecommunication Management; Configuration Management; Core network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.632	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.633	Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set	4.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.634	Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.641	Telecommunication Management; Configuration Management; UTRAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.642	Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM	4.0.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.643	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CORBA solution set	4.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.644	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.651	Telecommunication Management; Configuration Management; GERAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.652	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	.
TS	32.653	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set	4.0.0	Rel-4	S5	ZHOU, Di	.
TS	32.654	Telecommunication Management; Configuration Management; GERAN network resources 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	HIJDRA, Martiyn	.
TS	33.102	3G security; Security architecture	4.2.0	Rel-4	S3	VINCK, Bart	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	TSG#11:4.0.0
TS	33.107	3G security; Lawful interception architecture and functions	4.1.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	33.200	Network Domain Security - MAP	4.1.0	Rel-4	S3	KOIEN, Geir	
TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	VACANT,	v0.3.5 not fit for public gaze
TR	33.900	Guide to 3G security	none	Rel-4	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	

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TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TR	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	none	Rel-4	S3	VACANT,	.
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	
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	
TS	34.108	Common Test Environments for User Equipment (UE) Conformance Testing	4.0.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Logical Test Interface (TDD and FDD)	4.1.0	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)	4.1.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.0.0	Rel-4	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.0.0	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	Conformance Test specifications – Relevant for Regulatory use	1.0.0	Rel-4	T1	NIELSEN, Bjarke	. TSG#10:1.0.0
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	TP-000138 TSG#9:1.0.0 TSG#10:2.0.0 TSG#10:4.0.0
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.0.0	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	
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	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	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4 TSG#11:4.0.0

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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 TSG#11:4.0.0
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 TSG#11:4.0.0
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) TSG#11:4.0.0
TS	41.001	GSM Specification set	1.0.0	Rel-4	SP	MEREDITH, John M	->41.102 TSG#10:1.0.0
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.102	GSM Release 4 specifications	4.2.0	Rel-4	SP	MEREDITH, John M	
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Modules, Functional Characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	.
TS	42.031	Fraud Information Gathering System (FIGS) Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
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	4.1.0	Rel-4	N3	BRAUN, Achim	
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	4.0.0	Rel-4	T3	DIETRICH, Christian	
TS	43.020	Security-related Network Functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions Related to Mobile Station (MS) in Idle Mode	4.3.0	Rel-4	G1	HOWELL, Andrew	
TR	43.026	Multiband operation of GSM/DCS 1800 by a single operator	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	

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TS	43.030	Radio Network Planning Aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.046	Technical Realization of Facsimile Group 3 Service - non transparent	none	Rel-4	N3	BOSWARTHICK, David	.
TS	43.048	Security Mechanisms for SIM Toolkit Application; Stage 2	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: replaced by 23.048.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	TSG#11:4.0.0
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	4.0.0	Rel-4	G1	SEBIRE, Guillaume	Created after TSG#8.
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.1.0	Rel-4	G1	CARRIZO MARTÍNEZ, José Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.2.0	Rel-4	GP	LIVINGSTON, Margaret	
TS	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.1.0	Rel-4	G1	LEPPISAARI, Arto	#29: 7.0.0 #30: 7.1.0 GERAN#3:4.0.0 GERAN#4:4.1.0
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	#31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0 #32:9.0.0 TSG#8:9.0.0->4.0.0 TSG#9:4.1.0 TSG#10:4.2.0
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	#32:9.0.0 TSG#8:9.0.0 TSG#9:4.1.0 TSG#10:4.2.0
TS	43.071	Location services (LCS); Stage 2	4.0.0	Rel-4	S2	BROOK, Richard	Superseded by 23.271 Rel-4.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.1.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.008	Mobile radio interface layer 3 specification	4.0.0	Rel-4	N1	HOWELL, Andrew	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	TSG#11: Replaces 24.012 for Rel-4 on. GERAN#4:4.0.0
TS	44.013	Performance Requirements on Mobile Radio Interface	4.0.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.1.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.6.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	. TSG#10:4.0.0
TS	44.031	Location Services LCS RR LCS Protocol	4.2.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	4.0.0	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	4.3.0	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	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.1.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.1.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.068	Group Call Control (GCC) Protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	#32:9.0.0 TSG#8:9.0.0 GERAN#1:4.1.0
TS	44.069	Broadcast Call Control (BCC) protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	TSG#8:9.0GERAN#1:4.1.0
TS	44.071	Location services (LCS) stage 3	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical Layer on the Radio Path (General Description)	4.0.1	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	4.4.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.0.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.1.0	Rel-4	G1	SÉBIRE, Benoist	Rel-4 record created in error.
TS	45.005	Radio transmission and reception	4.5.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.5.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.0.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
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	

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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	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.5.0	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	

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TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.4.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	BSC-BTS Layer 2 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	none	Rel-4	S4	USAI, Paolino	-> 28.062
TS	48.071	Location services (LCS) SMLC-BSS interface L 3	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General Network Interworking Scenarios	4.0.0	Rel-4	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.0.0	Rel-4	N1	JUKIC, Zdravko	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.1.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.043	Support of Localised Service Area (SoLSA); Work Item Status	none	Rel-4	S1	KOKKOLA, Tommi	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	0.0.6	Rel-4	GP	MUELLER, Frank	GERAN#3:0.0.4 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.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.5.0	Rel-4	G4	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	4.2.0	Rel-4	G4	HU, Shicheng	GERAN#4:4.0.0

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.3.0	Rel-4	G4	HU, Shicheng	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	none	Rel-4	G4	HU, Shicheng	.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.2.0	Rel-4	T3	GUTHERY, Scott B.	
TS	51.013	Test specification for SIM API for Java card	none	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	none	Rel-4	T3	WOODSEND, Kristian	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	none	Rel-4	G3	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	none	Rel-4	G3	BUSIN, Ake	.
TS	52.071	Location Services (LCS); Location services management	4.1.0	Rel-4	S5	GARAPATY, Sonia	SP-13: withdrawn - see SP-010472.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.0.0	Rel-4	S5	NENNER, Karl-Heinz	.
D.3		**Release 5 3GPP Specifications and reports**					
TS	21.103	3rd Generation mobile system Release 5 specifications	1.0.0	Rel-5	SP	MEREDITH, John M	.
TR	21.905	Vocabulary for 3GPP Specifications	5.1.0	Rel-5	S1	ZARRI, Michele	.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	
TS	22.057	Mobile Execution Environment (MExE); Stage 1	5.2.0	Rel-5	S1	CATALDO, Mark	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.0.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.4.0	Rel-5	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	5.4.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	5.0.0	Rel-5	S1	EVEN, Anne	.
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.1.0	Rel-5	S1	MONTEGROSSO, Emanuele	TSG#11:5.0.0
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.1.0	Rel-5	S1	OGUNBEKUN, Jumoke	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.1.1	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover Requirements between UMTS and GERAN or other Radio Systems	5.0.0	Rel-5	S1	SAMPSON, Nick	.
TS	22.141	Presence service; Stage 1	5.0.0	Rel-5	S1	WOHLERT, Randolph	.
TS	22.146	Multimedia Broadcast/Multicast service; Stage 1	5.0.0	Rel-5	S1	JARVIS, Andre	To be approved SA#13.
TS	22.226	Global text telephony; Stage 1: Service description	5.1.0	Rel-5	S1	HELLSTROM, Gunnar	WI approved TSG#7 TSG#9:1.0.0
TS	22.228	IP multimedia subsystem; Stage 1	5.3.0	Rel-5	S1	CATALDO, Mark	Clayton 2000-10-16: Rel-5 confirmed. TSG#10:2.0.0=SP-000552 TSG#10:5.0.0 TSG#11:5.1.0
TS	22.233	Transparent end-to-end packet-switched streamng service; Service aspects; Stage 1	none	Rel-5	S1	WOLAK, Stephen	.
TS	22.240	3GPP generic user profile requirements; Stage 1	none	Rel-5	S1	AMERY, Paul	.
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	.
TR	22.941	IP based multimedia framework specifications	0.4.1	Rel-5	S1	WOHLERT, Randolph	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TR	22.946	Broadcast and multicast services	1.0.0	Rel-5	S1	,	To be scrapped SP-13.
TS	23.002	Network Architecture	5.4.0	Rel-5	S2	SULTAN, Alain	
TS	23.003	Numbering, Addressing and Identification	5.1.0	Rel-5	N4	GAASVIK, Per-Ola	.
TS	23.018	Basic Call Handling; Technical realization	5.1.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.040	Technical realization of Short Message Service (SMS)	5.1.0	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.1.0	Rel-5	T3	BARNES, Nigel	.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.2.0	Rel-5	S2	GREIS, Marc	
TS	23.121	Architecture Requirements for release 99	5.0.0	Rel-5	S2	DANIEL, Elizabeth	TSG#7: 3.3.0 TSG#9:5.0.0 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	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.0.0	Rel-5	T2	LAUMEN, Josef	.
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	23.207	End to end quality of service concept and architecture	5.1.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model	0.7.0	Rel-5	N1	ALLEN, Andrew	.
TS	23.221	Architectural requirements	5.2.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.226	Global text telephony; Stage 2: Architecture	5.0.0	Rel-5	N4	HELLSTROM, Gunnar	WI approved TSG#7
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.2.1	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.0.0	Rel-5	S2	TERRILL, Stephen	.
TS	23.240	3GPP generic user profile requirements; Stage 2; Architecture	none	Rel-5	S2	SULTAN, Alain	.
TS	23.241	3GPP generic user profile requirements; Stage 2; Data description framework	none	Rel-5	T2	LOCKHART, Rob	.
TS	23.271	Functional stage 2 description of location services	5.0.0	Rel-5	S2	KÅLL, Jan	.
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	none	Rel-5	N2	HOMANN, Christian	Was briefly 23.178.
TR	23.875	Support of Push service	5.0.0	Rel-5	S2	UDA, Nobuyuki	.
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	TSG#11:5.0.0 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	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.1.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	1.6.0	Rel-5	N1	O'HARE, John	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	0.7.0	Rel-5	N1	DRAGE, Keith	

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TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	.
TS	25.101	UE Radio transmission and reception (FDD)	5.0.0	Rel-5	R4	FERNANDES, Edgar	.
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.0.0	Rel-5	R4	SKÖLD, Johan	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.0.0	Rel-5	R4	RONCHINI, M. Cristina	.
TS	25.141	Base station conformance testing (FDD)	5.0.0	Rel-5	R4	NAKAMURA, Takaharu	.
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	5.2.0	Rel-5	R2	MIHAILESCU, Claudiu	
TS	25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN Overall Description	5.1.0	Rel-5	R3	CALMEL, Jean-Marie	.
TS	25.450	UTRAN Iupc interface general aspects and principles	5.0.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.451	UTRAN Iupc interface layer 1	5.0.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.452	UTRAN Iupc interface signalling transport	5.0.0	Rel-5	R3	LIN, Ie-Hong	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.1.0	Rel-5	R3	LIN, Ie-Hong	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	1.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	1.0.0	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 will be replaced by TS 25.308.
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects hans	none	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	.
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	none	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment positioning enhancements for 1,28 Mcps TDD	1.0.1	Rel-5	R2	,	.
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	none	Rel-5	R4	ALLAN, Mark	.
TR	25.868	Node B synchronization for 1,28 Mcps, TDD	1.0.0	Rel-5	R1	HU, Jinling	.
TR	25.869	RAN WG1 report on Tx diversity solutions for multiple antennas	1.0.1	Rel-5	R1	KIM, Sung-Jin	.
TR	25.870	Enhancement on the DSCH Hard Split mode	1.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	0.0.1	Rel-5	R3	MCWILLIAMS, Brendan	. TSG#11:5.0.0
TR	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	none	Rel-5	R1	HUANG, Howard	.
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	0.1.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL Timing Adjustment	0.2.0	Rel-5	R3	VOLTOLINA, Elena	.
TR	25.879	Separation of resource reservation and radio link activation	0.2.0	Rel-5	R3	LIESHOUT, Gert-Jan	.
TS	25.880	Traffic Termination Point Swapping	0.1.0	Rel-5	R3	ISOKANGAS, Jari	.
TR	25.881	Improvement of Radio Resource Management across RNS and RNS/BSS	0.2.0	Rel-5	R3	HWANG, Woonhee	.
TR	25.882	1,28 Mcps TDD option base station classification	1.0.0	Rel-5	R4	MEYER, Juergen	.

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TR	25.883	Direct Transport Bearers Between SRNC and Node-B	none	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	0.1.0	Rel-5	R3	VOLTOLINA, Elena	.
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.0.0	Rel-5	R4	NUMMINEN, Jussi	.
TS	25.886	Ssmall technical enhancements and improvements work item	none	Rel-5	R4	KWAK, Joe	.
TR	25.952	Base Station classification (TDD)	5.0.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	none	Rel-5	R4	MOSHAVI, Shimon	.
TS	26.103	Codec lists	5.0.0	Rel-5	S4	HELLWIG, Karl	. TSG#10:4.0.0 TSG#11:5.0.0
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	TSG#10:1.0.0=NP-000556 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.173	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	5.2.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.174	AMR speech codec, wideband; Test sequences	5.1.0	Rel-5	S4	EKUDDEN, Erik	. TSG#11:5.0.0
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.0.0	Rel-5	S4	VACANT,	TSG#10:1.0.0=NP-000663 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	TSG#10:1.0.0=NP-000559 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	TSG#10:1.0.0=NP-000560 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	TSG#10:1.0.0=NP-000561 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	TSG#10:1.0.0=NP-000562 TSG#10:1.0.0 TSG#11:4.0.0
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	TSG#10:1.0.0=NP-000563 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.0.0	Rel-5	S4	NAVARRO, William	TSG#10:1.0.0=NP-000564 TSG#10:1.0.0 TSG#11:5.0.0
TS	26.226	Global text telephony;Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	WI approved TSG#7 TSG#9:0.0.9 TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4 TSG#10:4.0.0 TSG#11:5.0.0
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4 TSG#10:4.0.0 TSG#11:5.0.0
TS	26.231	Global text telephony; Cellular text telephone modem minimum performance requirements	5.1.0	Rel-5	S4	HELLSTROM, Gunnar	. TSG#10:1.0.0 TSG#11:5.0.0
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.0.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TR	26.976	Results of the AMR wideband (AMR-W) selection phase	0.3.0	Rel-5	S4	JÄRVINEN, Kari	.
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;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	.
TS	29.162	Interworking between the IM CN subsystem and IP networks	0.1.0	Rel-5	N3	HOLLAND, Nigel	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	29.163	Interworking between the IM CN subsystem and CS networks	0.1.0	Rel-5	N3	HOLLAND, Nigel	.
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.
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.
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	29.207	End to end quality of service; stage 3	none	Rel-5	N3	YOKOTA, Daisuke	.
TS	29.208	End to end Quality of Service (QoS) signalling flows	none	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 Interface; Signalling flows and message contents	0.1.0	Rel-5	N4	CZOMA, Balazs	.
TS	29.229	Cx Interface based on the DIAMETER protocol; Protocol details	none	Rel-5	N4	PALLARES LOPEZ, Miguel Angel	.
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	.
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	0.1.0	Rel-5	N4	YOUNG, Michael	NP-11:creation Supersedes 29.203
TR	29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3	none	Rel-5	N5	UNMEHOPA, Musa	
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.0.0	Rel-5	TP	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	USAT interpreter byte codes	5.0.0	Rel-5	TP	,	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	USAT interpreter protocol and administration	none	Rel-5	T3	MEYER, Michael	
TS	32.112	Telecommunication Management; Fault Management; Alarm Integration Reference Point: Information Service	none	Rel-5	S5	JURE, Patrick	.
TS	32.113	Telecommunication Management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1	none	Rel-5	S5	JURE, Patrick	.
TS	32.114	Telecommunication Management; Fault Management; Alarm Integration Reference Point: CMIP solution set	none	Rel-5	S5	JURE, Patrick	.
TS	32.140	3G Service Management Requirements & Framework	0.1.3	Rel-5	S5	CARYER, Geoffrey	.
TS	32.225	Telecom management; Charging management; Charging data description for the IMS domain	none	Rel-5	S5	,	.
TR	32.801	Performance management	none	Rel-5	S5	KORINEK, Frank	2001-08-27: S5 Secretary: no document to be produced.
TR	32.802	3G telecom management: User Equipment (UE) management feasibility study	0.0.2	Rel-5	S5	,	.
TS	33.106	Lawful interception requirements	5.0.0	Rel-5	S3	WILHELM, Berthold	TSG#11:5.0.0
TS	33.107	3G security; Lawful interception architecture and functions	5.0.0	Rel-5	S3	WILHELM, Berthold	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	33.108	Lawful Interception; Interface between core network and law agency equipment	none	Rel-5	S3	WILHELM, Berthold	.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	.
TS	33.203	Access Security for IP based services	0.4.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	Network Domain Security - IP	none	Rel-5	S3	VACANT,	
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	VACANT,	.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TS	41.103	GSM Release 5 specifications	1.0.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.0.0	Rel-5	T3	DIETRICH, Christian	.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	TSG#11:5.0.0
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.3.0	Rel-5	G1	SEBIRE, Guillaume	Created after TSG#8.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.0.0	Rel-5	GP	LIVINGSTON, Margaret	.
TR	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G2	GUARINO, Bernard	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.2.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.031	Location Services LCS RR LCS Protocol	5.0.0	Rel-5	G2	GARAPATY, Sonia	.
TS	45.001	Physical Layer on the Radio Path (General Description)	5.1.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.2.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.2.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.1.0	Rel-5	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	5.3.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.1.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.2.0	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	5.0.0	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	5.0.0	Rel-5	G2	BLACK, Jyoti	.
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
D.4		**Release 1999 GSM Specifications and reports**					
TR	01.00	Working Procedures for SMG	8.0.0	R99	SP	BERGMANN, Ansgar	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	01.01	GSM Release 1999 Specifications	8.3.0	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)	8.2.0	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	#28: 8.0.0 #29: 8.1.0 (to be deleted, moved to 3GPP)
TS	02.07	Mobile Station (MS) Features	8.1.0	R99	S1	JEAL, David	#29: 8.0.0 #30: 8.1.0 TSG#6: withdrawn
TS	02.09	Security Aspects	8.0.1	R99	S3	CHRISTOFFERSSON , Per	.
TS	02.17	Subscriber Identity Modules, Functional Characteristics	8.0.0	R99	T3	HOOKER, Philip	#30: 8.0.0
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	8.0.0	R99	T3	DIETRICH, Christian	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved
TS	02.31	Fraud Information Gathering System (FIGS) Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	.
TS	02.32	Immediate Service Termination (IST); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	.
TS	02.33	Lawful Interception; Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	8.1.0	R99	S1	MUHONEN, Ahti	#28: 8.0.0 #29: 8.1.0 (to be deleted, moved to 3GPP)
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	.
TS	02.40	Procedures for Call Progress Indications	8.0.0	R99	S1	DWYER, Paul	#30: 8.0.0
TS	02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	8.0.0	R99	S1	GILES, Les	#29: 8.0.0 (to be deleted, moved to 3GPP)
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!
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	#31:8.0.0 TSG#10:8.1.0
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	

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	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	BRAUN, Achim	#29: 8.0.0 TSG#6: 8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
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	8.2.0	R99	T3	DIETRICH, Christian	Target: Mid-2001; must await stable 11.14 R99. TSG#10:8.0.0 TSG#11:8.1.0
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
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	. TSG#11:8.1.0
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	Frozen at v7
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.0	R99	N3	BOSWARTHICK, David	#29: 8.0.0
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.0	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	Frozen at v7
TS	03.48	Security Mechanisms for SIM Toolkit Application; Stage 2	8.7.0	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	Frozen at v7
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 MARTÍNEZ, José Luis	GERAN#2: 8.0.0

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	#31: 8.0.0
TS	03.64	Overall description of the GPRS radio interface; Stage 2	8.8.0	R99	G1	LEPPISAARI, Arto	#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#1:8.6.0 GERAN#3:8.7.0 GERAN#4:8.8.0
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	8.3.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
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	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.1	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	. GERAN#3:8.1.0
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!).
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	8.3.0	R99	G2	HOWELL, Andrew	#32:8.1.0
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.11.0	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)	8.6.0	R99	G2	GARAPATY, Sonia	
TS	04.35	Location Services LCS Stage 3 E-OTD Enhanced Observed	8.3.0	R99	G2	GARAPATY, Sonia	. GERAN#1:8.2.0 GERAN#3:8.3.0
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

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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	8.11.0	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	#31: 8.0.0
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.6.0	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	8.2.0	R99	G2	ANDERSEN, Niels Peter Skov	#32:8.1.0
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)	8.5.0	R99	GP	JOKINEN, Harri	#29: 8.0.0 #30: 8.1.0 #30b:8.2.0 #31:8.3.0 #32:8.4.0 GERAN#1:8.5.0
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	8.3.0	R99	G1	SÉBIRE, Benoist	#28: 8.0.0 #30b 8.1.0 GERAN#3:8.2.0
TS	05.05	Radio Transmission and Reception	8.11.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.11.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.4.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.8.0	R99	G1	JOKINEN, Harri	#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.2.0 #32:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0 GERAN#3:8.7.0 GERAN#4:8.8.0
TR	05.14	Release independent frequency bands; Implementation guidelines	none	R99	G1	KANGAS, Antti	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. 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	.
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	#32:8.1.0
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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 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	#32:8.1.0 TSG#10:8.2.0
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	8.0.0	R99	S4	USAI, Paolino	TSG#7:2.0.0, 8.0.0
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
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.10.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.9.0	R99	G2	BLACK, Jyoti	#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.3.0 GERAN#1:8.4.0 GERAN#2:8.5.0 GERAN#3:8.6.0
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 #30: 8.1.0 TSG#9:8.2.0 TSG#10:8.3.0 TSG#11:8.4.0
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2 Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#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	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	8.1.0	R99	G2	ANDERSEN, Niels Peter Skov	#30: 8.0.1 #30b: 8.1.0
TS	08.61	Inband Control of Remote Transcoder and Rate Adaptors; (Half Rate)	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	.
TS	08.71	Location services (LCS) SMLC-BSS interface L 3	8.3.0	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)
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R99	N1	JUKIC, Zdravko	#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.

Type	Number	Title	Ver at TSG#13	Rel	TSG/ WG	Editor	Comment
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 Extension (BSSAP-LE)	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	10.43	Support of Localised Service Area (SoLSA); Work Item Status	1.11.0	R99	S1	KOKKOLA, Tommi	#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	,	
TS	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	0.0.6	R99	GP	ISAACS, Ken	
TS	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.3.0	R99	G4	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	G4	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	G4	SALMERON, Lidia	skipped straight to R00.
TS	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	8.0.0	R99	G4	SALMERON, Lidia	May 00: R99 not anticipated.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.5.0	R99	T3	GUTHERY, Scott B.	
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.8.0	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,	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #30b: 8.0.0 #31:8.1.0 #31b:8.1.0 #32:8.3.0 GERAN#1:8.4.0 GERAN#2:8.5.0 GERAN#4:8.6.0
TS	11.26	GSM Repeater Equipment Specification	8.0.2	R99	G3	VACANT,	#31b:8.0.0 (based on 5.2.1)
TS	12.03	Security Management	8.0.0	R99	S5	ZOICAS, Adrian	
TS	12.04	Performance data measurements	8.0.0	R99	S5	ZOICAS, Adrian	
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.

Annex E: List of Change Requests and their status after TSG SA Meeting #13

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010430	21.905	011		3.2.0	R99	CR to 21.905v3.2.0 (R99) on Alignment of definitions requested by RAN 4	approved	F	3.3.0	Vocabulary for 3GPP Specifications
SP-010430	21.905	012		4.3.0	Rel-4	CR to 21.905v4.3.0 (Rel-4) on Alignment of definitions requested by RAN 4	approved	F	4.4.0	Vocabulary for 3GPP Specifications
SP-010430	21.905	013		5.0.0	Rel-5	CR to 21.905v5.0.0 (Rel-5) on Alignment of definitions requested by RAN 4	approved	B	5.1.0	Vocabulary for 3GPP Specifications
SP-010429	21.905	014		3.2.0	R99	Adding new definitions for 21.905 for Iu mode and A/Gb mode	approved	F	3.3.0	Vocabulary for 3GPP Specifications
SP-010429	21.905	015		4.3.0	Rel-4	Adding new definitions to 21.905 for In Iu mode and In A/Gb mode	approved	A	4.4.0	Vocabulary for 3GPP Specifications
SP-010431	21.905	016		5.0.0	Rel-5	CR to 21.905 version 5.0.0 Nomenclature for GTT	approved	B	5.1.0	Vocabulary for 3GPP Specifications
SP-010440	22.057	007		5.1.0	Rel-5	Generic requirements for support of multiple MExE classmarks	approved	F	5.2.0	Mobile Execution Environment (MExE); Stage 1
SP-010442	22.060	021	1	4.2.0	Rel-5	Introduction of High Speed Downlink Packet Access	approved	B	5.0.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-010432	22.078	112	3	5.3.0	Rel-5	Enhanced charging for Call Party Handling. 22.078-112; Rel 5; F	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	113	2	5.3.0	Rel-5	CR to 22.078 (Rel-5) on Introduction of definitions for CPH 22.078-113; Rel 5; F	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	114	1	5.3.0	Rel-5	CR to 22.078 (Rel-5) on Editorial corrections to subclause 8.1. 22.078-114; Rel 5; F	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	115	1	5.3.0	Rel-5	Introduction service requirements for CAMEL interworking with the IP multimedia subsystem 22.078-115; Rel 5; B	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	116		5.3.0	Rel-5	CR additional procedure description to Charging Notification 22.078-116; Rel 5; C	approved	C	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	118		5.3.0	Rel-5	CR additional information called party connection procedure 22.078-118; Rel 5; C	approved	C	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	119	2	5.3.0	Rel-5	Tones support for CAMEL phase 4	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	120		5.3.0	Rel-5	Correction of on line charging procedures in case of CPH	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	121	1	5.3.0	Rel-5	Applicability of CAMEL to IMS	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	122	1	5.3.0	Rel-5	Applicability of CAMEL to IP Multimedia sessions	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010432	22.078	123		5.3.0	Rel-5	CAMEL and IM application registration	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010428	22.100	030	2	3.6.0	R99	Correction of support of facsimile teleservice for UMTS R99 specifications	approved	F	3.7.0	UMTS Phase 1
SP-010441	22.101	083		4.4.0	Rel-4	Addition of a statement on parameter storage on the SIM/USIM.	approved	F	4.5.0	Service aspects; Service principles

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010441	22.101	084		5.3.0	Rel-5	Addition of a statement on parameter storage on the SIM/USIM.	approved	A	5.4.0	Service aspects; Service principles
SP-010437	22.101	085		4.4.0	Rel-4	Correction of MMS paragraph	approved	F	4.5.0	Service aspects; Service principles
SP-010436	22.101	086	1	5.3.0	Rel-5	Definition of Home Environment	approved	F	5.4.0	Service aspects; Service principles
SP-010442	22.105	032	1	4.2.0	Rel-5	Introduction of High Speed Downlink Packet Access	approved	B	5.0.0	Services & service capabilities
SP-010439	22.127	014	1	5.0.0	Rel-5	Re-introduction of R5 OSA function; Traceability, CR 22.127 - 14	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	015		5.0.0	Rel-5	Re-introduction of R5 OSA function; Multi Media Channel Control CR 22.127-15	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	016		5.0.0	Rel-5	Re-introduction of R5 OSA function; Retrieval of Network Capabilities CR 22.127-16	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	017		5.0.0	Rel-5	OSA support of information service function CR 22.127-17	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	018		5.0.0	Rel-5	OSA support of Presence service function CR 22.127-18	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	019		5.0.0	Rel-5	OSA requirements for User Data Management CR 22.127-19	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	020		5.0.0	Rel-5	OSA requirements on User Profile Access Management CR 22.127-20	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010439	22.127	021		5.0.0	Rel-5	Correction of Scope statement CR 22.127-21	approved	F	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010436	22.127	024	1	5.0.0	Rel-5	Definitions of Home Environment and HE-VASP	approved	F	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010434	22.129	020	1	4.3.0	Rel-5	Release 5 IMS Service Continuity Requirements	approved	B	5.0.0	Handover Requirements between UMTS and GERAN or other Radio Systems
NP-010505	22.129	021		3.5.0	R99	Bearer selection criteria of calls in a multicall	withdrawn	F		Handover Requirements between UMTS and GERAN or other Radio Systems
NP-010506	22.129	022		4.3.0	Rel-4	Bearer selection criteria of calls in a multicall	withdrawn	A		Handover Requirements between UMTS and GERAN or other Radio Systems
SP-010433	22.226	001		5.0.0	Rel-5	CR to 22.226 version 5.0.0 GTT Stage 1 as requested by SA	approved	F	5.1.0	Global text telephony; Stage 1: Service description
SP-010435	22.228	007		5.2.0	Rel-5	Interworking with internet	approved	D	5.3.0	IP multimedia subsystem; Stage 1
SP-010435	22.228	008		5.2.0	Rel-5	Determination of terminal capability	approved	C	5.3.0	IP multimedia subsystem; Stage 1
SP-010438	22.228	009	2	5.2.0	Rel-5	CR to 22.228 on IM CN Subsystem Roaming	rejected	C		IP multimedia subsystem; Stage 1
SP-010545	22.905	17		3.2.0	R99	Application of RAN CR 21.905-008 to R99	approved	F	3.3.0	

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010510	03.71	A029	1	8.2.0	R99	Applicability of Privacy Override Indicator	approved	A	8.3.0	Location Services (LCS); Functional description; Stage 2
SP-010510	03.71	A030	1	7.6.0	R98	Correction of Inconsistent text	approved	F	7.7.0	Location Services (LCS); Functional description; Stage 2
SP-010510	03.71	A031	1	8.2.0	R99	Correction of Inconsistent Text	approved	A	8.3.0	Location Services (LCS); Functional description; Stage 2
SP-010510	03.71	A032	1	7.6.0	R98	Applicability of Privacy Override Indicator	approved	F	7.7.0	Location Services (LCS); Functional description; Stage 2
SP-010511	23.002	061	2	5.3.0	Rel-5	CR on Introduction of Dx Reference Point in the IMS Reference Architecture"	approved	F	5.4.0	Network Architecture
SP-010511	23.002	063	1	5.3.0	Rel-5	CR on "Update the IP MM Subsystem configuration to include the BGCF node"	approved	F	5.4.0	Network Architecture
SP-010511	23.002	068		5.3.0	Rel-5	CR on "MRF functionality"	approved	C	5.4.0	Network Architecture
SP-010509	23.060	211	2	3.8.0	R99	Corrections for lossless and PDCP sequence numbering	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	219	1	3.8.0	R99	Clarification on Lossless SRNS Relocation	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	224	2	3.8.0	R99	Data forwarding during 3G RAU in PMM CONNECTED state	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	225	1	4.1.0	Rel-4	Data forwarding during 3G RAU in PMM CONNECTED state	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	227	1	3.8.0	R99	Using RAU procedure for MS RAC IE update	approved	A	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	228	1	4.1.0	Rel-4	Using RAU procedure for MS RAC IE update	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	240	1	3.8.0	R99	Suspend/resume for DTM mobiles	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	241	1	4.1.0	Rel-4	Suspend/resume for DTM mobiles	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	242		3.8.0	R99	Wrong placement of GPRS-CSI field in HLR subscription data	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	243		4.1.0	Rel-4	Wrong placement of GPRS-CSI field in HLR subscription data	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	244		3.8.0	R99	Correction of APN selection rules to support shared networks properly	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	245		4.1.0	Rel-4	Correction of APN selection rules to support shared networks properly	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	248	1	4.1.0	Rel-5	Binding Information in PDP Configuration Options	revised	C		General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	249	1	3.8.0	R99	Clarification of handling of real-time PDP contexts	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	250	1	4.1.0	Rel-4	Clarification of handling of real-time PDP contexts	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	251	1	3.8.0	R99	Clarification of QoS negotiation during context activation	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	252	1	4.1.0	Rel-4	Clarification of QoS negotiation during context activation	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	253	1	3.8.0	R99	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2

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SP-010509	23.060	254	1	4.1.0	Rel-4	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	257	1	4.1.0	Rel-4	RAB Modification procedure	approved	F	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	258		4.1.0	Rel-4	Clarification on Lossless SRNS Relocation	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	259	1	3.8.0	R99	Removal of RANAP Cause in the Relocation Cancel Procedure	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010509	23.060	260		4.1.0	Rel-4	Corrections for lossless and PDCP sequence numbering	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010512	23.107	049		4.1.0	Rel-4	Clarification of traffic class weights in QoS profile	approved	A	4.2.0	Quality of Service (QoS) concept and architecture
SP-010512	23.107	050		5.1.0	Rel-5	Clarification of traffic class weights in QoS profile	approved	A	5.2.0	Quality of Service (QoS) concept and architecture
SP-010510	23.171	019	1	3.4.0	R99	Applicability of Privacy Override Indicator	approved	F	3.5.0	Functional stage 2 description of location services in UMTS
SP-010513	23.207	002		5.0.0	Rel-5	Token generation at the PCF	approved	F	5.1.0	End to end quality of service concept and architecture
SP-010513	23.207	003	1	5.0.0	Rel-5	Session Flow: QoS Interaction Procedures	approved	F	5.1.0	End to end quality of service concept and architecture
SP-010513	23.207	004	1	5.0.0	Rel-5	COPS Usage for Go Interface	approved	F	5.1.0	End to end quality of service concept and architecture
SP-010513	23.207	005	1	5.0.0	Rel-5	P-CSCF and PCF Clarifications	approved	F	5.1.0	End to end quality of service concept and architecture
SP-010514	23.221	003	2	5.1.0	Rel-5	CR on "Efficient use of the Radio Resource Technical Requirements"	approved	B	5.2.0	Architectural requirements
SP-010514	23.221	016		5.1.0	Rel-5	Correction on CSCF discovery to align with 23.228	approved	C	5.2.0	Architectural requirements
SP-010515	23.228	010		5.1.0	Rel-5	CR on "23.228 Correction for the usage of CAMEL services on top of IMS"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	011	2	5.1.0	Rel-5	QoS-Assured Preconditions	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010553	23.228	019	1	5.1.0	Rel-5	SIP compression	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	022		5.1.0	Rel-5	CR on "Incorrect text on interworking with ISUP"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	025		5.1.0	Rel-5	Corrections to 23.228 V5.0.0	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	032		5.1.0	Rel-5	CR on "Correct information related to IPv4 handling"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	045		5.1.0	Rel-5	CR on "MRF functionality and architecture"	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	049	2	5.1.0	Rel-5	Awareness of local SIP services in the IM Subsystem	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	050		5.1.0	Rel-5	Token generation at the PCF	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	051	2	5.1.0	Rel-5	SIP protocol on the SIP+ (ISC) interface	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	052	2	5.1.0	Rel-5	CR on "Emergency sessions"	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	055	2	5.1.0	Rel-5	CR on "Network Initiated De-registration procedure"	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	058	1	5.1.0	Rel-5	Terminology Change from SIP+ to ISC for Service Control interface	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	061	3	5.1.0	Rel-5	Clarification of P-CSCF discovery	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	081		5.1.0	Rel-5	P-CSCF and PCF Clarifications	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010515	23.228	083		5.1.0	Rel-5	Service control during registration and de-registration	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010510	23.271	028	1	4.2.0	Rel-4	Correction on the categorization of the periodical location request	approved	F	4.3.0	Functional stage 2 description of location services
SP-010510	23.271	029		4.2.0	Rel-4	Addition of the notification on the acceptance of the deferred location request	approved	F	4.3.0	Functional stage 2 description of location services
SP-010510	23.271	031	1	4.2.0	Rel-4	Correction on the handling of the deferred location request in detached case	approved	F	4.3.0	Functional stage 2 description of location services
SP-010510	23.271	032	1	4.2.0	Rel-4	Applicability of Privacy Override Indicator	approved	F	4.3.0	Functional stage 2 description of location services
SP-010510	23.271	033		4.2.0	Rel-4	Privacy Check procedures for CS Call related MT-LR	approved	F	4.3.0	Functional stage 2 description of location services

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SP-010510	23.271	034	1	4.2.0	Rel-4	Privacy Class selection rule clarification	approved	F	4.3.0	Functional stage 2 description of location services
SP-010510	23.271	035	1	4.2.0	Rel-5	Release 5 alignment of 23.271 with GERAN LCS stage 2, TS 43.059	approved	B	5.0.0	Functional stage 2 description of location services

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010492	33.102	155	1	4.1.0	Rel-4	Adding PS-domain specific access type codes to authentication failure report	approved	F	4.2.0	3G security; Security architecture
SP-010493	33.103	016	2	3.6.0	R99	Correction of USIM data elements for AKA	approved	F	3.7.0	3G security; Integration guidelines
SP-010493	33.103	017		4.1.0	Rel-4	Correction of USIM data elements for AKA	approved	A	4.2.0	3G security; Integration guidelines
SP-010496	33.200	001		4.0.0	Rel-4	All messages of the same application context shall be applied MAPsec or not at all	approved	F	4.1.0	Network Domain Security - MAP
SP-010497	33.200	002		4.0.0	Rel-4	Clarification of scope	approved	F	4.1.0	Network Domain Security - MAP
SP-010498	33.200	005	1	4.0.0	Rel-4	Clarifications in SPD and SAD contents	approved	F	4.1.0	Network Domain Security - MAP
SP-010499	33.200	007		4.0.0	Rel-4	MAPsec Message Flow including extra SPD table	approved	F	4.1.0	Network Domain Security - MAP
SP-010500	33.200	008	1	4.0.0	Rel-4	Correction to security policy requirements	approved	F	4.1.0	Network Domain Security - MAP
SP-010501	33.200	009		4.0.0	Rel-4	Content and identifiers of a MAPSec SA	approved	F	4.1.0	Network Domain Security - MAP
SP-010502	33.200	010		4.0.0	Rel-4	MIA key length unspecified	approved	F	4.1.0	Network Domain Security - MAP
SP-010503	33.200	011		4.0.0	Rel-4	MAC calculation in PM2	approved	F	4.1.0	Network Domain Security - MAP
SP-010494	33.107	005		3.2.0	R99	Missing location related information in Packet Data Event Records	approved	F	3.3.0	3G security; Lawful interception architecture and functions
SP-010495	33.107	007	1	3.2.0	R99	Reporting of Secondary PDP context	approved	F	3.3.0	3G security; Lawful interception architecture and functions
SP-010495	33.107	008	1	4.0.0	Rel-4	Reporting of Secondary PDP context	approved	A	4.1.0	3G security; Lawful interception architecture and functions

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010452	26.104	009	1	3.2.0	R99	Correction to make encoder and decoder memories independent	approved	F	3.3.0	ANSI-C code for the floating-point AMR speech codec
SP-010452	26.104	010	1	4.1.1	Rel-4	Correction to make encoder and decoder memories independent	approved	A	4.2.0	ANSI-C code for the floating-point AMR speech codec
SP-010452	26.104	017		3.2.0	R99	Correction of decoder operation in error concealement of lost frames	approved	F	3.3.0	ANSI-C code for the floating-point AMR speech codec
SP-010452	26.104	018		4.1.1	Rel-4	Correction of decoder operation in error concealement of lost frames	approved	A	4.2.0	ANSI-C code for the floating-point AMR speech codec
SP-010453	26.131	007	1	3.2.0	R99	Introduction of ANR tolerance of 3 dB	approved	F	3.3.0	Terminal acoustic characteristics for telephony; Requirements
SP-010453	26.131	008		4.0.0	Rel-4	Introduction of ANR tolerance of 3 dB	approved	A	4.1.0	Terminal acoustic characteristics for telephony; Requirements
SP-010453	26.131	009		5.0.0	Rel-5	Introduction of ANR tolerance of 3 dB	approved	A	5.1.0	Terminal acoustic characteristics for telephony; Requirements
SP-010454	26.132	004		5.0.0	Rel-5	Extended scope of test signals for Ambient Noise Rejection	approved	B	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-010454	26.132	005		3.2.0	R99	Bandwidth of test signals for acoustic testing	approved	F	3.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-010454	26.132	006		5.0.0	Rel-5	Restricted scope of ITU-T P.501 test signals for 3G acoustic tests	approved	F	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-010454	26.132	007		4.0.0	Rel-4	Bandwidth of test signals for acoustic testing	approved	A	4.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-010454	26.132	008		5.0.0	Rel-5	Bandwidth of test signals for acoustic testing	approved	A	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification
SP-010455	26.173	007		5.1.1	Rel-5	Error in the C-code of the encoder homing function	approved	F	5.2.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-010455	26.173	008		5.1.1	Rel-5	Inconsistency in the file format description	approved	F	5.2.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-010456	26.231	001		5.0.0	Rel-5	Request to change muting of transmitter from 5th info bit to 4th info bit at beginning of a TTY burst	approved	F	5.1.0	Global text telephony; Cellular text telephone modem minimum performance requirements
SP-010457	26.234	001	1	4.0.0	Rel-4	3GPP PSS4 SMIL Language Profile	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010457	26.234	002		4.0.0	Rel-4	Clarification of H.263 baseline settings	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010457	26.234	003	2	4.0.0	Rel-4	Release 4: Updates of references	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010457	26.234	004	1	4.0.0	Rel-4	Corrections to Annex A	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010457	26.234	005	1	4.0.0	Rel-4	Clarifications to chapter 7	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010457	26.234	006	1	4.0.0	Rel-4	Clarification of the use of XHTML Basic	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-010458	26.975	001		3.0.0	R99	Clarification of 3G simulator settings used for AMR characterization in 3G channels	approved	F	3.1.0	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec

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SP-010458	26.975	002		4.0.0	Rel-4	Clarification of 3G simulator settings used for AMR characterization in 3G channels	approved	A	4.1.0	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010462	32.005	007		3.4.0	R99	Correction on Terminating CAMEL subscription information	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-010462	32.005	008		3.4.0	R99	Corrections for the delivered dialog parameter for CAMEL Phase 3	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-010462	32.005	009		3.4.0	R99	Addition of "Rate Indication" and "FNUR" in the CDRs, and other Corrections	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-010463	32.015	028		3.6.0	R99	Decoupling of Tariff time switches on GSN- and CAMEL-level from a CDR's perspective	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010463	32.015	029		3.6.0	R99	Data type definition for MSNetworkCapability corrected and aligned with TS 24.008	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010463	32.015	030		3.6.0	R99	Modification of “System Type”	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010463	32.015	031		3.6.0	R99	Correction of G-CDR trigger conditions	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010465	32.101	015		4.1.0	Rel-4	Reference Corrections	approved	F	4.2.0	3G Telecom Management principles and high level requirements
SP-010466	32.102	016		4.1.0	Rel-4	Update and alignment of compliance conditions for UMTS Management Physical architectures	approved	F	4.2.0	3G Telecom Management Architecture
SP-010522	32.102	017		4.1.0	Rel-4	Specify the Rule for IDL file names	approved	F	4.2.0	3G Telecom Management Architecture
SP-010475	32.102	017		4.1.0	Rel-4	Specify the Rule for IDL file names	reissued	F		3G Telecom Management Architecture
SP-010473	32.106-6	010		3.2.0	R99	Duplicated exception definition for FilterComplexityLimit	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010474	32.111-2	009		4.0.0	Rel-4	Definition of thresholdInfo in Alarm IRP: IS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-010469	32.111-3	010		4.0.0	Rel-4	Correction of BadAlarmInformationIdSeq parameter type	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-010474	32.111-3	011		4.0.0	Rel-4	Definition of thresholdInfo in Alarm IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-010522	32.111-3	012		4.0.0	Rel-4	Eliminate guesses on IDL file names in Alarm IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-010475	32.111-3	012		4.0.0	Rel-4	Eliminate guesses on IDL file names in Alarm IRP: CORBA SS	reissued	F		Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1

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SP-010470	32.111-4	001	1	3.1.1	Rel-4	Addition of features	approved	B	4.0.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-010522	32.303	001		4.0.0	Rel-4	Eliminate guesses on IDL file names in Notification IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-010475	32.303	001		4.0.0	Rel-4	Eliminate guesses on IDL file names in Notification IRP: CORBA SS	reissued	F		Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-010471	32.304	001		4.0.0	Rel-4	SupportedNotificationCategory syntax	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-010471	32.304	002		4.0.0	Rel-4	Introduction of conditional packages	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-010471	32.304	003		4.0.0	Rel-4	OID modified according to TS 32.304 new number	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-010468	32.403	001		4.0.0	Rel-4	Corrections on UMTS and combined UMTS/GSM measurements	approved	F	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-010476	32.602	001		4.0.0	Rel-4	Replace the current parameter invokeIdentifier with the two parameters invokeIdentifierIn and invokeIdentifierOut in the operations getMoAttributes() and getContainment()	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP information model
SP-010476	32.603	001		4.0.0	Rel-4	Correction of invokeIdentifier usage	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-010478	32.604	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set
SP-010476	32.604	002		4.0.0	Rel-4	Correction of invokeIdentifier usage	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set
SP-010479	32.612	001		4.0.0	Rel-4	Add the notification notifyComments in all MOCs that support alarms and correct the list of allowed members of the attribute managedElementType of the MOC managedElement	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service
SP-010478	32.614	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set
SP-010479	32.622	001		4.0.0	Rel-4	Correction of State Machine Pre and Post Conditions	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM
SP-010479	32.622	002		4.0.0	Rel-4	Correction of Generic NRM Containment/Naming and Association diagram	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM
SP-010479	32.622	003		4.0.0	Rel-4	Correct description of swVersion attribute	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM

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SP-010479	32.623	001		4.0.0	Rel-4	Missing Mapping table added and attribute qualifier corrected	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set
SP-010478	32.624	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set
SP-010479	32.624	002		4.0.0	Rel-4	Change the attribute “systemTitle” from mandatory to optional	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set
SP-010478	32.634	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set
SP-010478	32.644	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CMIP solution set
SP-010477	32.652	001		4.0.0	Rel-4	Addition of mcc and mnc in the object model of GERAN	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM
SP-010478	32.654	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set
SP-010477	32.654	002		4.0.0	Rel-4	Addition of mcc and mnc in the object model of GERAN	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set
SP-010472	52.071	001		4.0.0	Rel-4	Withdrawal of TS 52.071 from Rel-4	approved	F	4.1.0	Location Services (LCS); Location services management

E.6 CRs from TSG SA level

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SP-010419	01.01	003		8.2.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications
SP-010524	01.01	003	1	8.2.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications
SP-010586	01.01	003	2	8.2.0	R99	Correction to list of specifications	approved	F	8.3.0	GSM Release 1999 Specifications
SP-010416	21.101	006		3.4.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-010533	21.101	006	1	3.4.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-010585	21.101	006	2	3.4.0	R99	Correction to list of specifications	approved	F	3.5.0	3rd Generation mobile system Release 1999 Specifications
SP-010417	21.102	003		4.1.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications
SP-010534	21.102	003	1	4.1.0	Rel-4	Correction to list of specifications	approved	F	4.2.0	3rd Generation mobile system Release 4 specifications
SP-010482	21.801	003		4.1.0	Rel-4	Corrections of invalid clause reference	approved	F	4.2.0	Specification drafting rules
SP-010420	41.102	002		4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-010536	41.102	002	1	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-010568	41.102	002	2	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-010575	41.102	002	3	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-010587	41.102	002	4	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-010592	41.102	002	5	4.1.0	Rel-4	Correction to list of specifications	approved	F	4.2.0	GSM Release 4 specifications

Annex F: Status of all 3GPP CRs after TSG SA #13 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-010496	04.64	A153		6.8.0	R97	Correction of cross-reference errors	approved	F	6.9.0	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1
NP-010492	04.65	A074		8.1.0	R99	Conditions for header compression	approved	F	8.2.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
NP-010491	09.18	A045	1	7.3.0	R98	TMSI status indication	approved	F	7.4.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010453	09.60	A105		6.10.1	R97	Clarification of the term TLLI in SGSN Context Request message	approved	F	6.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-010453	09.60	A106		7.7.2	R98	Clarification of the term TLLI in SGSN Context Request message	approved	A	7.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-010440	09.61	A017	1	6.4.0	R97	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	revised	F		General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010530	09.61	A017	2	6.4.0	R97	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	approved	F	6.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010440	09.61	A018	1	7.3.0	R98	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	revised	A		General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010530	09.61	A018	2	7.3.0	R98	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	approved	A	7.4.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010459	23.003	031		4.1.0	Rel-4	Clarification on APN labels that begin with a digit.	approved	F	4.2.0	Numbering, Addressing and Identification	N4
NP-010459	23.003	032		5.0.0	Rel-5	Clarification on APN labels that begin with a digit	approved	A	5.1.0	Numbering, Addressing and Identification	N4
NP-010494	23.009	040		3.7.0	R99	GSM to UMTS Handover: Location Reporting in 3G_MSC-B for no call up case	approved	F	3.8.0	Handover procedures	N1
NP-010494	23.009	041		4.1.0	Rel-4	GSM to UMTS Handover: Location Reporting in 3G_MSC-B for no call up case	approved	A	4.2.0	Handover procedures	N1
NP-010495	23.009	046		3.7.0	R99	Correction of SDL figures in CRs 034 and 035 (N1-010913, N1-010914)	approved	F	3.8.0	Handover procedures	N1
NP-010495	23.009	047		4.1.0	Rel-4	Correction of SDL figures in CRs 034 and 035 (N1-010913, N1-010914)	approved	A	4.2.0	Handover procedures	N1

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NP-010494	23.009	048	1	3.7.0	R99	Usage of Location Reporting for Relocation and Inter-system Handover	approved	F	3.8.0	Handover procedures	N1
NP-010494	23.009	049	1	4.1.0	Rel-4	Usage of Location Reporting for Relocation and Inter-system Handover	approved	A	4.2.0	Handover procedures	N1
NP-010502	23.009	050		3.7.0	R99	Bearer selection criteria of calls in a multicall	withdrawn	F		Handover procedures	N1
NP-010503	23.009	051		4.1.0	Rel-4	Bearer selection criteria of calls in a multicall	withdrawn	A		Handover procedures	N1
NP-010458	23.018	075		3.8.0	R99	Addition of missing process Update_Location_VLR	approved	F	3.9.0	Basic Call Handling; Technical realization	N4
NP-010458	23.018	076		4.3.0	Rel-4	Addition of missing process Update_Location_VLR	approved	A	4.4.0	Basic Call Handling; Technical realization	N4
NP-010458	23.018	077		5.0.0	Rel-5	Addition of missing process Update_Location_VLR	approved	A	5.1.0	Basic Call Handling; Technical realization	N4
NP-010447	23.078	310	1	3.9.0	R99	Correction of error implementing CR 23.078-194r3	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010447	23.078	311		4.1.0	Rel-4	Correction of error implementing CR 23.078-194r3	approved	A	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010447	23.078	312	2	3.9.0	R99	Possible information in Initial DP	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010447	23.078	313	1	4.1.0	Rel-4	Possible information in Initial DP	approved	A	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010447	23.078	317	1	3.9.0	R99	Correction of CUG information handling	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010447	23.078	318	1	4.1.0	Rel-4	Correction of CUG information handling	approved	A	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010459	23.082	012		4.1.0	Rel-4	Clarifications on long forwarded-to numbers	approved	F	4.2.0	Call Forwarding (CF) Supplementary Services; Stage 2	N4
NP-010510	23.153	025		4.2.0	Rel-4	Default Codec Types For "UMTS only" and "UMTS & GSM dual system" UEs	revised	F		Out of Band Transcoder Control; Stage 2	N4
NP-010532	23.153	025	2	4.2.0	Rel-4	Default Codec Types For "UMTS only" and "UMTS & GSM dual system" UEs	approved	F	4.3.0	Out of Band Transcoder Control; Stage 2	N4
NP-010457	23.153	026		4.2.0	Rel-4	Optional FRCI value Correction	approved	F	4.3.0	Out of Band Transcoder Control; Stage 2	N4
NP-010532	23.153	027	1	4.2.0	Rel-4	Default Codec Types For “UMTS only” and “UMTS & GSM dual system” Ues	approved	F	4.3.0	Out of Band Transcoder Control; Stage 2	N4
NP-010452	23.205	008	1	4.1.0	Rel-4	Slight Misalignment of Continuity Message Handling	approved	F	4.2.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010452	23.205	009		4.1.0	Rel-4	Updates to Chapter 9.1	approved	F	4.2.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010493	24.008	442	1	3.8.0	R99	Old RAI handling	approved	F	3.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010493	24.008	443	1	4.3.0	Rel-4	Old RAI handling	approved	A	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-010493	24.008	444	1	5.0.0	Rel-5	Old RAI handling	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010499	24.008	452	1	5.0.0	Rel-5	Modification of session management between MS and network	approved	F	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010497	24.008	454	2	4.3.0	Rel-4	Introduction of default codec UMTS_AMR_2	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010533	24.008	454	3	4.3.0	Rel-4	Introduction of default codec UMTS_AMR_2	approved	F	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010493	24.008	455		3.8.0	R99	Correction of Protocol configuration options	approved	F	3.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010493	24.008	456		4.3.0	Rel-4	Correction of Protocol configuration options	approved	A	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010493	24.008	457		5.0.0	Rel-5	Correction of Protocol configuration options	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010490	24.008	463		3.8.0	R99	Clarification of 8-PSK power class coding	approved	F	3.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010490	24.008	464		4.3.0	Rel-4	Clarification of 8-PSK power class coding	approved	A	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010490	24.008	465		5.0.0	Rel-5	Clarification of 8-PSK power class coding	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010498	24.008	467	2	4.3.0	Rel-4	Definition of new DTM multislot classes	approved	C	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010498	24.008	468	2	5.0.0	Rel-5	Definition of new DTM multislot classes	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010496	24.008	472		3.8.0	R99	Remove references to specific sections of 25.331	approved	F	3.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010496	24.008	473		4.3.0	Rel-4	Remove references to specific sections of 25.331	approved	A	4.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010496	24.008	474		5.0.0	Rel-5	Remove references to specific sections of 25.331	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010497	24.008	475	1	5.0.0	Rel-5	Introduction of default codec UMTS_AMR_2	revised	A		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-010533	24.008	475	2	5.0.0	Rel-5	Introduction of default codec UMTS_AMR_2	approved	A	5.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010455	24.010	003		4.0.0	Rel-4	Clarification on the signalling connection for PS domain	approved	F	4.1.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010438	27.001	061		3.9.0	R99	Removal of erroneous IR value	approved	F	3.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010438	27.001	062	1	4.4.0	Rel-4	Removal of erroneous IR value	approved	A	4.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010438	27.001	063	1	4.4.0	Rel-4	Removal of erroneous information in B.1.3.1.6	approved	F	4.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010438	27.001	065	1	3.9.0	R99	Negotiation of Rate adaptation/Other rate adaptation	approved	F	3.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010438	27.001	066	1	4.4.0	Rel-4	Negotiation of Rate adaptation/Other rate adaptation	approved	A	4.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010438	27.001	067		3.9.0	R99	Removal of erroneous information in B.1.3.1.6	approved	F	3.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010459	29.002	277	1	4.4.1	Rel-4	Correction on the SDL of NW initiated USSD operations	approved	A	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010459	29.002	290		4.4.1	Rel-4	Clarifications on long forwarded-to numbers	approved	F	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010455	29.002	291	1	4.4.1	Rel-4	Corrections for Deferred MT-LR	approved	F	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010455	29.002	292	2	4.4.1	Rel-4	Clarifications on SupportedLCS-CapabilitySets	approved	F	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010455	29.002	295	2	4.4.1	Rel-4	Corrections on the introduction of LCS for PS domain	approved	F	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010456	29.002	302	2	4.4.1	Rel-4	Additional SGSN related values to Access Type	approved	F	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010476	29.002	303	3	3.9.0	R99	Minimum MAP application context for intersystem handover to 3G_MSC	approved	F	3.10.0	Mobile Application Part (MAP) specification	N4
NP-010451	29.002	305		3.9.0	R99	Addition of data type definitions to EXPORT statements for the usage in CAP	approved	F	3.10.0	Mobile Application Part (MAP) specification	N4
NP-010451	29.002	306		4.4.1	Rel-4	Addition of data type definitions to EXPORT statements for the usage in CAP	approved	A	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010476	29.002	307	2	4.4.1	Rel-4	Minimum MAP application context for intersystem handover to 3G_MSC	approved	A	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010476	29.002	308	2	3.9.0	R99	Minimum MAP application context for intersystem handover to 3G_MSC	approved	F	3.10.0	Mobile Application Part (MAP) specification	N4
NP-010476	29.002	309	2	4.4.1	Rel-4	Minimum MAP application context for intersystem handover to 3G_MSC	approved	A	4.5.0	Mobile Application Part (MAP) specification	N4
NP-010491	29.018	013		3.6.0	R99	Clarify that no acknowledgement is made for TMSI deallocation	approved	F	3.7.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1

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NP-010491	29.018	014		4.0.0	Rel-4	Clarify that no acknowledgement is made for TMSI deallocation	approved	A	4.1.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010491	29.018	015		3.6.0	R99	Explicit IMSI detach, abnormal case SGSN side	approved	F	3.7.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010491	29.018	016		4.0.0	Rel-4	Explicit IMSI detach, abnormal case SGSN side	approved	A	4.1.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010494	29.018	017		3.6.0	R99	Correction of the length of the Service Area Identifcation	approved	F	3.7.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010494	29.018	018		4.0.0	Rel-4	Correction of the length of the Service Area Identifcation	approved	A	4.1.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010459	29.060	230	1	4.1.0	Rel-4	Introduction of the Suspend-resume functionality in Rel-4 GTP specification	approved	F	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	232	2	3.9.0	R99	Clarification on the use of the teardown indicator IE	approved	F	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010453	29.060	235		3.9.0	R99	Clarification of the term TLLI in SGSN Context Request message	approved	F	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010453	29.060	236		4.1.0	Rel-4	Clarification of the term TLLI in SGSN Context Request message	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	237	1	3.9.0	R99	Rewording usage of P-TIMSI and TLLI in ”SGSN context	approved	A	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	238	1	4.1.0	Rel-4	Rewording usage of P-TIMSI and TLLI in ”SGSN context	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	239		3.9.0	R99	Alignment with 23.060 on the use of SGSN Context Acknowlege message	approved	F	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	240		4.1.0	Rel-4	Alignment with 23.060 on the use of SGSN Context Acknowlege message	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	244	1	3.9.0	R99	Charging Characteristics Inclusion in Create PDP Context Message	approved	F	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-010454	29.060	245	1	4.1.0	Rel-4	Charging Characteristics Inclusion in Create PDP Context Message	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	246		3.9.0	R99	Clarification to the usage of the TEID-C	approved	F	3.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	247		4.1.0	Rel-4	Clarification to the usage of the TEID-C	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010454	29.060	248	1	4.1.0	Rel-4	Clarification on the use of the teardown indicator IE	approved	A	4.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010440	29.061	021	4	4.1.0	Rel-4	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	revised	A		Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010530	29.061	021	5	4.1.0	Rel-4	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	approved	A	4.2.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010440	29.061	022	1	3.6.0	R99	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	revised	A		Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010530	29.061	022	2	3.6.0	R99	Standard method for information delivery (MSISDN; IP address…) between GPRS and external PDN using RADIUS	approved	A	3.7.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010448	29.078	192	1	3.8.0	R99	Corrections to ASN.1 syntax	approved	F	3.9.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010448	29.078	197		4.1.0	Rel-4	Corrections to ASN.1 syntax	approved	A	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010448	29.078	198	1	3.8.0	R99	Using gsmSCF address from GPRS-CSI for re-establishing TC dialogues	approved	F	3.9.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010448	29.078	199		4.1.0	Rel-4	Using gsmSCF address from GPRS-CSI for re-establishing TC dialogues	approved	A	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010511	29.078	200	1	3.8.0	R99	Phased introduction of SMS reference number	postponed	F		Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2

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NP-010511	29.078	201		4.1.0	Rel-4	Phased introduction of SMS reference number	postponed	A		Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010464	29.198-01	002		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-010465	29.198-02	003		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010465	29.198-02	004		4.1.0	Rel-4	Clarification of common exceptions	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010465	29.198-02	005		4.1.0	Rel-4	Invalid parameter value exception for SLA violation	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010465	29.198-02	006		4.1.0	Rel-4	Storing eventCriteria	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010466	29.198-03	002		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	003		4.1.0	Rel-4	Update to the definitions of method svcUnavailableInd	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	004		4.1.0	Rel-4	Only one subject per method invocation for fault and load management	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	005		4.1.0	Rel-4	Fault management is missing some *Err methods	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	006		4.1.0	Rel-4	Method balance on Fault management interfaces	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	007		4.1.0	Rel-4	Change "TpString" into "TpOctetSets" in authentication and access	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	008		4.1.0	Rel-4	Replacement of register/unregisterLoadController	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	009		4.1.0	Rel-4	Redundant Framework Heartbeat Mechanism	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	010		4.1.0	Rel-4	Add a releaseInterface() method to IpAccess	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5

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NP-010466	29.198-03	011		4.1.0	Rel-4	Removal of serviceID from queryAppLoadReq()	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	012		4.1.0	Rel-4	Addition of listInterfaces() method	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	013		4.1.0	Rel-4	Introduction and use of new Service Instance ID	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	014		4.1.0	Rel-4	P_UNAUTHORISED_PARAMETER_VALUE thrown if non-accessible serviceID is provided	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	015		4.1.0	Rel-4	Introduction of Service Instance Lifecycle Management	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	016		4.1.0	Rel-4	Add support for multi-vendorship	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	017		4.1.0	Rel-4	Removal of P_SERVICE_ACCESS_TYPE	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	018		4.1.0	Rel-4	Confusing meaning of prescribedMethod	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	019		4.1.0	Rel-4	A client should only have one instance of a given service	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010466	29.198-03	020		4.1.0	Rel-4	Some methods on the IpApp interfaces should throw exceptions	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010467	29.198-04	001		4.0.0	Rel-4	Changing references to JAIN	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	002		4.0.0	Rel-4	Correction of text descriptions for methods enableCallNotification and createNotification	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	003		4.0.0	Rel-4	Specify the behaviour when a call leg times out	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	004		4.0.0	Rel-4	Removal of Faulty state in MPCCS Call State Transition Diagram and method callFaultDetected in MPCCS in OSA R4	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	005		4.0.0	Rel-4	Missing TpCallAppInfoSet description in OSA R4	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	006		4.0.0	Rel-4	Redirecting a call leg vs. creating a call leg clarification in OSA R4	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5

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NP-010467	29.198-04	007		4.0.0	Rel-4	Introduction of MPCC Originating and Terminating Call Leg STDs for IpCallLeg	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	008		4.0.0	Rel-4	Corrections to SetChargePlan() Addition of PartyToCharge parmeter	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	009		4.0.0	Rel-4	Corrections to SetChargePlan()	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	010		4.0.0	Rel-4	Remove distinction between final- and intermediate-report	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	011		4.0.0	Rel-4	Inclusion of TpMediaType	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	012		4.0.0	Rel-4	Corrections to GCC STD	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	013		4.0.0	Rel-4	Introduction of sequence diagrams for MPCC services	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	014		4.0.0	Rel-4	The use of the REDIRECT event needs to be illustrated	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	015		4.0.0	Rel-4	Corrections to SetCallChargePlan()	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	016		4.0.0	Rel-4	Add one additional error indication	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	017		4.0.0	Rel-4	Corrections to Call Control – GCCS Exception handling	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010467	29.198-04	018		4.0.0	Rel-4	Corrections to Call Control – Errors in Exceptions	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010468	29.198-05	002		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010520	29.198-06	002		4.1.1	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010469	29.198-06	002		4.1.1	Rel-4	Changing references to JAIN	reissued	F		Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010469	29.198-06	003		4.1.1	Rel-4	Introduction of missing mobility exceptions	reissued	F		Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5

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NP-010520	29.198-06	003		4.1.1	Rel-4	Introduction of missing mobility exceptions	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010470	29.198-07	002		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-010471	29.198-08	002		4.1.0	Rel-4	Changing references to JAIN	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-010472	29.198-11	001		4.0.0	Rel-4	Changing references to JAIN	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-010472	29.198-11	002		4.0.0	Rel-4	Missing exceptions for enabling and changing the notifications	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-010473	29.198-12	001		4.0.0	Rel-4	Changing references to JAIN	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	002		4.0.0	Rel-4	Error corrections charging	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	003		4.0.0	Rel-4	Changed semantics of closeReservation parameter	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	004		4.0.0	Rel-4	Missing errors in definition of (credit/debit)(Amoun/Unit)Err	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	005		4.0.0	Rel-4	Clarification of Unit Reservation	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	006		4.0.0	Rel-4	Improving correlation request and response for applications	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	007		4.0.0	Rel-4	Remove the P_CHS_PARAM_RESULT value from the TpChargingParameterID type	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010473	29.198-12	008		4.0.0	Rel-4	Align the order of parameters for similar methods	approved	F	4.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010452	29.202	001		4.0.1	Rel-4	Change of M 3UA version	approved	F	4.1.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-010452	29.205	002		4.1.0	Rel-4	CR on 29205 Mc signalling transport in IP environment	approved	F	4.2.0	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	N4
NP-010452	29.205	003	1	4.1.0	Rel-4	CR on 29205 BICC signalling transport in IP environment	approved	F	4.2.0	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	N4

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NP-010452	29.205	004		4.1.0	Rel-4	Status of ITU recommendation Q.2150.3	approved	F	4.2.0	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	N4
NP-010452	29.232	009		4.1.0	Rel-4	Addition of package numbers allocated by IANA	approved	F	4.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010452	29.232	010	1	4.1.0	Rel-4	CR on 29232 Mc signalling transport in IP environment	approved	F	4.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010439	29.414	003	2	4.1.0	Rel-4	Addition of media type "data"	approved	C	4.2.0	Core network Nb data transport and transport signalling	N3
NP-010439	29.415	001	1	4.0.0	Rel-4	Clarification on FQC handling and alignment with TS 25.415	approved	F	4.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N3
NP-010474	29.998-4-1	002		4.1.0	Rel-4	Updates and corrections to data mapping to CAP	approved	F	4.2.0		N5
NP-010492	44.065	001		4.0.0	Rel-4	Conditions for header compression	approved	A	4.1.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
RP-010614	25.101	118		3.7.0	R99	Compressed mode, correction of reference pattern 1, Set1	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	119		4.1.0	Rel-4	Compressed mode, correction of reference pattern 1, Set1	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	120		3.7.0	R99	DL Power Control Step Size in performance requirements	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	121		4.1.0	Rel-4	DL Power Control Step Size in performance requirements	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	122		3.7.0	R99	Correction for test numbers in fading propagation tests	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	123		4.1.0	Rel-4	Correction for test numbers in fading propagation tests	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	124		3.7.0	R99	Correction of frequency range for receiver spurious emission requirements	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	125		4.1.0	Rel-4	Correction of frequency range for receiver spurious emission requirements	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	126		3.7.0	R99	UE Maximum Output Power	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	127		4.1.0	Rel-4	UE Maximum Output Power	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	128		3.7.0	R99	Clarification of definition of Df	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	129		4.1.0	Rel-4	Clarification of definition of Df	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	130		3.7.0	R99	CR to TS25.101 for clarification of modulated interferer	approved	F	3.8.0	UE Radio transmission and reception (FDD)	R4
RP-010614	25.101	131		4.1.0	Rel-4	CR to TS25.101 for clarification of modulated interferer	approved	A	4.2.0	UE Radio transmission and reception (FDD)	R4
RP-010636	25.101	132		4.1.0	Rel-5	CPCH Performance	approved	B	5.0.0	UE Radio transmission and reception (FDD)	R4

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RP-010615	25.102	067		3.7.0	R99	Power and ACLR definition corrections	approved	F	3.8.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	068		4.1.0	Rel-4	Power and ACLR definition corrections.	approved	A	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	069		3.7.0	R99	Out of synchronisation handling	approved	F	3.8.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	070		4.1.0	Rel-4	Out-of-synchronisation handling.	approved	A	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	071		3.7.0	R99	Correction of frequency range for receiver spurious emissions	approved	F	3.8.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	072		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions	approved	A	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	073		3.7.0	R99	Clarification in Spectrum emission mask section	approved	F	3.8.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010615	25.102	074		4.1.0	Rel-4	Clarification in Spectrum emission mask section	approved	A	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	075		4.1.0	Rel-4	Out of synchronisation handling for 1.28 Mcps TDD option	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	076		4.1.0	Rel-4	Power control downlink - constant BLER target (1.28 Mcps TDD option)	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	077		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions (1.28 Mcps TDD option)	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	078		4.1.0	Rel-4	Clarification in Spectrum emission mask section for 1.28 Mcps TDD option	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	079		4.1.0	Rel-4	UE Performance Requirements (1.28Mcps TDD)	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010625	25.102	080		4.1.0	Rel-4	Power definition corrections for 1.28 Mcps TDD option.	approved	F	4.2.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010616	25.104	076		3.7.0	R99	Correction to PCDE requirement.	approved	F	3.8.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	077		4.1.0	Rel-4	Correction to PCDE requirement.	approved	A	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	078		3.7.0	R99	Correction of frequency range for receiver spurious emission requirements	approved	F	3.8.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	079		4.1.0	Rel-4	Correction of frequency range for receiver spurious emission requirements	approved	A	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	080		3.7.0	R99	Clarification in Spectrum emission mask section	approved	F	3.8.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	081		4.1.0	Rel-4	Clarification in Spectrum emission mask section	approved	A	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	082		3.7.0	R99	Blocking requirement for co-location of FDD and TDD base stations	approved	F	3.8.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	083		4.1.0	Rel-4	Blocking requirement for co-location of FDD and TDD base stations	approved	A	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	084		3.7.0	R99	Definition of "classical Doppler spectrum"	approved	F	3.8.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010616	25.104	085		4.1.0	Rel-4	Definition of "classical Doppler spectrum"	approved	A	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4

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RP-010626	25.104	086		4.1.0	Rel-4	RACH measurement channel definition	approved	F	4.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010636	25.104	087		4.1.0	Rel-5	CPCH Performance	approved	B	5.0.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010617	25.105	066		3.7.0	R99	BS Performance Requirements (3.84Mcps TDD)	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	067		4.1.0	Rel-4	BS Performance Requirements (3.84Mcps TDD)	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	068		3.7.0	R99	Receiver spurious emissions for co-located base stations	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	069		4.1.0	Rel-4	Receiver spurious emissions for co-located base stations	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	070		3.7.0	R99	Power and ACLR definition corrections	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	071		4.1.0	Rel-4	Power and ACLR definition corrections.	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	072		3.7.0	R99	Clarification in Spectrum emission mask section	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	073		4.1.0	Rel-4	Clarification in Spectrum emission mask section	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	074		3.7.0	R99	PC dynamic range and minimum TP requirements correction.	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	075		4.1.0	Rel-4	PC dynamic range and minimum TP requirements correction.	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	076		3.7.0	R99	Correction of frequency range for receiver spurious emissions	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	077		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	078		3.7.0	R99	Definition of "classical Doppler spectrum"	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	079		4.1.0	Rel-4	Definition of "classical Doppler spectrum"	approved	A	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010617	25.105	080		3.7.0	R99	BS Performance Requirements for 12.2 kbps, 64 kbps, 144 kbps and 384 kbps, Case 1, addition of Figure Note for Table 8.4	approved	F	3.8.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010627	25.105	081		4.1.0	Rel-4	BS Performance Requirements (1.28Mcps TDD)	approved	F	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010627	25.105	082		4.1.0	Rel-4	Power definition correction for 1.28 Mcps TDD option.	approved	F	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010627	25.105	083		4.1.0	Rel-4	Receiver spurious emissions for co-located base stations for 1.28 Mcps TDD option	approved	F	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010627	25.105	084		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions (1.28 Mcps TDD option)	approved	F	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010627	25.105	085		4.1.0	Rel-4	Clarification in Spectrum emission mask section (1.28 Mcps section)	approved	F	4.2.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010628	25.106	001		4.0.0	Rel-4	Editorial changes	approved	F	4.1.0	UTRA Repeater; Radio transmission and reception	R4

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RP-010628	25.106	002		4.0.0	Rel-4	Clarification in spectrum emission mask	approved	F	4.1.0	UTRA Repeater; Radio transmission and reception	R4
RP-010629	25.113	13		4.1.0	Rel-4	Add Arrangements for testing Repeater	approved	F	4.2.0	Base station and repeater ElectroMagnetic Compatibility (EMC)	R4
RP-010618	25.123	088		3.6.0	R99	Section 4 corrections and clarifications in the test cases	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	089		4.1.0	Rel-4	Section 4 corrections and clarifications in the test cases	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	090		3.6.0	R99	General section 5 corrections	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	091		4.1.0	Rel-4	General section 5 corrections	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	092		3.6.0	R99	Introduction of intra- and inter-frequency test cases for Cell-PCH and URA-PCH	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	093		4.1.0	Rel-4	Introduction of intra- and inter-frequency test cases for Cell-PCH and URA-PCH	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	094		3.6.0	R99	Transport Channel BER accuracy requirement	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	095		4.1.0	Rel-4	Transport Channel BER accuracy requirement	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	096		3.6.0	R99	Success Rates in Test Cases	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	097		4.1.0	Rel-4	Success Rates in Test Cases	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	098		3.6.0	R99	Introduction of RRC Connection re-establishment requirements	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	099		4.1.0	Rel-4	Introduction of RRC Connection re-establishment requirements	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	100		3.6.0	R99	Introduction of RRC Connection re-establishment test cases	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	101		4.1.0	Rel-4	Introduction of RRC Connection re-establishment test cases	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	102		3.6.0	R99	Correction of UE CPICH RSCP reporting range	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	103		4.1.0	Rel-4	Correction of UE CPICH RSCP reporting range	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	104		3.6.0	R99	Clarification to requirement classification for statistical testing	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	105		4.1.0	Rel-4	Clarification to requirement classification for statistical testing	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	106		3.6.0	R99	Corrections to sections on inter-frequency measurements in Idle Mode and UE measurement capabilities in Cell-DCH and Cell-FACH for UTRA TDD	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010618	25.123	107		4.1.0	Rel-4	Corrections to sections on inter-frequency measurements in Idle Mode and UE measurement capabilities in Cell-DCH and Cell-FACH for UTRA TDD	approved	A	4.2.0	Requirements for support of radio resource management (TDD)	R4

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RP-010618	25.123	108		3.6.0	R99	Correction to event 1G triggered measurement reporting delay requirement for UTRA TDD intra-frequency measurement test in A.8.1.1	approved	F	3.7.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	109		4.1.0	Rel-4	Measurements in CELL_DCH State for 1.28 Mcps option	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	110		4.1.0	Rel-4	Measurements in CELL_FACH State for 1.28 Mcps option	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	111		4.1.0	Rel-4	Section 4 corrections and clarifications in the test cases	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	112		4.1.0	Rel-4	General section 5 corrections	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	113		4.1.0	Rel-4	Introduction of Cell re-selection requirements in Cell-Fach state for 1.28Mcps TDD option	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	114		4.1.0	Rel-4	Success Rates in Test Cases	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	115		4.1.0	Rel-4	UTRAN SFN-SFN otd corrections	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	116		4.1.0	Rel-4	UTRAN Rx Timing Deviation for LCR	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	117		4.1.0	Rel-4	Introduction of RRC connection re-establishment requirements for 1.28Mcps TDD option	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	118		4.1.0	Rel-4	Introduction of RRC Connection re-establishment test cases for 1.28Mcps TDD option	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	119		4.1.0	Rel-4	Cell re-selection tests case in Cell-FACH state	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	120		4.1.0	Rel-4	TFC selection at the UE maximum power	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	121		4.1.0	Rel-4	TDD/TDD handover test cases	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010630	25.123	122		4.1.0	Rel-4	Clarification to requirement classification for statistical testing	approved	F	4.2.0	Requirements for support of radio resource management (TDD)	R4
RP-010619	25.133	126		3.6.0	R99	Clarifications on TDD measurements and related accuracy requirements	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	127		4.1.0	Rel-4	Clarifications on TDD measurements and related accuracy requirements	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	128		3.6.0	R99	Handover delay correction	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	129		4.1.0	Rel-4	Handover delay correction	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	130		3.6.0	R99	Corrections to intra-frequency test case A.8.1.1	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	131		4.1.0	Rel-4	Corrections to intra-frequency test case A.8.1.1	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	132		3.6.0	R99	Cell Re-selection - requirement for Camped on Any Cell state	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	133		4.1.0	Rel-4	Cell Re-selection - requirement for Camped on Any Cell state	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4

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RP-010619	25.133	134		3.6.0	R99	FDD/FDD Hard Handover Testcase	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	135		4.1.0	Rel-4	FDD/FDD Hard Handover Testcase	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	136		3.6.0	R99	Success rates in test cases	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	137		4.1.0	Rel-4	Success rates in test cases	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	138		3.6.0	R99	FDD/GSM Handover test case	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	139		4.1.0	Rel-4	FDD/GSM Handover test case	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	142		3.6.0	R99	TFC selection in the UE	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	143		4.1.0	Rel-4	TFC selection in the UE	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	144		3.6.0	R99	Periodic and event triggered reporting of GSM cells in CELL_DCH	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010619	25.133	145		4.1.0	Rel-4	Periodic and event triggered reporting of GSM cells in CELL_DCH	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	146		3.6.0	R99	Test conditions for GSM Carrier RSSI	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	147		4.1.0	Rel-4	Test conditions for GSM Carrier RSSI	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	148		3.6.0	R99	Transport Channel BER accuracy requirement	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	149		4.1.0	Rel-4	Transport Channel BER accuracy requirement	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	150		3.6.0	R99	Clarification to Requirement classification for statistical testing	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	151		4.1.0	Rel-4	Clarification to Requirement classification for statistical testing	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	152		3.6.0	R99	Correction to FDD/TDD cell re-selection test case	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	153		4.1.0	Rel-4	Correction to FDD/TDD cell re-selection test case	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	154		3.6.0	R99	Editorial corrections to UTRAN measurements in section 9.2	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	155		4.1.0	Rel-4	Editorial corrections to UTRAN measurements in section 9.2	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	156		3.6.0	R99	RACH reporting	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	157		4.1.0	Rel-4	RACH reporting	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	158		3.6.0	R99	Correction for Test Case A.8.1.3	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	159		4.1.0	Rel-4	Correction for Test Case A.8.1.3	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4

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RP-010620	25.133	160		3.6.0	R99	UTRAN to GSM cell re-selection test cases	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	161		4.1.0	Rel-4	UTRAN to GSM cell re-selection test cases	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	162		3.6.0	R99	Requirement for the monitor list	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	163		4.1.0	Rel-4	Requirement for the monitor list	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	164		3.6.0	R99	Correction for event triggered report	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010620	25.133	165		4.1.0	Rel-4	Correction for event triggered report	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	166		3.6.0	R99	Cell Re-selection in CELL_FACH test case	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	167		4.1.0	Rel-4	Cell Re-selection in CELL_FACH test case	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	168		3.6.0	R99	Correction for RRC re-establishment delay	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	169		4.1.0	Rel-4	Correction for RRC re-establishment delay	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	170		3.6.0	R99	Correction for section 5	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	171		4.1.0	Rel-4	Correction for section 5	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	172		3.6.0	R99	Section 4	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	173		4.1.0	Rel-4	Section 4	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	174		3.6.0	R99	Section 8	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	175		4.1.0	Rel-4	Section 8	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	176		3.6.0	R99	Cell reselection test cases in CELL_FACH state	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	177		4.1.0	Rel-4	Cell reselection test cases in CELL_FACH state	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	178		3.6.0	R99	Correction for FDD to TDD HO requirement	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	179		4.1.0	Rel-4	Correction for FDD to TDD HO requirement	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	180		3.6.0	R99	Correction of UE positioning measurements	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010631	25.133	181		4.1.0	Rel-4	UTRAN SFN-SFN observed time difference	approved	B	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010631	25.133	182		4.1.0	Rel-4	Correction of UE positioning measuremets	approved	F	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010631	25.133	183		4.1.0	Rel-4	RACH Propagation delay accuracy	approved	F	4.2.0	Requirements for support of radio resource management (FDD)	R4

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RP-010636	25.133	184		4.1.0	Rel-5	CPCH Performance	approved	B	5.0.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	185		3.6.0	R99	TFC state change description	approved	F	3.7.0	Requirements for support of radio resource management (FDD)	R4
RP-010621	25.133	186		4.1.0	Rel-4	TFC state change description	approved	A	4.2.0	Requirements for support of radio resource management (FDD)	R4
RP-010622	25.141	097		3.6.0	R99	Corrections to performance requirements.	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	098		4.1.0	Rel-4	Corrections to performance requirements.	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	099		3.6.0	R99	Correction to PCDE test	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	100		4.1.0	Rel-4	Correction to PCDE test	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	101		3.6.0	R99	CR to 25.141 Measurement uncertainty issues	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	102		4.1.0	Rel-4	CR to 25.141 Measurement uncertainty issues	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	103		3.6.0	R99	Clarification of EVM and PCDE tests	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	104		4.1.0	Rel-4	Clarification of EVM and PCDE tests	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	105		3.6.0	R99	Correction of frequency range for receiver spurious emission requirements	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	106		4.1.0	Rel-4	Correction of frequency range for receiver spurious emission requirements	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	107		3.6.0	R99	BS configuration for multi-carrier test cases	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	108		4.1.0	Rel-4	BS configuration for multi-carrier test cases	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	109		3.6.0	R99	Definition of "classical Doppler spectrum"	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	110		4.1.0	Rel-4	Definition of "classical Doppler spectrum"	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	111		3.6.0	R99	S-CCPCH timing offset change to test models	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	112		4.1.0	Rel-4	S-CCPCH timing offset change to test models	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	113		3.6.0	R99	Correction of spectrum emission mask requirement	approved	F	3.7.0	Base station conformance testing (FDD)	R4
RP-010622	25.141	114		4.1.0	Rel-4	Correction of spectrum emission mask requirement	approved	A	4.2.0	Base station conformance testing (FDD)	R4
RP-010632	25.141	115		4.1.0	Rel-4	RACH message and preamble testcases for static and multipath fading case 3	approved	F	4.2.0	Base station conformance testing (FDD)	R4
RP-010636	25.141	116		4.1.0	Rel-5	CPCH Performance	approved	B	5.0.0	Base station conformance testing (FDD)	R4
RP-010623	25.142	065		3.6.0	R99	Clarification of AWGN interferer definition	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	066		4.1.0	Rel-4	Clarification of AWGN interferer definition	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	067		3.6.0	R99	Measurement uncertainty	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	068		4.1.0	Rel-4	Measurement uncertainty	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	069		3.6.0	R99	Receiver spurious emissions for co-located base stations	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	070		4.1.0	Rel-4	Receiver spurious emissions for co-located base stations	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	071		3.6.0	R99	CR to TS 25.142 Measurement uncertainty issues	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	072		4.1.0	Rel-4	CR to TS 25.142 Measurement uncertainty issues	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	073		3.6.0	R99	Power and ACLR definition corrections	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	074		4.1.0	Rel-4	Power and ACLR definition corrections	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	075		3.6.0	R99	Minimum transmit power test condition alignment with PC dynamic range test conditions.	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	076		4.1.0	Rel-4	Minimum transmit power test condition alignment with PC dynamic range test conditions.	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	077		3.6.0	R99	Correction of frequency range for receiver spurious emissions	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	078		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions	approved	A	4.2.0	Base station conformance testing (TDD)	R4

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RP-010623	25.142	079		3.6.0	R99	Definition of "classical Doppler spectrum"	approved	F	3.7.0	Base station conformance testing (TDD)	R4
RP-010623	25.142	080		4.1.0	Rel-4	Definition of "classical Doppler spectrum"	approved	A	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	081		4.1.0	Rel-4	Differential accuracy of P-CCPCH power	approved	B	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	082		4.1.0	Rel-4	Receiver spurious emissions for co-located base stations 1.28 Mcps TDD option	approved	F	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	083		4.1.0	Rel-4	Correction of Test Requirements for Dynamic Range (1,28 Mcps TDD option)	approved	F	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	084		4.1.0	Rel-4	Inclusion of test conditions for the 1,28 Mcps TDD option	approved	F	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	085		4.1.0	Rel-4	Power and ACLR definition corrections for 1.28 Mcps TDD option	approved	F	4.2.0	Base station conformance testing (TDD)	R4
RP-010633	25.142	086		4.1.0	Rel-4	Correction of frequency range for receiver spurious emissions (1,28 Mcps TDD option)	approved	F	4.2.0	Base station conformance testing (TDD)	R4
RP-010634	25.143	002		4.1.0	Rel-4	Correct Uncertainties, Precise wording, Editorial changes	approved	F	4.2.0	UTRA Repeater; Conformance testing	R4
RP-010634	25.143	003		4.1.0	Rel-4	Editorial changes: spelling, lost pictures	approved	F	4.2.0	UTRA Repeater; Conformance testing	R4
RP-010634	25.143	004		4.1.0	Rel-4	Clarification in spectrum emission mask	approved	F	4.2.0	UTRA Repeater; Conformance testing	R4
RP-010518	25.211	110	2	3.7.0	R99	Correction to DPCH/PDSCH timing	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	111	2	4.1.0	Rel-4	Correction to DPCH/PDSCH timing	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	112	2	3.7.0	R99	Clarification of the usage of Tx diversity modes in Soft HOV	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	113	1	3.7.0	R99	Removal of another reference to FACH beamforming	revised	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010709	25.211	113	2	3.7.0	R99	Removal of another reference to FACH beamforming	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	114	1	4.1.0	Rel-4	Removal of another reference to FACH beamforming	revised	A		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010709	25.211	114	2	4.1.0	Rel-4	Removal of another reference to FACH beamforming	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	117	1	3.7.0	R99	Clarification of STTD	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	118	1	4.1.0	Rel-4	Clarification of STTD	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010518	25.211	121	1	4.1.0	Rel-4	Clarification of the usage of Tx diversity modes in Soft HOV	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010519	25.212	114		3.6.0	R99	Correction of PDSCH spreading factor signalling	approved	F	3.7.0	Multiplexing and channel coding (FDD)	R1
RP-010519	25.212	115		4.1.0	Rel-4	Correction of PDSCH spreading factor signalling	approved	A	4.2.0	Multiplexing and channel coding (FDD)	R1

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RP-010520	25.214	191		3.7.0	R99	Corrections and Clarifications for calculation of idle period position in subclause 8.3 in 25.214	approved	F	3.8.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	192		4.1.0	Rel-4	Corrections and Clarifications for calculation of idle period position in subclause 8.3 in 25.214	approved	A	4.2.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	193	1	3.7.0	R99	Minor modifications to the CPCH access procedure	approved	F	3.8.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	194	1	4.1.0	Rel-4	Minor modifications to the CPCH access procedure	approved	A	4.2.0	Physical layer procedures (FDD)	R1
RP-010527	25.214	195	1	4.1.0	Rel-4	Enhanced PDSCH power control clarification	approved	F	4.2.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	196		3.7.0	R99	Downlink power control in compressed mode	approved	F	3.8.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	197		4.1.0	Rel-4	Downlink power control in compressed mode	approved	A	4.2.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	198	1	3.7.0	R99	Improvements of closed loop TX diversity description	approved	F	3.8.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	199	1	4.1.0	Rel-4	Improvements of closed loop TX diversity description	approved	A	4.2.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	200	1	3.7.0	R99	Correction to Random access procedure (Primitive from MAC)	approved	F	3.8.0	Physical layer procedures (FDD)	R1
RP-010520	25.214	201	1	4.1.0	Rel-4	Correction to Random access procedure (Primitive from MAC)	approved	A	4.2.0	Physical layer procedures (FDD)	R1
RP-010677	25.214	204	1	3.7.0	R99	Proposed CR to TS25.214: Clarification of the SSDT behaviour with beam forming	revised	F		Physical layer procedures (FDD)	R1
RP-010710	25.214	204	2	3.7.0	R99	Proposed CR to TS25.214: Clarification of the SSDT behaviour with beam forming	withdrawn	F		Physical layer procedures (FDD)	R1
RP-010677	25.214	205	1	4.1.0	Rel-4	Proposed CR to TS25.214: Clarification of the SSDT behaviour with beam forming	revised	A		Physical layer procedures (FDD)	R1
RP-010710	25.214	205	2	4.1.0	Rel-4	Proposed CR to TS25.214: Clarification of the SSDT behaviour with beam forming	withdrawn	A		Physical layer procedures (FDD)	R1
RP-010521	25.215	095		3.7.0	R99	Removal of the BLER measurement of the BCH	approved	F	3.8.0	Physical layer; Measurements (FDD)	R1
RP-010521	25.215	096		4.1.0	Rel-4	Removal of the BLER measurement of the BCH	approved	A	4.2.0	Physical layer; Measurements (FDD)	R1
RP-010522	25.221	056		3.7.0	R99	TFCI Terminology	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010522	25.221	057		4.1.0	Rel-4	TFCI Terminology	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010528	25.221	058	1	4.1.0	Rel-4	Corrections for TS 25.221	approved	F	4.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010522	25.221	060		3.7.0	R99	Clarification of notations in TS25.221 and TS25.223	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010522	25.221	061		3.7.0	R99	Addition and correction of the reference	approved	F	3.8.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010522	25.221	062		4.1.0	Rel-4	Addition and correction of the reference	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010522	25.221	063		4.1.0	Rel-4	Clarification of notations in TS25.221 and TS25.223	approved	A	4.2.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010523	25.222	056		3.6.0	R99	TFCI Terminology	approved	F	3.7.0	Multiplexing and channel coding (TDD)	R1
RP-010523	25.222	057		4.0.0	Rel-4	TFCI Terminology	approved	A	4.1.0	Multiplexing and channel coding (TDD)	R1

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RP-010529	25.222	058		4.0.0	Rel-4	5ms TTI for PRACH for 1.28 Mcps TDD	approved	F	4.1.0	Multiplexing and channel coding (TDD)	R1
RP-010529	25.222	060		4.0.0	Rel-4	A correction on the meaning of FPACH in TS 25.222	approved	F	4.1.0	Multiplexing and channel coding (TDD)	R1
RP-010524	25.223	020	2	3.6.0	R99	Clarification of notations in TS25.221 and TS25.223	approved	F	3.7.0	Spreading and modulation (TDD)	R1
RP-010524	25.223	021	1	4.1.0	Rel-4	Clarification of notations in TS25.221 and TS25.223	approved	A	4.2.0	Spreading and modulation (TDD)	R1
RP-010530	25.223	022	1	4.1.0	Rel-4	Clarification of notations in TS25.221 and TS25.223	approved	F	4.2.0	Spreading and modulation (TDD)	R1
RP-010531	25.224	060		4.1.0	Rel-4	Corrections for TS 25.224	approved	F	4.2.0	Physical layer procedures (TDD)	R1
RP-010531	25.224	061		4.1.0	Rel-4	Corrections and Clarifications for calculation of idle period position in subclause 4.10.3 in 25.224	approved	F	4.2.0	Physical layer procedures (TDD)	R1
RP-010531	25.224	062	1	4.1.0	Rel-4	Corrections of Annex E in 25.224	approved	F	4.2.0	Physical layer procedures (TDD)	R1
RP-010525	25.224	063	1	3.7.0	R99	Correction of criteria for OOS indication	approved	F	3.8.0	Physical layer procedures (TDD)	R1
RP-010525	25.224	064	1	4.1.0	Rel-4	Correction of criteria for OOS indication	approved	A	4.2.0	Physical layer procedures (TDD)	R1
RP-010532	25.225	031		4.1.0	Rel-4	RxTiming Deviation for 1.28 Mcps TDD	revised	F		Physical layer; Measurements (TDD)	R1
RP-010707	25.225	031	1	4.1.0	Rel-4	RxTiming Deviation for 1.28 Mcps TDD	approved	F	4.2.0	Physical layer; Measurements (TDD)	R1
RP-010532	25.225	032		4.1.0	Rel-4	SFN-SFN type 1 for 1.28 Mcps TDD	approved	F	4.2.0	Physical layer; Measurements (TDD)	R1
RP-010526	25.225	033		3.7.0	R99	Clarification of the Beacon Measurement in TS25.225	approved	F	3.8.0	Physical layer; Measurements (TDD)	R1
RP-010526	25.225	034		4.1.0	Rel-4	Clarification of the Beacon Measurement in TS25.225	approved	A	4.2.0	Physical layer; Measurements (TDD)	R1
RP-010537	25.302	097	3	3.9.0	R99	Transmission of selected ASC to physical layer	approved	F	3.10.0	Services provided by the physical layer	R2
RP-010537	25.302	098		4.1.0	Rel-4	Transmission of selected ASC to physical layer	approved	A	4.2.0	Services provided by the physical layer	R2
RP-010537	25.302	107	1	3.9.0	R99	Corrected definition of the CCTrCH concerning BCH, RACH and CPCH	approved	F	3.10.0	Services provided by the physical layer	R2
RP-010537	25.302	108		4.1.0	Rel-4	Corrected definition of the CCTrCH concerning BCH, RACH and CPCH	approved	A	4.2.0	Services provided by the physical layer	R2
RP-010537	25.302	109	1	3.9.0	R99	Transport Format Set Annex Correction	approved	F	3.10.0	Services provided by the physical layer	R2
RP-010537	25.302	110		4.1.0	Rel-4	Transport Format Set Annex Correction	approved	A	4.2.0	Services provided by the physical layer	R2
RP-010537	25.302	111	1	3.9.0	R99	Corrections on un-supported features	approved	F	3.10.0	Services provided by the physical layer	R2
RP-010537	25.302	112		4.1.0	Rel-4	Corrections on un-supported features	approved	A	4.2.0	Services provided by the physical layer	R2
RP-010538	25.303	050		3.8.0	R99	SRNS relocation and header compression protocol	approved	F	3.9.0	Interlayer procedures in Connected Mode	R2
RP-010538	25.303	051		4.1.0	Rel-4	SRNS relocation and header compression protocol	approved	A	4.2.0	Interlayer procedures in Connected Mode	R2
RP-010538	25.303	052		3.8.0	R99	Correction of Active Set Update procedure	approved	F	3.9.0	Interlayer procedures in Connected Mode	R2
RP-010538	25.303	053		4.1.0	Rel-4	Correction of Active Set Update procedure	approved	A	4.2.0	Interlayer procedures in Connected Mode	R2
RP-010538	25.303	056	2	3.8.0	R99	Corrections to SRNS relocation	approved	F	3.9.0	Interlayer procedures in Connected Mode	R2
RP-010538	25.303	057		4.1.0	Rel-4	Corrections to SRNS relocation	approved	A	4.2.0	Interlayer procedures in Connected Mode	R2
RP-010539	25.304	079		3.7.0	R99	Clarification to usage of measurement thresholds for HCS	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	080		4.1.0	Rel-4	Clarification to usage of measurement thresholds for HCS	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	081		3.7.0	R99	Definition of strongest cell in cell search procedures	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	082		4.1.0	Rel-4	Definition of strongest cell in cell search procedures	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	083	1	3.7.0	R99	Miscellaneous corrections	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2

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RP-010539	25.304	084		4.1.0	Rel-4	Miscellaneous corrections	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	085		3.7.0	R99	Correction to cells reserved for operator use	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	086		4.1.0	Rel-4	Correction to cells reserved for operator use	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	087	1	3.7.0	R99	Service type also valid in connected mode	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	088		4.1.0	Rel-4	Service type also valid in connected mode	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	089		3.7.0	R99	Cell Access Restrictions for emergency calls	approved	F	3.8.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010539	25.304	090		4.1.0	Rel-4	Cell Access Restrictions for emergency calls	approved	A	4.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010556	25.305	060	1	5.1.0	Rel-5	Support for all Rel. 4 positioning methods in standalone SMLC	approved	B	5.2.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010540	25.306	016	1	3.2.0	R99	Maximum number of simultaneous transport channels	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	017		4.1.0	Rel-4	Maximum number of simultaneous transport channels	approved	A	4.2.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	018		3.2.0	R99	Clarification of FDD physical channel parameters	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	019		4.1.0	Rel-4	Clarification of FDD physical channel parameters	approved	A	4.2.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	020		3.2.0	R99	Support of dedicated pilots for channel estimation	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	021		4.1.0	Rel-4	Support of dedicated pilots for channel estimation	approved	A	4.2.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	022	1	3.2.0	R99	Correction of UE capabilities regarding Rx-Tx time difference type 2 measurements	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-010540	25.306	023		4.1.0	Rel-4	Correction of UE capabilities regarding Rx-Tx time difference type 2 measurements	approved	A	4.2.0	UE Radio Access capabilities definition	R2
RP-010558	25.307	001	1	3.0.0	Rel-4	Correction to create Release 4	approved	F	4.0.0	Requirements on UE supporting a release-independent frequency band	R2
RP-010541	25.321	084	1	3.8.0	R99	Setting of UE Id in MAC	approved	F	3.9.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	085		4.1.0	Rel-4	Setting of UE Id in MAC	approved	A	4.2.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	086		3.8.0	R99	MAC ASC selection operation when access class is used to determine ASC	approved	F	3.9.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	087		4.1.0	Rel-4	MAC ASC selection operation when access class is used to determine ASC	approved	A	4.2.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	088	1	3.8.0	R99	Addition of neighbour cell BCH to MAC-b model for the UE	approved	F	3.9.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	089		4.1.0	Rel-4	Addition of neighbour cell BCH to MAC-b model for the UE	approved	A	4.2.0	Medium Access Control (MAC) protocol specification	R2

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RP-010541	25.321	090	1	3.8.0	R99	Cautionary Note for Interfrequency Measurements in Cell-FACH	postponed	F		Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	091		4.1.0	Rel-4	Cautionary Note for Interfrequency Measurements in Cell-FACH	postponed	A		Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	092	2	3.8.0	R99	Clarification on TFC selection	approved	F	3.9.0	Medium Access Control (MAC) protocol specification	R2
RP-010541	25.321	093	1	4.1.0	Rel-4	Clarification on TFC selection	approved	A	4.2.0	Medium Access Control (MAC) protocol specification	R2
RP-010542	25.322	141	1	3.7.0	R99	General clarifications	approved	F	3.8.0	Radio Link Control (RLC) protocol specification	R2
RP-010542	25.322	142		4.1.0	Rel-4	General clarifications	approved	A	4.2.0	Radio Link Control (RLC) protocol specification	R2
RP-010542	25.322	149	1	3.7.0	R99	Correction to RLC state variables	approved	F	3.8.0	Radio Link Control (RLC) protocol specification	R2
RP-010542	25.322	150		4.1.0	Rel-4	Correction to RLC state variables	approved	A	4.2.0	Radio Link Control (RLC) protocol specification	R2
RP-010553	25.323	026		4.1.0	Rel-4	Selection of the RFC 3095 CID transmission	approved	F	4.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	027		3.5.0	R99	Header compression protocol reinitialisation during SRNS relocation	approved	F	3.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	028		4.1.0	Rel-4	Header compression protocol reinitialisation during SRNS relocation	approved	A	4.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	029	1	3.5.0	R99	PDCP SDU Sequence Numbering	approved	F	3.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	030		4.1.0	Rel-4	PDCP SDU Sequence Numbering	approved	A	4.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	035	1	3.5.0	R99	Corrections to PDCP	approved	F	3.6.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010543	25.323	036		4.1.0	Rel-4	Corrections to PDCP	approved	A	4.2.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010544	25.331	0869	3	3.7.0	R99	UL Transport Channel Type Correction	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0870		4.1.0	Rel-4	UL Transport Channel Type Correction	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0907	1	3.7.0	R99	Guidelines concerning conditions, spares, defaults and correction of inconsistencies	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0908		4.1.0	Rel-4	Guidelines concerning conditions, spares, defaults and correction of inconsistencies	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0909	1	3.7.0	R99	Correction to TDD DL DPCH Common Timeslot Info	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0910		4.1.0	Rel-4	Correction to TDD DL DPCH Common Timeslot Info	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0911	1	3.7.0	R99	TDD System Information Update in Cell_DCH	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0912		4.1.0	Rel-4	TDD System Information Update in Cell_DCH	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0913	1	3.7.0	R99	Editorial Corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010544	25.331	0914		4.1.0	Rel-4	Editorial Corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0915	1	3.7.0	R99	UL DPCH Power Control Info in TDD	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0916		4.1.0	Rel-4	UL DPCH Power Control Info in TDD	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0917	1	3.7.0	R99	CN-originated paging in CELL_PCH and URA_PCH state	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0918		4.1.0	Rel-4	CN-originated paging in CELL_PCH and URA_PCH state	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0919	1	3.7.0	R99	Corrections to UE variable handling	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0920		4.1.0	Rel-4	Corrections to UE variable handling	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0921	1	3.7.0	R99	Inter-frequency measurements	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0922		4.1.0	Rel-4	Inter-frequency measurements	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0923	1	3.7.0	R99	Inter-RAT measurements	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010544	25.331	0924		4.1.0	Rel-4	Inter-RAT measurements	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0925	2	3.7.0	R99	Intra-frequency measurements	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-010671	25.331	0925	3	3.7.0	R99	Intra-frequency measurements	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0926		4.1.0	Rel-4	Intra-frequency measurements	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-010671	25.331	0926	1	4.1.0	Rel-4	Intra-frequency measurements	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0927	1	3.7.0	R99	Multiplexing configuration corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0928		4.1.0	Rel-4	Multiplexing configuration corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0929	1	3.7.0	R99	Reception of non-dedicated control channels mapped on FACH in CELL_FACH state	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0930		4.1.0	Rel-4	Reception of non-dedicated control channels mapped on FACH in CELL_FACH state	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0931		3.7.0	R99	Removal of C-RNTI when entering CELL_DCH	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0932		4.1.0	Rel-4	Removal of C-RNTI when entering CELL_DCH	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0933		4.1.0	Rel-4	Order of bits in bitstrings	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0934	1	3.7.0	R99	TF and TFC set definition	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0935		4.1.0	Rel-4	TF and TFC set definition	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010545	25.331	0936	1	3.7.0	R99	Correction of remaining ASN.1/Tabular inconsistencies	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0937		4.1.0	Rel-4	Correction of remaining ASN.1/Tabular inconsistencies	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0938	1	3.7.0	R99	CPICH Ec/N0 Range	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0939		4.1.0	Rel-4	CPICH Ec/N0 Range	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0940	1	3.7.0	R99	Priorities for IDNNS coding	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0941		4.1.0	Rel-4	Priorities for IDNNS coding	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0942	1	3.7.0	R99	Dedicated pilots and S-CPICH specification related to UE specific beamforming	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0943		4.1.0	Rel-4	Dedicated pilots and S-CPICH specification related to UE specific beamforming	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0944	1	3.7.0	R99	Security corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010545	25.331	0945		4.1.0	Rel-4	Security corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0946		4.1.0	Rel-4	Selection of the RFC3095 CID transmission	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0952	1	3.7.0	R99	Intra-frequency measurement events for TDD corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0953		4.1.0	Rel-4	Intra-frequency measurement events for TDD corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0954	1	3.7.0	R99	Inconsistencies between ASN.1 and tabular format	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0955		4.1.0	Rel-4	Inconsistencies between ASN.1 and tabular format	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0956		3.7.0	R99	TDD PICH corrections and clarifications	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0957		4.1.0	Rel-4	TDD PICH corrections and clarifications	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0958	1	3.7.0	R99	Messages on CCCH	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0959		4.1.0	Rel-4	Messages on CCCH	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0960		3.7.0	R99	Clarification of Parameter Values for Default Radio Configurations	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0961		4.1.0	Rel-4	Clarification of Parameter Values for Default Radio Configurations	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0962		3.7.0	R99	Clarification to usage of default values in "Cell Selection and Reselection for SIB11/12Info"	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0963		4.1.0	Rel-4	Clarification to usage of default values in "Cell Selection and Reselection for SIB11/12Info"	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0964		3.7.0	R99	Clarification of handling of System information block 14	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010546	25.331	0965		4.1.0	Rel-4	Clarification of handling of System information block 14	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0966	3	3.7.0	R99	Description of UE behaviour when receiving UE positioning related information	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0967		4.1.0	Rel-4	Description of UE behaviour when receiving UE positioning related information	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0970		4.1.0	Rel-4	Correction of IPDL parameters for TDD enhancements in ASN.1 description	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0971	1	4.1.0	Rel-4	1.28 Mcps TDD PICH, Midamble and UL timing advance control corrections	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0972		4.1.0	Rel-4	Introduction of 1.28 Mcps TDD Mode in clause 13.7	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0973		4.1.0	Rel-4	Tadv in 1.28 Mcps TDD	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010554	25.331	0974		4.1.0	Rel-4	Correction and clarification to PRACH in 1.28 Mcps TDD	approved	F	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0981	1	3.7.0	R99	Clarification on periodic measurement reporting	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0982		4.1.0	Rel-4	Clarification on periodic measurement reporting	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0983	2	3.7.0	R99	Corrections and clarifications on Measurement procedures description	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010546	25.331	0984		4.1.0	Rel-4	Corrections and clarifications on Measurement procedures description	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0985		3.7.0	R99	Lossless Criteria in PDCP Info	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0986		4.1.0	Rel-4	Lossless Criteria in PDCP Info	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0987		3.7.0	R99	Corrections to cell reselection parameter values	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0988		4.1.0	Rel-4	Corrections to cell reselection parameter values	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0989	1	3.7.0	R99	Correction to signalling connection release	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0990		4.1.0	Rel-4	Correction to signalling connection release	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0991	1	3.7.0	R99	Corrections to cell update procedures	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0992		4.1.0	Rel-4	Corrections to cell update procedures	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0993		3.7.0	R99	PDCP configuration and PS domain configuration checks	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0994		4.1.0	Rel-4	PDCP configuration and PS domain configuration checks	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0995	1	3.7.0	R99	Correction to handling of RRC transaction identifier for Cell Update, URA Update and RRC connection setup	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0996		4.1.0	Rel-4	Correction to handling of RRC transaction identifier for Cell Update, URA Update and RRC connection setup	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010547	25.331	0997	2	3.7.0	R99	Correction of UE capabilities regarding Rx-Tx time difference type 2 measurement	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0998	1	4.1.0	Rel-4	Correction of UE capabilities regarding Rx-Tx time difference type 2 measurement	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	0999		3.7.0	R99	Correction to handling of IE 'Downlink info for each radio link'	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	1000		4.1.0	Rel-4	Correction to handling of IE 'Downlink info for each radio link'	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	1003		3.7.0	R99	Redundant IE in Traffic volume measurement system information	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	1004		4.1.0	Rel-4	Redundant IE in Traffic volume measurement system information	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	1005		3.7.0	R99	Editorial corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010547	25.331	1006		4.1.0	Rel-4	Editorial corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1007	1	3.7.0	R99	MAC logical channel priority added to definition of RB0 and SHCCH	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1008		4.1.0	Rel-4	MAC logical channel priority added to definition of RB0 and SHCCH	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1009		3.7.0	R99	Control of primary CCPCH RSCP measurement in PUSCH CAPACITY REQUEST message	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1010		4.1.0	Rel-4	Control of primary CCPCH RSCP measurement in PUSCH CAPACITY REQUEST message	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1013	1	3.7.0	R99	Various minor corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1014		4.1.0	Rel-4	Various minor corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1015	1	3.7.0	R99	Range of T312	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1016		4.1.0	Rel-4	Range of T312	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1017		3.7.0	R99	Bitstring of channelisationCodeIndices	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1018		4.1.0	Rel-4	Bitstring of channelisationCodeIndices	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1019		3.7.0	R99	Transmission of UE CAPABILITY INFORMATION message	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1020		4.1.0	Rel-4	Transmission of UE CAPABILITY INFORMATION message	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1021	1	3.7.0	R99	Multiple UE capabilities procedures	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1022		4.1.0	Rel-4	Multiple UE capabilities procedures	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1023	1	3.7.0	R99	Corrections to information elements outside the extension container	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1024		4.1.0	Rel-4	Corrections to information elements outside the extension container	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010548	25.331	1025	1	3.7.0	R99	SFN reporting	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1026		4.1.0	Rel-4	SFN reporting	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1027		3.7.0	R99	TFCI combining indicator	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010548	25.331	1028		4.1.0	Rel-4	TFCI combining indicator	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1029	1	3.7.0	R99	RLC reset on a Signalling Radio Bearer	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1030		4.1.0	Rel-4	RLC reset on a Signalling Radio Bearer	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1033	1	3.7.0	R99	Quality Indication for UE Positioning Parameters	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1034		4.1.0	Rel-4	Quality Indication for UE Positioning Parameters	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1035		3.7.0	R99	Editorial Correction for UE Positioning	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1036		4.1.0	Rel-4	Editorial Correction for UE Positioning	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1037	1	3.7.0	R99	Clarification on the current status of ciphering	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1038		4.1.0	Rel-4	Clarification on the current status of ciphering	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1047	1	3.7.0	R99	Clarification on HFN initialization at SRB and RB setup	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1048		4.1.0	Rel-4	Clarification on HFN initialization at SRB and RB setup	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1049	1	3.7.0	R99	Clarification on Inter-RAT measurement	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1050		4.1.0	Rel-4	Clarification on Inter-RAT measurement	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1051		3.7.0	R99	Clarification on re-assembly of segments	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1052		4.1.0	Rel-4	Clarification on re-assembly of segments	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1061	1	3.7.0	R99	Minor Corrections	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1062		4.1.0	Rel-4	Minor Corrections	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1065	1	3.7.0	R99	Support of dedicated pilots for channel estimation	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1066		4.1.0	Rel-4	Support of dedicated pilots for channel estimation	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1067	2	3.7.0	R99	Correction to SRNS relocation handling	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010549	25.331	1068		4.1.0	Rel-4	Correction to SRNS relocation handling	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010550	25.331	1075	1	3.7.0	R99	Correction to RLC state variables	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010550	25.331	1076		4.1.0	Rel-4	Correction to RLC state variables	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010550	25.331	1081	1	3.7.0	R99	Reading of CN information in SIB 1 inRRC Connected Mode	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010550	25.331	1082		4.1.0	Rel-4	Reading of CN information in SIB 1 inRRC Connected Mode	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010550	25.331	1085	1	3.7.0	R99	Restricting the maximum amount of preconfigurations in case of equivalent PLMNs	approved	F	3.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-010550	25.331	1086		4.1.0	Rel-4	Restricting the maximum amount of preconfigurations in case of equivalent PLMNs	approved	A	4.2.0	Radio Resource Control (RRC) protocol specification	R2
RP-010575	25.401	033		5.0.0	Rel-5	Uplink power control for LCR TDD	approved	A	5.1.0	UTRAN Overall Description	R3
RP-010575	25.401	034		4.1.0	Rel-4	Uplink power control for LCR TDD	approved	A	4.2.0	UTRAN Overall Description	R3
RP-010575	25.401	035		3.7.0	R99	Power control description for TDD	approved	F	3.8.0	UTRAN Overall Description	R3
RP-010575	25.401	036	2	3.7.0	R99	Clarification of coordinated DCHs	approved	F	3.8.0	UTRAN Overall Description	R3
RP-010575	25.401	037	2	4.1.0	Rel-4	Clarification of coordinated DCHs	approved	A	4.2.0	UTRAN Overall Description	R3
RP-010575	25.401	038	2	5.0.0	Rel-5	Clarification of coordinated DCHs	approved	A	5.1.0	UTRAN Overall Description	R3
RP-010705	25.402	025		4.1.0	Rel-4	Correction of the Frequency Accuracy in the Frequency Acquisition Phase	approved	F	4.2.0	Synchronisation in UTRAN Stage 2	R3
RP-010592	25.402	025		4.1.0	Rel-4	Correction of the Frequency Accuracy in the Frequency Acquisition Phase	revised	F		Synchronisation in UTRAN Stage 2	R3
RP-010576	25.402	026		3.6.0	R99	Notation of Time Instances	approved	F	3.7.0	Synchronisation in UTRAN Stage 2	R3
RP-010576	25.402	027		4.1.0	Rel-4	Notation of Time Instances	approved	A	4.2.0	Synchronisation in UTRAN Stage 2	R3
RP-010593	25.410	009	6	4.1.0	Rel-4	Iu connection principles enhancement, CS domain	revised	F		UTRAN Iu Interface: General Aspects and Principles	R3
RP-010697	25.410	009	7	4.1.0	Rel-4	Iu connection principles enhancement, CS domain	approved	B	4.2.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010577	25.410	019	4	3.4.0	R99	Intersystem Change clarifications	approved	F	3.5.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010577	25.410	020	4	4.1.0	Rel-4	Intersystem Change clarifications	approved	A	4.2.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010593	25.410	021	2	4.1.0	Rel-4	Iu UP version selection	approved	F	4.2.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010594	25.413	244	6	4.1.0	Rel-4	N-to-M relation between CN and UTRAN	revised	B		UTRAN Iu interface RANAP signalling	R3
RP-010698	25.413	244	7	4.1.0	Rel-4	N-to-M relation between CN and UTRAN	approved	B	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010594	25.413	297	2	4.1.0	Rel-4	Clarification on User Plane Version Indication	approved	F	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010594	25.413	302	7	4.1.0	Rel-4	Release 4 additions in Iu to support new positioning methods	approved	F	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	324	1	4.1.0	Rel-4	Correction to the Error handling of the ERROR INDICATION message	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	325	1	3.6.0	R99	Correction to the Error handling of the ERROR INDICATION message	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	326	1	4.1.0	Rel-4	Alignment of Conditional Presence with RAN3 Specification Principles	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	327	1	3.6.0	R99	Alignment of Conditional Presence with RAN3 Specification Principles	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3

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RP-010578	25.413	328		4.1.0	Rel-4	NAS Syncronisation Indicator also at RAB Establishment	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	329	2	4.1.0	Rel-4	Old BSS to New BSS IE optional in UMTS to GSM handover	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	330		4.1.0	Rel-4	Order of elements in bitstrings	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	331		3.6.0	R99	Order of elements in bitstrings	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	332	2	3.6.0	R99	Old BSS to New BSS IE optional in UMTS to GSM handover	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	333		3.6.0	R99	NAS Syncronisation Indicator also at RAB Establishment	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	336		3.6.0	R99	Data Forwarding related IEs in RELOCATION COMMAND message	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	337		4.1.0	Rel-4	Data Forwarding related IEs in RELOCATION COMMAND message	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	338	1	3.6.0	R99	Error handling of the Erroneously Present Conditional Ies	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	339	1	4.1.0	Rel-4	Error handling of the Erroneously Present Conditional Ies	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	344	1	3.6.0	R99	Rapporteurs corrections in RANAP	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	345	1	4.1.0	Rel-4	Rapporteurs corrections in RANAP	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	346	3	3.6.0	R99	Inconsistency in definition of parameters used in INVOKE_TRACE message	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	347	3	4.1.0	Rel-4	Inconsistency in definition of parameters used in INVOKE_TRACE message	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010578	25.413	357	1	3.6.0	R99	UP modification clarification	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	358	1	3.6.0	R99	Clarification of chapter 10	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	359	1	4.1.0	Rel-4	Clarification of chapter 10	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	363	1	3.6.0	R99	Condition of SDU format information IE	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	364	1	4.1.0	Rel-4	Condition of SDU format information IE	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	367	1	3.6.0	R99	Relocation Requirement not to be used	approved	F	3.7.0	UTRAN Iu interface RANAP signalling	R3
RP-010579	25.413	368	1	4.1.0	Rel-4	Relocation Requirement not to be used	approved	A	4.2.0	UTRAN Iu interface RANAP signalling	R3
RP-010580	25.414	021	1	3.7.0	R99	Reference correction to Q.2630.1	approved	F	3.8.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010580	25.414	022		4.0.0	Rel-4	Reference correction to Q.2630.1	approved	A	4.1.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010595	25.415	062	3	4.1.0	Rel-4	Iu UP version handling (Rel 4)	approved	F	4.2.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	067		4.1.0	Rel-4	Clarification of "RFCI n Indicator"	approved	A	4.2.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	068		3.7.0	R99	Clarification of "RFCI n Indicator"	approved	F	3.8.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	071	1	3.7.0	R99	Coding of no_data mode	revised	F		UTRAN Iu interface user plane protocols	R3
RP-010696	25.415	071	2	3.7.0	R99	Coding of no_data mode	approved	F	3.8.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	072	1	4.1.0	Rel-4	Coding of no_data mode	revised	A		UTRAN Iu interface user plane protocols	R3
RP-010696	25.415	072	2	4.1.0	Rel-4	Coding of no_data mode	approved	A	4.2.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	073	3	3.7.0	R99	General Corrections on Iu User Plane	approved	F	3.8.0	UTRAN Iu interface user plane protocols	R3
RP-010581	25.415	074	3	4.1.0	Rel-4	General Corrections on Iu User Plane	approved	A	4.2.0	UTRAN Iu interface user plane protocols	R3
RP-010582	25.419	051	1	4.1.0	Rel-4	SABP criticality	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	052	1	4.1.0	Rel-4	Correction to the Error handling of the ERROR INDICATION message	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	053	1	3.5.0	R99	SABP criticality	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3

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RP-010582	25.419	054	1	3.5.0	R99	Correction to the Error handling of the ERROR INDICATION message	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	055	1	3.5.0	R99	Error handling of the Erroneously Present Conditional Ies	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	056	1	4.1.0	Rel-4	Error handling of the Erroneously Present Conditional Ies	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	057	1	3.5.0	R99	Clarification of chapter 10	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	058	1	4.1.0	Rel-4	Clarification of chapter 10	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	059	1	3.5.0	R99	SABP General Corrections	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	060	1	4.1.0	Rel-4	SABP General Corrections	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	061	2	3.5.0	R99	Clarification of the usage of the Number of Broadcasts Requested IE	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	062	2	4.1.0	Rel-4	Clarification of the usage of the Number of Broadcasts Requested IE	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	063		3.5.0	R99	Clarification of the usage of the SABP Reset Procedure	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	064	1	4.1.0	Rel-4	Clarification of the usage of the SABP Reset Procedure	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	065	2	3.5.0	R99	Clarification of the usage of the Service Areas List IE within the Reset Procedure	approved	F	3.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010582	25.419	066	2	4.1.0	Rel-4	Clarification of the usage of the Service Areas List IE within the Reset Procedure	approved	A	4.2.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010583	25.423	370	3	3.6.0	R99	Ambiguity in CM handling	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	371	2	4.1.0	Rel-4	Ambiguity in CM handling	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	415		4.1.0	Rel-4	Clarification on the reference of the “Neighbouring TDD Cell Information LCR”	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	416	1	4.1.0	Rel-4	Corrections to the DSCH Code Mapping IE	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	417		3.6.0	R99	Transport bearer replacement clarification	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	418		4.1.0	Rel-4	Transport bearer replacement clarification	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	420	2	4.1.0	Rel-4	Allowed Combinations of Dedicated Measurement Type and the Reporting Characteristics Type	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	423		4.1.0	Rel-4	Support of 8PSK modulation for LCR TDD	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	424	1	3.6.0	R99	Correction to the Error handling of the ERROR INDICATION message	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	425	1	4.1.0	Rel-4	Correction to the Error handling of the ERROR INDICATION message	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	429	1	3.6.0	R99	Corrections to the DSCH Code Mapping IE	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	430		4.1.0	Rel-4	Allowed combination of the measurement and event types	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	431	2	3.6.0	R99	Cell Reserved for operator use	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	432	2	4.1.0	Rel-4	Cell Reserved for operator use	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	435	1	4.1.0	Rel-4	Adding protocol container in CHOICE type IE	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	436	1	3.6.0	R99	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3

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RP-010583	25.423	437	1	4.1.0	Rel-4	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	438	1	4.1.0	Rel-4	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	439	1	3.6.0	R99	TFCS Correction for TDD	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	440	1	4.1.0	Rel-4	TFCS Correction for TDD	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	441		3.6.0	R99	Correction of a wrong implementation of CR 414	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	442		4.1.0	Rel-4	Correction of a wrong implementation of CR 414	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	443	1	3.6.0	R99	Error handling of the Erroneously Present Conditional Ies	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	444	1	4.1.0	Rel-4	Error handling of the Erroneously Present Conditional Ies	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	445	1	3.6.0	R99	Correction to Downlink Signaling Transfer	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010583	25.423	446	1	4.1.0	Rel-4	Correction to Downlink Signaling Transfer	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	449		3.6.0	R99	Bitstrings ordering	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	450		4.1.0	Rel-4	Bitstrings ordering	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	455	1	4.1.0	Rel-4	Correct ion to position reporting	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	458		3.6.0	R99	Correction of CR implementation errors	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	459		3.6.0	R99	Mapping of TFCS to TFCI	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	460		4.1.0	Rel-4	Mapping of TFCS to TFCI	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010596	25.423	461	1	4.1.0	Rel-4	CR to 25.423 v4.1.0: RX timing deviation as dedicated measurement for 1.28Mcps TDD	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	462		3.6.0	R99	TDD Channelisation code range definition	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	463		4.1.0	Rel-4	TDD Channelisation code range definition	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	466	1	4.1.0	Rel-4	Clarification on the Time Slot LCR	approved	F	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	467	1	3.6.0	R99	Rnsap criticality	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	468	1	4.1.0	Rel-4	Rnsap criticality	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	469	1	3.6.0	R99	Clarification of chapter 10	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	470	1	4.1.0	Rel-4	Clarification of chapter 10	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	471	1	3.6.0	R99	Clarification of use of Diversity Control Indicator	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	472	1	4.1.0	Rel-4	Clarification of use of Diversity Control Indicator	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	474	2	3.6.0	R99	Clarification of coordinated DCHs	approved	F	3.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-010584	25.423	475	2	4.1.0	Rel-4	Clarification of coordinated DCHs	approved	A	4.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-010597	25.425	030		4.0.0	Rel-4	Correction on RACH data frame in Iur interface	approved	F	4.1.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010585	25.425	032	2	3.4.0	R99	General Corrections on Common Transport Channel Data Streams	approved	F	3.5.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010585	25.425	033	2	4.0.0	Rel-4	General Corrections on Common Transport Channel Data Streams	approved	A	4.1.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010586	25.427	055		3.7.0	R99	Transport bearer replacement clarification	approved	F	3.8.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010586	25.427	056		4.1.0	Rel-4	Transport bearer replacement clarification	approved	A	4.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010598	25.427	057		4.1.0	Rel-4	Uplink power control for LCR TDD	approved	F	4.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010598	25.427	060	1	4.1.0	Rel-4	DPC Mode Correction in the User Plane	approved	F	4.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010598	25.427	061		4.1.0	Rel-4	25.427 Correction	approved	F	4.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3

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RP-010586	25.427	062	1	3.7.0	R99	General Corrections on Iub_Iur UP protocol for DCH data streams	approved	F	3.8.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010586	25.427	063	1	4.1.0	Rel-4	General Corrections on Iub_Iur UP protocol for DCH data streams	approved	A	4.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010587	25.433	409	3	3.6.0	R99	Ambiguity in CM handling	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	410	2	4.1.0	Rel-4	Ambiguity in CM handling	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	468	2	4.1.0	Rel-4	Allowed Combinations of Dedicated Measurement Type and the Reporting Characteristics Type	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	470		4.1.0	Rel-4	Support of 8PSK modulation for LCR TDD	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	472		4.1.0	Rel-4	Correction to Information Block Deletion	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	473		4.1.0	Rel-4	DPC Mode in Radio Link Addition procedure	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	474		3.6.0	R99	Correction to Information Block Deletion	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	475		4.1.0	Rel-4	Correction on NBAP function	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	476		4.1.0	Rel-4	Clarification of the AICH power	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	477		3.6.0	R99	Clarification of the AICH power	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	479	1	4.1.0	Rel-4	Transport bearer replacement clarification	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	480	1	3.6.0	R99	Nbap criticality	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	481	1	4.1.0	Rel-4	Corrections to the PDSCH Code Mapping IE	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	482	1	3.6.0	R99	Corrections to the PDSCH Code Mapping IE	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	483	1	3.6.0	R99	Correction to the handling of DL Code Information in RL Reconfiguration procedures	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	484	1	4.1.0	Rel-4	Correction to the handling of DL Code Information in RL Reconfiguration procedures	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	485	1	4.1.0	Rel-4	Correction to the Error handling of the ERROR INDICATION message	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	486		4.1.0	Rel-4	Correct max Codes discrepancy between tabular and ASN.1	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	487	1	3.6.0	R99	Transport bearer replacement clarification	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	488		4.1.0	Rel-4	S-CCPCH Corrections for TDD	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	489		3.6.0	R99	Correct max Codes discrepancy between tabular and ASN.1	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	490		3.6.0	R99	S-CCPCH Corrections for TDD	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	491	1	4.1.0	Rel-4	Nbap criticality	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010587	25.433	495	1	3.6.0	R99	Correction to the Error handling of the ERROR INDICATION message	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	498	1	4.1.0	Rel-4	Adding protocol container in CHOICE type IE	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	499	1	3.6.0	R99	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	500	1	4.1.0	Rel-4	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	501	1	4.1.0	Rel-4	Clarification of Abnormal Conditions/Unsuccessful Operation	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	503		3.6.0	R99	Error handling of erroneously present conditional IEs	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	504		4.1.0	Rel-4	Error handling of erroneously present conditional IEs	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	506	1	3.6.0	R99	Correction for maxNrOfCPCHs	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	507	1	4.1.0	Rel-4	Correction for maxNrOfCPCHs	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	508	1	3.6.0	R99	Correction for N_EOT	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3

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RP-010588	25.433	509	1	4.1.0	Rel-4	Correction for N_EOT	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	512		3.6.0	R99	Bitstrings ordering	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	513		4.1.0	Rel-4	Bitstrings ordering	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	515	1	4.1.0	Rel-4	Corrections to position reporting	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	516		3.6.0	R99	Mapping of TFCS to TFCI	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	517		4.1.0	Rel-4	Mapping of TFCS to TFCI	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	518	2	4.1.0	Rel-4	CR to 25.433 v4.1.0: RX timing deviation as dedicated measurement for 1.28Mcps TDD	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	519		4.1.0	Rel-4	Correction of implementation of RAN#12 CRs	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	520		3.6.0	R99	TDD Channelisation code range definition	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	521		4.1.0	Rel-4	TDD Channelisation code range definition	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010599	25.433	522	1	4.1.0	Rel-4	Clarification on the Time Slot LCR	approved	F	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	523	1	3.6.0	R99	Clarification of chapter 10	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	524	1	4.1.0	Rel-4	Clarification of chapter 10	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	525		3.6.0	R99	Clarification of use of Diversity Control Indicator	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	526		4.1.0	Rel-4	Clarification of use of Diversity Control Indicator	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	527	3	3.6.0	R99	Clarification of coordinated DCHs	approved	F	3.7.0	UTRAN Iub interface NBAP signalling	R3
RP-010588	25.433	528	3	4.1.0	Rel-4	Clarification of coordinated DCHs	approved	A	4.2.0	UTRAN Iub interface NBAP signalling	R3
RP-010589	25.435	047		4.1.0	Rel-4	Addition of missing control frame type	approved	A	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010600	25.435	048	1	4.1.0	Rel-4	Uplink power control for LCR TDD	approved	F	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010600	25.435	049		4.1.0	Rel-4	Correction on RACH data frame in Iub interface	approved	F	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	051		3.7.0	R99	Addition of missing control frame type	approved	F	3.8.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	052	1	4.1.0	Rel-4	Applicability of the control frames on transport bearers	approved	A	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	054	1	3.7.0	R99	Applicability of the control frames on transport bearers	approved	F	3.8.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	055		3.7.0	R99	General Corrections to TS 25.435	approved	F	3.8.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	056		4.1.0	Rel-4	General Corrections to TS 25.435	approved	A	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	057	1	3.7.0	R99	General Corrections on CTrCH Data Streams	approved	F	3.8.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010589	25.435	058	1	4.1.0	Rel-4	General Corrections on CTrCH Data Stream	approved	A	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010600	25.435	059	1	4.1.0	Rel-4	Uplink Power Control for TDD	approved	F	4.2.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010603	25.453	002	1	5.0.0	Rel-5	Correction to the Error handling of the ERROR INDICATION message	withdrawn	F		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010702	25.453	002	1	5.0.0	Rel-5	Correction to the Error handling of the ERROR INDICATION message	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3

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RP-010603	25.453	003		5.0.0	Rel-5	Proposed CR to 25.453 on Semantics Description of C/No	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010603	25.453	004		5.0.0	Rel-5	Proposed CR to 25.453 on Clause 10	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010603	25.453	005	1	5.0.0	Rel-5	Error handling of the Erroneously Present Conditional Ies	withdrawn	A		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010702	25.453	005	1	5.0.0	Rel-5	Error handling of the Erroneously Present Conditional Ies	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010603	25.453	006	1	5.0.0	Rel-5	Clarification of chapter 10	withdrawn	F		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010702	25.453	006	1	5.0.0	Rel-5	Clarification of chapter 10	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010702	25.453	007		5.0.0	Rel-5	PCAP Criticality	approved	F	5.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010603	25.453	007		5.0.0	Rel-5	PCAP Criticality	withdrawn	F		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010555	25.844	001	2	4.0.0	Rel-4	SRNS relocation for seamless radio bearers	approved	F	4.1.0	Radio acces bearer support enhancements	R2
RP-010601	25.850	002		4.1.0	Rel-4	Removal of remaining open item	approved	F	4.2.0	UE positioning in UTRAN Iub/Iur protocol aspects	R3
RP-010551	25.921	024	1	3.4.0	R99	Guidelines concerning conditions, spares, defaults and correction of inconsistencies	approved	F	3.5.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	025		4.1.0	Rel-4	Guidelines concerning conditions, spares, defaults and correction of inconsistencies	approved	A	4.2.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	026		3.4.0	R99	Naming convention for non-critical extensions	approved	F	3.5.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	027		4.1.0	Rel-4	Naming convention for non-critical extensions	approved	A	4.2.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	028	1	3.4.0	R99	Introduction of procedure specification guidelines specific to RLC	approved	F	3.5.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	029		4.1.0	Rel-4	Introduction of procedure specification guidelines specific to RLC	approved	A	4.2.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	030		3.4.0	R99	RAN3 usage of 1994 ASN.1 feature set	approved	F	3.5.0	Guidelines and principles for protocol description and error handling	R2
RP-010551	25.921	031		4.1.0	Rel-4	RAN3 usage of 1994 ASN.1 feature set	approved	A	4.2.0	Guidelines and principles for protocol description and error handling	R2
RP-010552	25.922	015		3.5.0	R99	Update of preconfiguration description	approved	F	3.6.0	Radio Resource Management Strategies	R2
RP-010552	25.922	016		4.0.0	Rel-4	Update of preconfiguration description	approved	A	4.1.0	Radio Resource Management Strategies	R2
RP-010552	25.922	017		3.5.0	R99	Alignment with 25.304	approved	F	3.6.0	Radio Resource Management Strategies	R2
RP-010552	25.922	018		4.0.0	Rel-4	Alignment with 25.304	approved	A	4.1.0	Radio Resource Management Strategies	R2

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RP-010602	25.937	001		4.0.0	Rel-4	Rel4 correction on modulation type in LCR TDD	approved	F	4.1.0	UTRAN TDD low chiprate	R3
RP-010635	25.945	001		4.0.0	Rel-4	Editorial modification for TR25.945 v4.0.0	approved	F	4.1.0	RF requirements for low chip rate TDD option	R4
RP-010590	29.108	003		3.1.0	R99	Iu Signalling Connection identifier on E-i/f	approved	F	3.2.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-010590	29.108	004		4.0.0	Rel-4	Iu Signalling Connection identifier on E-i/f	approved	A	4.1.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
SP-010419	01.01	003		8.2.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications	SP
SP-010524	01.01	003	1	8.2.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications	SP
SP-010586	01.01	003	2	8.2.0	R99	Correction to list of specifications	approved	F	8.3.0	GSM Release 1999 Specifications	SP
SP-010510	03.71	A029	1	8.2.0	R99	Applicability of Privacy Override Indicator	approved	A	8.3.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010510	03.71	A030	1	7.6.0	R98	Correction of Inconsistent text	approved	F	7.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010510	03.71	A031	1	8.2.0	R99	Correction of Inconsistent Text	approved	A	8.3.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010510	03.71	A032	1	7.6.0	R98	Applicability of Privacy Override Indicator	approved	F	7.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010416	21.101	006		3.4.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-010533	21.101	006	1	3.4.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-010585	21.101	006	2	3.4.0	R99	Correction to list of specifications	approved	F	3.5.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-010417	21.102	003		4.1.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications	SP
SP-010534	21.102	003	1	4.1.0	Rel-4	Correction to list of specifications	approved	F	4.2.0	3rd Generation mobile system Release 4 specifications	SP
SP-010482	21.801	003		4.1.0	Rel-4	Corrections of invalid clause reference	approved	F	4.2.0	Specification drafting rules	SP
SP-010430	21.905	011		3.2.0	R99	CR to 21.905v3.2.0 (R99) on Alignment of definitions requested by RAN 4	approved	F	3.3.0	Vocabulary for 3GPP Specifications	S1
SP-010430	21.905	012		4.3.0	Rel-4	CR to 21.905v4.3.0 (Rel-4) on Alignment of definitions requested by RAN 4	approved	F	4.4.0	Vocabulary for 3GPP Specifications	S1
SP-010430	21.905	013		5.0.0	Rel-5	CR to 21.905v5.0.0 (Rel-5) on Alignment of definitions requested by RAN 4	approved	B	5.1.0	Vocabulary for 3GPP Specifications	S1
SP-010429	21.905	014		3.2.0	R99	Adding new definitions for 21.905 for Iu mode and A/Gb mode	approved	F	3.3.0	Vocabulary for 3GPP Specifications	S1
SP-010429	21.905	015		4.3.0	Rel-4	Adding new definitions to 21.905 for In Iu mode and In A/Gb mode	approved	A	4.4.0	Vocabulary for 3GPP Specifications	S1
SP-010431	21.905	016		5.0.0	Rel-5	CR to 21.905 version 5.0.0 Nomenclature for GTT	approved	B	5.1.0	Vocabulary for 3GPP Specifications	S1
SP-010440	22.057	007		5.1.0	Rel-5	Generic requirements for support of multiple MExE classmarks	approved	F	5.2.0	Mobile Execution Environment (MExE); Stage 1	S1
SP-010442	22.060	021	1	4.2.0	Rel-5	Introduction of High Speed Downlink Packet Access	approved	B	5.0.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1

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SP-010432	22.078	112	3	5.3.0	Rel-5	Enhanced charging for Call Party Handling. 22.078-112; Rel 5; F	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	113	2	5.3.0	Rel-5	CR to 22.078 (Rel-5) on Introduction of definitions for CPH 22.078-113; Rel 5; F	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	114	1	5.3.0	Rel-5	CR to 22.078 (Rel-5) on Editorial corrections to subclause 8.1. 22.078-114; Rel 5; F	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	115	1	5.3.0	Rel-5	Introduction service requirements for CAMEL interworking with the IP multimedia subsystem 22.078-115; Rel 5; B	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	116		5.3.0	Rel-5	CR additional procedure description to Charging Notification 22.078-116; Rel 5; C	approved	C	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	118		5.3.0	Rel-5	CR additional information called party connection procedure 22.078-118; Rel 5; C	approved	C	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	119	2	5.3.0	Rel-5	Tones support for CAMEL phase 4	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	120		5.3.0	Rel-5	Correction of on line charging procedures in case of CPH	approved	F	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	121	1	5.3.0	Rel-5	Applicability of CAMEL to IMS	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	122	1	5.3.0	Rel-5	Applicability of CAMEL to IP Multimedia sessions	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010432	22.078	123		5.3.0	Rel-5	CAMEL and IM application registration	approved	B	5.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010428	22.100	030	2	3.6.0	R99	Correction of support of facsimile teleservice for UMTS R99 specifications	approved	F	3.7.0	UMTS Phase 1	S1
SP-010441	22.101	083		4.4.0	Rel-4	Addition of a statement on parameter storage on the SIM/USIM.	approved	F	4.5.0	Service aspects; Service principles	S1
SP-010441	22.101	084		5.3.0	Rel-5	Addition of a statement on parameter storage on the SIM/USIM.	approved	A	5.4.0	Service aspects; Service principles	S1
SP-010437	22.101	085		4.4.0	Rel-4	Correction of MMS paragraph	approved	F	4.5.0	Service aspects; Service principles	S1
SP-010436	22.101	086	1	5.3.0	Rel-5	Definition of Home Environment	approved	F	5.4.0	Service aspects; Service principles	S1
SP-010442	22.105	032	1	4.2.0	Rel-5	Introduction of High Speed Downlink Packet Access	approved	B	5.0.0	Services & service capabilities	S1
SP-010439	22.127	014	1	5.0.0	Rel-5	Re-introduction of R5 OSA function; Traceability, CR 22.127 - 14	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	015		5.0.0	Rel-5	Re-introduction of R5 OSA function; Multi Media Channel Control CR 22.127-15	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	016		5.0.0	Rel-5	Re-introduction of R5 OSA function; Retrieval of Network Capabilities CR 22.127-16	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1

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SP-010439	22.127	017		5.0.0	Rel-5	OSA support of information service function CR 22.127-17	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	018		5.0.0	Rel-5	OSA support of Presence service function CR 22.127-18	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	019		5.0.0	Rel-5	OSA requirements for User Data Management CR 22.127-19	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	020		5.0.0	Rel-5	OSA requirements on User Profile Access Management CR 22.127-20	approved	B	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010439	22.127	021		5.0.0	Rel-5	Correction of Scope statement CR 22.127-21	approved	F	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010436	22.127	024	1	5.0.0	Rel-5	Definitions of Home Environment and HE-VASP	approved	F	5.1.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010434	22.129	020	1	4.3.0	Rel-5	Release 5 IMS Service Continuity Requirements	approved	B	5.0.0	Handover Requirements between UMTS and GERAN or other Radio Systems	S1
NP-010505	22.129	021		3.5.0	R99	Bearer selection criteria of calls in a multicall	withdrawn	F		Handover Requirements between UMTS and GERAN or other Radio Systems	S1
NP-010506	22.129	022		4.3.0	Rel-4	Bearer selection criteria of calls in a multicall	withdrawn	A		Handover Requirements between UMTS and GERAN or other Radio Systems	S1
SP-010433	22.226	001		5.0.0	Rel-5	CR to 22.226 version 5.0.0 GTT Stage 1 as requested by SA	approved	F	5.1.0	Global text telephony; Stage 1: Service description	S1
SP-010435	22.228	007		5.2.0	Rel-5	Interworking with internet	approved	D	5.3.0	IP multimedia subsystem; Stage 1	S1
SP-010435	22.228	008		5.2.0	Rel-5	Determination of terminal capability	approved	C	5.3.0	IP multimedia subsystem; Stage 1	S1
SP-010438	22.228	009	2	5.2.0	Rel-5	CR to 22.228 on IM CN Subsystem Roaming	rejected	C		IP multimedia subsystem; Stage 1	S1
SP-010545	22.905	17		3.2.0	R99	Application of RAN CR 21.905-008 to R99	approved	F	3.3.0		S1
SP-010511	23.002	061	2	5.3.0	Rel-5	CR on Introduction of Dx Reference Point in the IMS Reference Architecture"	approved	F	5.4.0	Network Architecture	S2
SP-010511	23.002	063	1	5.3.0	Rel-5	CR on "Update the IP MM Subsystem configuration to include the BGCF node"	approved	F	5.4.0	Network Architecture	S2
SP-010511	23.002	068		5.3.0	Rel-5	CR on "MRF functionality"	approved	C	5.4.0	Network Architecture	S2
SP-010509	23.060	211	2	3.8.0	R99	Corrections for lossless and PDCP sequence numbering	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	219	1	3.8.0	R99	Clarification on Lossless SRNS Relocation	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	224	2	3.8.0	R99	Data forwarding during 3G RAU in PMM CONNECTED state	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	225	1	4.1.0	Rel-4	Data forwarding during 3G RAU in PMM CONNECTED state	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	227	1	3.8.0	R99	Using RAU procedure for MS RAC IE update	approved	A	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	228	1	4.1.0	Rel-4	Using RAU procedure for MS RAC IE update	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	240	1	3.8.0	R99	Suspend/resume for DTM mobiles	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	241	1	4.1.0	Rel-4	Suspend/resume for DTM mobiles	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	242		3.8.0	R99	Wrong placement of GPRS-CSI field in HLR subscription data	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-010509	23.060	243		4.1.0	Rel-4	Wrong placement of GPRS-CSI field in HLR subscription data	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	244		3.8.0	R99	Correction of APN selection rules to support shared networks properly	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	245		4.1.0	Rel-4	Correction of APN selection rules to support shared networks properly	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	248	1	4.1.0	Rel-5	Binding Information in PDP Configuration Options	revised	C		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	249	1	3.8.0	R99	Clarification of handling of real-time PDP contexts	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	250	1	4.1.0	Rel-4	Clarification of handling of real-time PDP contexts	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	251	1	3.8.0	R99	Clarification of QoS negotiation during context activation	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	252	1	4.1.0	Rel-4	Clarification of QoS negotiation during context activation	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	253	1	3.8.0	R99	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	254	1	4.1.0	Rel-4	CAMEL procedure call irrespective of GPRS-CSI/SMS-CSI	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	257	1	4.1.0	Rel-4	RAB Modification procedure	approved	F	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	258		4.1.0	Rel-4	Clarification on Lossless SRNS Relocation	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	259	1	3.8.0	R99	Removal of RANAP Cause in the Relocation Cancel Procedure	approved	F	3.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010509	23.060	260		4.1.0	Rel-4	Corrections for lossless and PDCP sequence numbering	approved	A	4.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010512	23.107	049		4.1.0	Rel-4	Clarification of traffic class weights in QoS profile	approved	A	4.2.0	Quality of Service (QoS) concept and architecture	S2
SP-010512	23.107	050		5.1.0	Rel-5	Clarification of traffic class weights in QoS profile	approved	A	5.2.0	Quality of Service (QoS) concept and architecture	S2
SP-010510	23.171	019	1	3.4.0	R99	Applicability of Privacy Override Indicator	approved	F	3.5.0	Functional stage 2 description of location services in UMTS	S2
SP-010513	23.207	002		5.0.0	Rel-5	Token generation at the PCF	approved	F	5.1.0	End to end quality of service concept and architecture	S2
SP-010513	23.207	003	1	5.0.0	Rel-5	Session Flow: QoS Interaction Procedures	approved	F	5.1.0	End to end quality of service concept and architecture	S2
SP-010513	23.207	004	1	5.0.0	Rel-5	COPS Usage for Go Interface	approved	F	5.1.0	End to end quality of service concept and architecture	S2
SP-010513	23.207	005	1	5.0.0	Rel-5	P-CSCF and PCF Clarifications	approved	F	5.1.0	End to end quality of service concept and architecture	S2
SP-010514	23.221	003	2	5.1.0	Rel-5	CR on "Efficient use of the Radio Resource Technical Requirements"	approved	B	5.2.0	Architectural requirements	S2
SP-010514	23.221	016		5.1.0	Rel-5	Correction on CSCF discovery to align with 23.228	approved	C	5.2.0	Architectural requirements	S2
SP-010515	23.228	010		5.1.0	Rel-5	CR on "23.228 Correction for the usage of CAMEL services on top of IMS"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	011	2	5.1.0	Rel-5	QoS-Assured Preconditions	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2

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SP-010553	23.228	019	1	5.1.0	Rel-5	SIP compression	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	022		5.1.0	Rel-5	CR on "Incorrect text on interworking with ISUP"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	025		5.1.0	Rel-5	Corrections to 23.228 V5.0.0	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	032		5.1.0	Rel-5	CR on "Correct information related to IPv4 handling"	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	045		5.1.0	Rel-5	CR on "MRF functionality and architecture"	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	049	2	5.1.0	Rel-5	Awareness of local SIP services in the IM Subsystem	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	050		5.1.0	Rel-5	Token generation at the PCF	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	051	2	5.1.0	Rel-5	SIP protocol on the SIP+ (ISC) interface	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	052	2	5.1.0	Rel-5	CR on "Emergency sessions"	approved	B	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	055	2	5.1.0	Rel-5	CR on "Network Initiated De-registration procedure"	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	058	1	5.1.0	Rel-5	Terminology Change from SIP+ to ISC for Service Control interface	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	061	3	5.1.0	Rel-5	Clarification of P-CSCF discovery	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	081		5.1.0	Rel-5	P-CSCF and PCF Clarifications	approved	F	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010515	23.228	083		5.1.0	Rel-5	Service control during registration and de-registration	approved	C	5.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010510	23.271	028	1	4.2.0	Rel-4	Correction on the categorization of the periodical location request	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	029		4.2.0	Rel-4	Addition of the notification on the acceptance of the deferred location request	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	031	1	4.2.0	Rel-4	Correction on the handling of the deferred location request in detached case	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	032	1	4.2.0	Rel-4	Applicability of Privacy Override Indicator	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	033		4.2.0	Rel-4	Privacy Check procedures for CS Call related MT-LR	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	034	1	4.2.0	Rel-4	Privacy Class selection rule clarification	approved	F	4.3.0	Functional stage 2 description of location services	S2
SP-010510	23.271	035	1	4.2.0	Rel-5	Release 5 alignment of 23.271 with GERAN LCS stage 2, TS 43.059	approved	B	5.0.0	Functional stage 2 description of location services	S2
SP-010452	26.104	009	1	3.2.0	R99	Correction to make encoder and decoder memories independent	approved	F	3.3.0	ANSI-C code for the floating-point AMR speech codec	S4
SP-010452	26.104	010	1	4.1.1	Rel-4	Correction to make encoder and decoder memories independent	approved	A	4.2.0	ANSI-C code for the floating-point AMR speech codec	S4
SP-010452	26.104	017		3.2.0	R99	Correction of decoder operation in error concealement of lost frames	approved	F	3.3.0	ANSI-C code for the floating-point AMR speech codec	S4
SP-010452	26.104	018		4.1.1	Rel-4	Correction of decoder operation in error concealement of lost frames	approved	A	4.2.0	ANSI-C code for the floating-point AMR speech codec	S4
SP-010453	26.131	007	1	3.2.0	R99	Introduction of ANR tolerance of 3 dB	approved	F	3.3.0	Terminal acoustic characteristics for telephony; Requirements	S4
SP-010453	26.131	008		4.0.0	Rel-4	Introduction of ANR tolerance of 3 dB	approved	A	4.1.0	Terminal acoustic characteristics for telephony; Requirements	S4
SP-010453	26.131	009		5.0.0	Rel-5	Introduction of ANR tolerance of 3 dB	approved	A	5.1.0	Terminal acoustic characteristics for telephony; Requirements	S4
SP-010454	26.132	004		5.0.0	Rel-5	Extended scope of test signals for Ambient Noise Rejection	approved	B	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4

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SP-010454	26.132	005		3.2.0	R99	Bandwidth of test signals for acoustic testing	approved	F	3.3.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-010454	26.132	006		5.0.0	Rel-5	Restricted scope of ITU-T P.501 test signals for 3G acoustic tests	approved	F	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-010454	26.132	007		4.0.0	Rel-4	Bandwidth of test signals for acoustic testing	approved	A	4.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-010454	26.132	008		5.0.0	Rel-5	Bandwidth of test signals for acoustic testing	approved	A	5.1.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4
SP-010455	26.173	007		5.1.1	Rel-5	Error in the C-code of the encoder homing function	approved	F	5.2.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-010455	26.173	008		5.1.1	Rel-5	Inconsistency in the file format description	approved	F	5.2.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-010456	26.231	001		5.0.0	Rel-5	Request to change muting of transmitter from 5th info bit to 4th info bit at beginning of a TTY burst	approved	F	5.1.0	Global text telephony; Cellular text telephone modem minimum performance requirements	S4
SP-010457	26.234	001	1	4.0.0	Rel-4	3GPP PSS4 SMIL Language Profile	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010457	26.234	002		4.0.0	Rel-4	Clarification of H.263 baseline settings	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010457	26.234	003	2	4.0.0	Rel-4	Release 4: Updates of references	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010457	26.234	004	1	4.0.0	Rel-4	Corrections to Annex A	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010457	26.234	005	1	4.0.0	Rel-4	Clarifications to chapter 7	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010457	26.234	006	1	4.0.0	Rel-4	Clarification of the use of XHTML Basic	approved	F	4.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010458	26.975	001		3.0.0	R99	Clarification of 3G simulator settings used for AMR characterization in 3G channels	approved	F	3.1.0	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4
SP-010458	26.975	002		4.0.0	Rel-4	Clarification of 3G simulator settings used for AMR characterization in 3G channels	approved	A	4.1.0	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4
SP-010462	32.005	007		3.4.0	R99	Correction on Terminating CAMEL subscription information	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-010462	32.005	008		3.4.0	R99	Corrections for the delivered dialog parameter for CAMEL Phase 3	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-010462	32.005	009		3.4.0	R99	Addition of "Rate Indication" and "FNUR" in the CDRs, and other Corrections	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-010463	32.015	028		3.6.0	R99	Decoupling of Tariff time switches on GSN- and CAMEL-level from a CDR's perspective	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5

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SP-010463	32.015	029		3.6.0	R99	Data type definition for MSNetworkCapability corrected and aligned with TS 24.008	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010463	32.015	030		3.6.0	R99	Modification of “System Type”	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010463	32.015	031		3.6.0	R99	Correction of G-CDR trigger conditions	approved	F	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010465	32.101	015		4.1.0	Rel-4	Reference Corrections	approved	F	4.2.0	3G Telecom Management principles and high level requirements	S5
SP-010466	32.102	016		4.1.0	Rel-4	Update and alignment of compliance conditions for UMTS Management Physical architectures	approved	F	4.2.0	3G Telecom Management Architecture	S5
SP-010475	32.102	017		4.1.0	Rel-4	Specify the Rule for IDL file names	reissued	F		3G Telecom Management Architecture	S5
SP-010522	32.102	017		4.1.0	Rel-4	Specify the Rule for IDL file names	approved	F	4.2.0	3G Telecom Management Architecture	S5
SP-010473	32.106-6	010		3.2.0	R99	Duplicated exception definition for FilterComplexityLimit	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010474	32.111-2	009		4.0.0	Rel-4	Definition of thresholdInfo in Alarm IRP: IS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-010469	32.111-3	010		4.0.0	Rel-4	Correction of BadAlarmInformationIdSeq parameter type	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010474	32.111-3	011		4.0.0	Rel-4	Definition of thresholdInfo in Alarm IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010522	32.111-3	012		4.0.0	Rel-4	Eliminate guesses on IDL file names in Alarm IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010475	32.111-3	012		4.0.0	Rel-4	Eliminate guesses on IDL file names in Alarm IRP: CORBA SS	reissued	F		Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010470	32.111-4	001	1	3.1.1	Rel-4	Addition of features	approved	B	4.0.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-010475	32.303	001		4.0.0	Rel-4	Eliminate guesses on IDL file names in Notification IRP: CORBA SS	reissued	F		Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5

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SP-010522	32.303	001		4.0.0	Rel-4	Eliminate guesses on IDL file names in Notification IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010471	32.304	001		4.0.0	Rel-4	SupportedNotificationCategory syntax	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-010471	32.304	002		4.0.0	Rel-4	Introduction of conditional packages	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-010471	32.304	003		4.0.0	Rel-4	OID modified according to TS 32.304 new number	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-010468	32.403	001		4.0.0	Rel-4	Corrections on UMTS and combined UMTS/GSM measurements	approved	F	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-010476	32.602	001		4.0.0	Rel-4	Replace the current parameter invokeIdentifier with the two parameters invokeIdentifierIn and invokeIdentifierOut in the operations getMoAttributes() and getContainment()	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP information model	S5
SP-010476	32.603	001		4.0.0	Rel-4	Correction of invokeIdentifier usage	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-010478	32.604	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set	S5
SP-010476	32.604	002		4.0.0	Rel-4	Correction of invokeIdentifier usage	approved	F	4.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set	S5
SP-010479	32.612	001		4.0.0	Rel-4	Add the notification notifyComments in all MOCs that support alarms and correct the list of allowed members of the attribute managedElementType of the MOC managedElement	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	S5
SP-010478	32.614	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	S5
SP-010479	32.622	001		4.0.0	Rel-4	Correction of State Machine Pre and Post Conditions	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5

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SP-010479	32.622	002		4.0.0	Rel-4	Correction of Generic NRM Containment/Naming and Association diagram	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5
SP-010479	32.622	003		4.0.0	Rel-4	Correct description of swVersion attribute	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5
SP-010479	32.623	001		4.0.0	Rel-4	Missing Mapping table added and attribute qualifier corrected	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5
SP-010478	32.624	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-010479	32.624	002		4.0.0	Rel-4	Change the attribute “systemTitle” from mandatory to optional	approved	F	4.1.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-010478	32.634	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set	S5
SP-010478	32.644	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CMIP solution set	S5
SP-010477	32.652	001		4.0.0	Rel-4	Addition of mcc and mnc in the object model of GERAN	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5
SP-010478	32.654	001		4.0.0	Rel-4	Correction due to TS renumbering	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set	S5
SP-010477	32.654	002		4.0.0	Rel-4	Addition of mcc and mnc in the object model of GERAN	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set	S5
SP-010492	33.102	155	1	4.1.0	Rel-4	Adding PS-domain specific access type codes to authentication failure report	approved	F	4.2.0	3G security; Security architecture	S3
SP-010493	33.103	016	2	3.6.0	R99	Correction of USIM data elements for AKA	approved	F	3.7.0	3G security; Integration guidelines	S3
SP-010493	33.103	017		4.1.0	Rel-4	Correction of USIM data elements for AKA	approved	A	4.2.0	3G security; Integration guidelines	S3
SP-010494	33.107	005		3.2.0	R99	Missing location related information in Packet Data Event Records	approved	F	3.3.0	3G security; Lawful interception architecture and functions	S3-LI
SP-010495	33.107	007	1	3.2.0	R99	Reporting of Secondary PDP context	approved	F	3.3.0	3G security; Lawful interception architecture and functions	S3-LI
SP-010495	33.107	008	1	4.0.0	Rel-4	Reporting of Secondary PDP context	approved	A	4.1.0	3G security; Lawful interception architecture and functions	S3-LI
SP-010496	33.200	001		4.0.0	Rel-4	All messages of the same application context shall be applied MAPsec or not at all	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010497	33.200	002		4.0.0	Rel-4	Clarification of scope	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010498	33.200	005	1	4.0.0	Rel-4	Clarifications in SPD and SAD contents	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010499	33.200	007		4.0.0	Rel-4	MAPsec Message Flow including extra SPD table	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010500	33.200	008	1	4.0.0	Rel-4	Correction to security policy requirements	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010501	33.200	009		4.0.0	Rel-4	Content and identifiers of a MAPSec SA	approved	F	4.1.0	Network Domain Security - MAP	S3

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SP-010502	33.200	010		4.0.0	Rel-4	MIA key length unspecified	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010503	33.200	011		4.0.0	Rel-4	MAC calculation in PM2	approved	F	4.1.0	Network Domain Security - MAP	S3
SP-010420	41.102	002		4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-010536	41.102	002	1	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-010568	41.102	002	2	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-010575	41.102	002	3	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-010587	41.102	002	4	4.1.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-010592	41.102	002	5	4.1.0	Rel-4	Correction to list of specifications	approved	F	4.2.0	GSM Release 4 specifications	SP
SP-010472	52.071	001		4.0.0	Rel-4	Withdrawal of TS 52.071 from Rel-4	approved	F	4.1.0	Location Services (LCS); Location services management	S5
TP-010201	03.48	A019		8.6.0	R99	Clarifications on padding and Anti Replay Counter	approved	F	8.7.0	Security Mechanisms for SIM Toolkit Application; Stage 2	T3
TP-010201	03.48	A020		8.6.0	R99	Correction to example in Annex A	approved	F	8.7.0	Security Mechanisms for SIM Toolkit Application; Stage 2	T3
TP-010193	07.07	A090		7.6.0	R98	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	reissued	F		AT Command set for GSM Mobile Equipment (ME)	T2
TP-010212	07.07	A090		7.6.0	R98	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	postponed	F		AT Command set for GSM Mobile Equipment (ME)	T2
TP-010206	11.13	A002		7.1.0	R98	Update API Test plan and Test Area Files	approved	F	7.2.0	Test specification for SIM API for Java card	T3
TP-010202	11.14	A202		8.7.0	R99	Addition of TIA/EIA 136 byte to terminal profile	approved	B	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010202	11.14	A203		8.7.0	R99	Alignment of 11.14 with 31.111 regarding interaction between FDN, SEND SMS and SEND SS	approved	F	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010202	11.14	A204		8.7.0	R99	Alignment with 31.111	approved	F	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010202	11.14	A205		8.7.0	R99	Corrections to OPEN CHANNEL commands	approved	F	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010202	11.14	A206		8.7.0	R99	TLV object for the APN in the OPEN CHANNEL command	approved	F	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010202	11.14	A207		8.7.0	R99	Corrections to SEND DATA commands and Channel Status Event	approved	F	8.8.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010204	21.111	006		4.0.0	Rel-4	GPRS Operator Preferences	reissued	C		USIM and IC card requirements	T3
TP-010220	21.111	006		4.0.0	Rel-4	GPRS Operator Preferences	postponed	C		USIM and IC card requirements	T3
TP-010212	21.904	009		3.3.0	R99	Corrections to References List, AMR Specifications	approved	F	3.4.0	User Equipment (UE) capability requirements	T2
TP-010193	21.904	009		3.3.0	R99	Corrections to References List, AMR Specifications	reissued	F		User Equipment (UE) capability requirements	T2
TP-010194	23.038	007		4.2.0	Rel-4	Support to UCS2 and editorial corrections	approved	F	4.3.0	Alphabets and language-specific information	T2
TP-010194	23.040	029		5.0.0	Rel-5	Hyperlink Information Element	approved	B	5.1.0	Technical realization of Short Message Service (SMS)	T2

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TP-010194	23.040	030		3.5.0	R99	Removal of EMS PID	approved	F	3.6.0	Technical realization of Short Message Service (SMS)	T2
TP-010194	23.040	031		5.0.0	Rel-5	Removal of EMS PID	approved	A	5.1.0	Technical realization of Short Message Service (SMS)	T2
TP-010194	23.040	032		4.3.0	Rel-4	Removal of EMS PID	approved	A	4.4.0	Technical realization of Short Message Service (SMS)	T2
TP-010194	23.040	033		5.0.0	Rel-5	EMS Delivery Request	approved	B	5.1.0	Technical realization of Short Message Service (SMS)	T2
TP-010201	23.048	001		4.0.0	Rel-4	Correction to APDU access mechanism in annex A	approved	F	4.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010201	23.048	002		5.0.0	Rel-5	Correction to APDU access mechanism in annex A	approved	A	5.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010201	23.048	003		4.0.0	Rel-4	USIM input and output commands for Remote File management	approved	F	4.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010201	23.048	004		5.0.0	Rel-5	USIM input and output commands for Remote File management	approved	A	5.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010201	23.048	005		4.0.0	Rel-4	Clarifications on padding and Anti Replay Counter	approved	F	4.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010201	23.048	006		5.0.0	Rel-5	Clarifications on padding and Anti Replay Counter	approved	A	5.1.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010192	23.057	086	1	4.2.0	Rel-4	Status of applications when valid RPK not available	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	092	1	4.2.0	Rel-4	Clarification of root public keys	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	093		4.2.0	Rel-4	Update to the states in the diagram D4	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	094		4.2.0	Rel-4	Clarifying Description of CCM Format	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	095		4.2.0	Rel-4	Trust Hierarchy and Administrator RPK	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	096		4.2.0	Rel-4	Implementations with Non-persistent Caching of RPKs	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010192	23.057	097		4.2.0	Rel-4	A specified certificate format for MExE	approved	F	4.3.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010194	23.140	008		4.3.0	Rel-4	Clarification of REL-4 MMS authentication	approved	F	4.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	009		4.3.0	Rel-4	MMS address hiding	approved	F	4.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	010		4.3.0	Rel-5	New Figure 5: Interworking with different MMSEs	approved	D	5.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	011		4.3.0	Rel-5	Priority field in notification message	approved	B	5.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	012		4.3.0	Rel-5	Detailed Notification	approved	B	5.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	013		4.3.0	Rel-4	Correction to MMS MM4 interface	approved	F	4.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	014		4.3.0	Rel-5	Editorial changes	approved	D	5.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

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TP-010194	23.140	015		4.3.0	Rel-4	Refinement of the reply-charging service behaviour description.	approved	F	4.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	016		4.3.0	Rel-4	Correction to MMS MM4 interface, delivery report	approved	F	4.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010194	23.140	017		4.3.0	Rel-5	Clarifications and Editorial Changes	approved	F	5.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010193	27.005	002		4.0.0	Rel-4	Conversion of GSM to 3GPP references	reissued	F		Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2
TP-010221	27.005	002	1	4.0.0	Rel-4	Conversion of GSM to 3GPP references	approved	F	4.1.0	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2
TP-010212	27.007	069		3.9.0	R99	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	postponed	A		AT command set for 3G User Equipment (UE)	T2
TP-010193	27.007	069		3.9.0	R99	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	reissued	A		AT command set for 3G User Equipment (UE)	T2
TP-010212	27.007	070		4.2.0	Rel-4	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	postponed	A		AT command set for 3G User Equipment (UE)	T2
TP-010193	27.007	070		4.2.0	Rel-4	Removal of +CGCLOSP and corrections due to IHOSS and OSP removal	reissued	A		AT command set for 3G User Equipment (UE)	T2
TP-010212	27.007	071		3.9.0	R99	Removal of +CGCLPAD and correstions due to X.25 removal	postponed	F		AT command set for 3G User Equipment (UE)	T2
TP-010193	27.007	071		3.9.0	R99	Removal of +CGCLPAD and correstions due to X.25 removal	reissued	F		AT command set for 3G User Equipment (UE)	T2
TP-010212	27.007	072		4.2.0	Rel-4	Removal of +CGCLPAD and correstions due to X.25 removal	postponed	A		AT command set for 3G User Equipment (UE)	T2
TP-010193	27.007	072		4.2.0	Rel-4	Removal of +CGCLPAD and correstions due to X.25 removal	reissued	A		AT command set for 3G User Equipment (UE)	T2
TP-010212	27.010	006		4.0.0	Rel-4	Conversion of GSM to 3GPP references	approved	F	4.1.0	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2
TP-010193	27.010	006		4.0.0	Rel-4	Conversion of GSM to 3GPP references	reissued	F		Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2
TP-010204	31.102	082		4.1.0	Rel-4	GPRS operator preferences	reissued	C		Characteristics of the USIM Application	T3
TP-010220	31.102	082		4.1.0	Rel-4	GPRS operator preferences	postponed	C		Characteristics of the USIM Application	T3
TP-010203	31.102	096		4.1.0	Rel-4	EF(EXT1): Clarification of Length Indicator for Additional Data	approved	F	4.2.0	Characteristics of the USIM Application	T3
TP-010203	31.102	098		4.1.0	Rel-4	General Corrections	approved	A	4.2.0	Characteristics of the USIM Application	T3
TP-010203	31.102	099		3.6.0	R99	General Corrections	approved	F	3.7.0	Characteristics of the USIM Application	T3
TP-010202	31.111	051		3.5.0	R99	Reservation of TIA/EIA 136 byte to terminal profile	approved	B	3.6.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	052		4.3.0	Rel-4	Reservation of TIA/EIA 136 byte to terminal profile	approved	B	4.4.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	053		3.5.0	R99	Corrections to OPEN CHANNEL commands	approved	F	3.6.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	054		4.3.0	Rel-4	Corrections to OPEN CHANNEL commands	approved	A	4.4.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	055		3.5.0	R99	TLV object for the APN in the OPEN CHANNEL command	approved	F	3.6.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	056		4.3.0	Rel-4	TLV object for the APN in the OPEN CHANNEL command	approved	A	4.4.0	USIM Application Toolkit (USAT)	T3
TP-010202	31.111	057		3.5.0	R99	Corrections to SEND DATA commands and Channel Status Event	approved	F	3.6.0	USIM Application Toolkit (USAT)	T3

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TP-010202	31.111	058		4.3.0	Rel-4	Corrections to SEND DATA commands and Channel Status Event	approved	A	4.4.0	USIM Application Toolkit (USAT)	T3
TP-010205	31.900	001		3.0.0	R99	Sharing of enabling/disabling procedure between SIM and USIM	approved	F	3.1.0	SIM/USIM internal and external interworking aspects	T3
TP-010215	34.108	048		3.4.0	R99	Correction to reference	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	048		3.4.0	R99	Correction to reference	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	049		3.4.0	R99	Editorial modification for References	approved	D	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	049		3.4.0	R99	Editorial modification for References	revised	D		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	050		3.4.0	R99	Some corrections in clause 5	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	050		3.4.0	R99	Some corrections in clause 5	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	051		3.4.0	R99	Update to Scope Statement	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	051		3.4.0	R99	Update to Scope Statement	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	052		3.4.0	R99	Clause 6.10 Definition of RB configurations, TDD parameters	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	052		3.4.0	R99	Clause 6.10 Definition of RB configurations, TDD parameters	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	053		3.4.0	R99	Updates to clause 6.1, clause 7.4 and clause 9	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	053		3.4.0	R99	Updates to clause 6.1, clause 7.4 and clause 9	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	054		3.4.0	R99	Clause 6.1: Default radio conditions for Signalling tests	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	054		3.4.0	R99	Clause 6.1: Default radio conditions for Signalling tests	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	055		3.4.0	R99	Correction of Radio Bearer Configurations for FDD Mode	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	055		3.4.0	R99	Correction of Radio Bearer Configurations for FDD Mode	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	056		3.4.0	R99	Correction of Radio Bearer Configurations for TDD Mode	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	056		3.4.0	R99	Correction of Radio Bearer Configurations for TDD Mode	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	057		3.4.0	R99	Changes to Signalling Radio Bearer (SRB) numbering	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	057		3.4.0	R99	Changes to Signalling Radio Bearer (SRB) numbering	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	058		3.4.0	R99	Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	058		3.4.0	R99	Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-010215	34.108	059		3.4.0	R99	Correction of system information block 5	approved	F	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	059		3.4.0	R99	Correction of system information block 5	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	060		3.4.0	Rel-4	Introducing of 1.28 Mcps TDD Mode in clauses 4, 5 and 6	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	060		3.4.0	Rel-4	Introducing of 1.28 Mcps TDD Mode in clauses 4, 5 and 6	approved	B	4.0.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	061		3.4.0	Rel-4	Introduction of System Information Blocks for 1.28 Mcps TDD Mode	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	061		3.4.0	Rel-4	Introduction of System Information Blocks for 1.28 Mcps TDD Mode	approved	B	4.0.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	062		3.4.0	Rel-4	Introduction of typical radio parameters for 1.28 McpsTDD	approved	B	4.0.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	062		3.4.0	Rel-4	Introduction of typical radio parameters for 1.28 McpsTDD	revised	F		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010215	34.108	063		3.4.0	R99	Clause 6.11 RBs for RLC and PDCP testing	approved	B	3.5.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010183	34.108	063		3.4.0	R99	Clause 6.11 RBs for RLC and PDCP testing	revised	B		Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010184	34.121	098		3.5.0	R99	Annex F Measurement uncertainty	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	099		3.5.0	R99	RX Spurious emissions	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	100		3.5.0	R99	Structure of RRM test cases	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	101		3.5.0	R99	Clause 8.2, Idle mode cell reselection delay tests	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	102		3.5.0	R99	Proposal for measuring method of Random Access	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	103		3.5.0	R99	Modification to OCNS code channels to allow for 384 kbps allocation	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	104		3.5.0	R99	Clarification of AWGN definition	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	105		3.5.0	R99	Correction to test for inner loop power control in the uplink (FDD)	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	106		3.5.0	R99	Core specification change for uplink inner loop power control	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	107		3.5.0	R99	Power Control mode in downlink	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	108		3.5.0	R99	Correction of frequency range for receiver spurious emission requirements	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	109		3.5.0	R99	Test numbering of multi-path fading propagation tests	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010184	34.121	110		3.5.0	R99	Measurement of the ON/OFF power during the PRACH preamble	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010185	34.122	036		3.4.0	R99	Replacement of Conformance requirements by Minimum requirements	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-010185	34.122	037		3.4.0	R99	Deletion of the test: Demodulation of BCH in Block STTD mode	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	038		3.4.0	R99	Test conditions	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	039		3.4.0	R99	Completion of test procedures & test system uncertainties	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	040		3.4.0	R99	Maximum Test System Uncertainty for transmitter tests	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	041		3.4.0	R99	Correction of Out-of-synchronisation test	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	042		3.4.0	R99	UE power classes	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	043		3.4.0	R99	Correction of frequency range for receiver spurious emission requirements	approved	F	3.5.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	044		4.0.0	Rel-4	Inclusion of Open Loop Power Control, 1.28 McpsTDD	approved	F	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	045		4.0.0	Rel-4	Inclusion of TDD/TDD Cell Reselection on intra-frequency cells, 1.28 Mcps TDD	approved	F	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	046		4.0.0	Rel-4	Deletion of the test: Demodulation of BCH in Block STTD mode (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	047		4.0.0	Rel-4	Test conditions (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	048		4.0.0	Rel-4	Completion of test procedures & test system uncertainties (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	049		4.0.0	Rel-4	Maximum Test System Uncertainty for transmitter tests (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	050		4.0.0	Rel-4	Correction of Out-of-synchronisation test (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010185	34.122	051		4.0.0	Rel-4	Correction of frequency range for receiver spurious emission requirements (Rel4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010186	34.123-1	080		3.4.0	R99	Parameters update and Editorial corrections in clauses 7.2.3.1, 7.2.3.2.1, 7.2.3.23, 7.2.3.24	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	081		3.4.0	R99	Corrections to Clause 13 General Tests	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	082		3.4.0	R99	Modification in "Method of Test" for RBS test cases in Clause 14	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	083		3.4.0	R99	Editorial modification for References	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	084		3.4.0	R99	Clause 7.3, PDCP tests	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	085		3.4.0	R99	Idle mode: Merge of T1S-010180 and 188	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-010186	34.123-1	086		3.4.0	R99	clause 7.4 BMC: editorial correction	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	087		3.4.0	R99	Clause 7.1, MAC test cases	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	088		3.4.0	R99	Corrections to RLC test case 7.2.2.2	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	089		3.4.0	R99	Corrections to RLC test case 7.2.2.3	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	090		3.4.0	R99	Corrections to RLC test case 7.2.2.8	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	091		3.4.0	R99	Corrections to RLC test case 7.2.2.10	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	092		3.4.0	R99	Corrections to RLC test case 7.2.2.9	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	093		3.4.0	R99	Corrections to RLC test case 7.2.2.12	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	094		3.4.0	R99	Corrections to RLC test case 7.2.2.29	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	095		3.4.0	R99	Corrections to RLC test case 7.2.2.30	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	096		3.4.0	R99	Corrections to RLC test case 7.2.2.33	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	097		3.4.0	R99	Corrections to RLC test case 7.2.2.34	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	098		3.4.0	R99	Updates to clause 8 and Annex A	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	099		3.4.0	R99	RRC tests (section 8)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	100		3.4.0	R99	InterSystemHandover tests (section 8.3.7)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	101		3.4.0	R99	Update on Mobility Management	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-010186	34.123-1	102		3.4.0	R99	Addition of a SM test case for UE in GSM	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	103		3.4.0	R99	Clause 12 "Elementary procedure for Packet Switched Mobility Management"(GMM)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	104		3.4.0	R99	Update of radio bearer test cases	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	105		3.4.0	R99	SMS test specification	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	106		3.4.0	Rel-4	RACH Test Procedures for 1.28 Mcps TDD (Rel-4)	approved	F	4.0.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	107		3.4.0	R99	Corrections to RLC test case 7.2.2.14	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	108		3.4.0	R99	Corrections to RLC test case 7.2.2.7 and 7.2.2.13	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	109		3.4.0	R99	RLC acknowledge mode test cases 7.2.3.14 and 7.2.3.34	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010186	34.123-1	110		3.4.0	Rel-4	Merging of Rel4 and R99 protocol test specifications	approved	F	4.0.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010188	34.123-1	111		3.4.0	R99	Inclusion of pointer to maintained specification	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010189	34.123-1	112		3.4.0	R99	Update of Annex B	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010187	34.123-2	024		3.4.0	R99	Applicability for PDCP and BMC	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	025		3.4.0	R99	Update on Mobility Management	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	026		3.4.0	R99	Idle mode applicability: Merge of 202 and 204	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	027		3.4.0	R99	Addition of a SM test case for UE in GSM	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	028		3.4.0	R99	Update to GMM ICS	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

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TP-010187	34.123-2	029		3.4.0	R99	Update of applicability of radio bearer test cases	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	030		3.4.0	R99	Update to SMS applicability	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	031		3.4.0	Rel-4	Update of Table of aplicability tests of RACH test cases in TS34.123-2 to 1.28 Mcps TDD mode (Rel4)	approved	B	4.0.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	032		3.4.0	R99	Editorial modification for References	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	033		3.4.0	Rel-4	Merging of Rel4 and R99 protocol test specifications	approved	F	4.0.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010187	34.123-2	034		3.4.0	R99	Inclusion of pointer to maintained specification	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010204	42.017	001		4.0.0	Rel-4	GPRS operator preferences	reissued	C		Subscriber Identity Modules, Functional Characteristics	T3
TP-010220	42.017	001		4.0.0	Rel-4	GPRS operator preferences	postponed	C		Subscriber Identity Modules, Functional Characteristics	T3
TP-010204	51.011	001		4.1.0	Rel-4	GPRS Operator Preferences	reissued	C		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010220	51.011	001		4.1.0	Rel-4	GPRS Operator Preferences	postponed	C		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010203	51.011	003		4.1.0	Rel-4	EF(EXT1): Clarification of Length Indicator for Additional Data	approved	F	4.2.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

F.1 Status of CRs presented to GERAN meeting #06

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
GP-011564	03.64	A080			R97	Introduction of DCCM-A	Withdrawn	F		Overall description of the GPRS radio interface; Stage 2	1
GP-011565	03.64	A081			R98	Introduction of DCCM-A	Withdrawn	A		Overall description of the GPRS radio interface; Stage 2	1
GP-011566	03.64	A082			R99	Introduction of DCCM-A	Withdrawn	A		Overall description of the GPRS radio interface; Stage 2	1
GP-011568	04.08	A756	1	6.12.0	R97	Introduction of DCCM-A (R97)	Withdrawn	B		Mobile radio interface layer 3 specification	G2
GP-011569	04.08	A758		7.13.0	R98	Introduction of DCCM-A (R98)	Withdrawn	B		Mobile radio interface layer 3 specification	G2
GP-011570	04.08	A760		8.0.0	R99	Introduction of DCCM-A (R99)	Withdrawn	B		Mobile radio interface layer 3 specification	G2
GP-011895	04.08	A762		7.13.0	R98	Removal of IEI explicit value in the BA List Pref information element description (R98)	Approved	F	7.14.0	Mobile radio interface layer 3 specification	G2
GP-011922	04.08	A764		7.13.0	R98	Clarification of "inconsistent" MultiRate configuration IE (R98)	Approved	F	7.14.0	Mobile radio interface layer 3 specification	G2
GP-011750	04.18	A208		8.10.0	R99	Introduction of UTRAN blind search from the SI2 quater (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011844	04.18	A208	1	8.10.0	R99	Introduction of UTRAN blind search from the SI2 quater (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011938	04.18	A208	2	8.10.0	R99	Introduction of UTRAN blind search from the SI2 quater (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011647	04.18	A211		8.10.0	R99	SI2ter parameters truncation (R99)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011635	04.18	A212		8.10.0	R99	Error in the introduction of CR A199 (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011551	04.18	A213		8.10.0	R99	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports (R99)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011756	04.18	A215		8.10.0	R99	Removal of IEI explicit value in the UTRAN Frequency list information element description (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011759	04.18	A216		8.10.0	R99	Alignments and Clarifications (e.g. for equivalent PLMNs) (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011852	04.18	A216	1	8.10.0	R99	Alignments and Clarifications (e.g. for equivalent PLMNs) (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011762	04.18	A217		8.10.0	R99	Correction of information in the UTRAN Classmark Change message (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011856	04.18	A217	1	8.10.0	R99	Correction of information in the UTRAN Classmark Change message (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011954	04.18	A217	2	8.10.0	R99	Correction of information in the UTRAN Classmark Change message (R99)	Postponed	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011765	04.18	A218		8.10.0	R99	Correction to the Classmark Interrogation procedure for UTRAN (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011768	04.18	A219		8.10.0	R99	Correction of the number of fields included in the UTRAN Classmark Change message (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011617	04.18	A220		8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011821	04.18	A220	1	8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2

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GP-011859	04.18	A220	2	8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011848	04.18	A221		8.10.0	R99	(withdrawn)	Withdrawn			Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011849	04.18	A222		8.10.0	R99	(withdrawn)	Withdrawn			Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011896	04.18	A223		8.10.0	R99	Removal of IEI explicit value in the BA List Pref information element description (R99)	Approved	A	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011923	04.18	A224		8.10.0	R99	Clarification of "inconsistent" MultiRate configuration IE (R99)	Approved	A	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011930	04.18	A225		8.10.0	R99	Introduction of the band indicator field in SI6 (R99)	Approved	F	8.11.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011515	04.31	A042		7.6.0	R98	Correction of faulty ephemeris definitions (R98)	Approved	F	7.7.0	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011516	04.31	A043		8.5.0	R99	Correction of faulty ephemeris definitions (R99)	Approved	A	8.6.0	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011512	04.31	A044		7.6.0	R98	Correction of various A-GPS faults (R98)		F		Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011885	04.31	A044	1	7.6.0	R98	Correction of various A-GPS faults (R98)		F		Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011929	04.31	A044	2	7.6.0	R98	Correction of various A-GPS faults (R98)	Approved	F	7.7.0	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011513	04.31	A045		8.5.0	R99	Correction of various A-GPS faults (R99)		A		Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011886	04.31	A045	1	8.5.0	R99	Correction of various A-GPS faults (R99)		A		Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011933	04.31	A045	2	8.5.0	R99	Correction of various A-GPS faults (R99)	Approved	F	8.6.0	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
GP-011753	04.60	B018	2	8.10.0	R99	Clarification to LCC PDU Length Indicator (R99)	Withdrawn	F		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-011841	04.60	B018	3	8.10.0	R99	LLC PDU Length Indicator (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011576	04.60	B022	1	6.12.0	R97	Introduction of DCCM-A (R97)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011752	04.60	B024	1	8.10.0	R99	Introduction of the BAND_INDICATOR field in PSI1 (R99)		F		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011936	04.60	B024	2	8.10.0	R99	Introduction of the BAND_INDICATOR field in PSI1 (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011717	04.60	B025		8.10.0	R99	Correction to definition of consistent sets of system information messages (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011601	04.60	B026		8.10.0	R99	DCCM: PSI Encapsulation (R99)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011577	04.60	B027		7.8.0	R98	Introduction of DCCM-A (R98)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011600	04.60	B028		7.8.0	R98	DCCM: PSI Encapsulation (R98)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011599	04.60	B029		6.12.0	R97	DCCM: PSI Encapsulation (R97)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-011578	04.60	B030		8.10.0	R99	Introduction of DCCM-A (R99)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011620	04.60	B031		8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)		F		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011824	04.60	B031	1	8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)		F		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011882	04.60	B031	2	8.10.0	R99	Clarification of the Index_Start_3G parameter (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011771	04.60	B032		8.10.0	R99	GPRS Real Time Difference update : text alignment (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011836	04.60	B033		8.10.0	R99	Clarification on Access Persistence Control for EGPRS PACKET CHANNEL REQUEST (R99)		F		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011951	04.60	B033	1	8.10.0	R99	Clarification on Access Persistence Control for EGPRS PACKET CHANNEL REQUEST (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011839	04.60	B034		8.10.0	R99	Packet Access Reject during downlink TBF (R99)	Approved	F	8.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011682	04.71	A010		8.1.0	R99	Alignment of message type to 24.007 (Rel 99)	Withdrawn	F		Location Services (LCS); Mobile radio interface layer 3 specification	G2
GP-011587	05.02	A180			R97	Introduction of DCCM-A	Withdrawn	F		Multiplexing and Multiple Access on the Radio Path	1
GP-011588	05.02	A181			R98	Introduction of DCCM-A	Withdrawn	A		Multiplexing and Multiple Access on the Radio Path	1
GP-011589	05.02	A182			R99	Introduction of DCCM-A	Withdrawn	A		Multiplexing and Multiple Access on the Radio Path	1

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GP-011605	05.02	A183			R97	Correction of notes in table 6	Rejected	F		Multiplexing and Multiple Access on the Radio Path	1
GP-011606	05.02	A184		8.9.0	R99	Multislot configurations for 8-PSK	Approved	F	8.10.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011781	05.02	A185		4.10.1	2	Hopping sequence corrections	Approved	F	4.11.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011782	05.02	A186		5.9.0	R96	Hopping sequence corrections	Approved	A	5.10.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011783	05.02	A187		6.9.2	R97	Hopping sequence corrections	Approved	A	6.10.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011784	05.02	A188		7.6.2	R98	Hopping sequence corrections	Approved	A	7.7.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011785	05.02	A189		8.9.0	R99	Hopping sequence corrections	Approved	A	8.10.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011479	05.05	A193			R98	Correction to 05.05 – Incorrect references in section H.2.2.2	Revised	F		Radio Transmission and Reception	1
GP-011907	05.05	A193	1	7.5.0	R98	Correction to 05.05 – Incorrect references in section H.2.2.2	Approved	F	7.6.0	Radio Transmission and Reception	1
GP-011480	05.05	A194			R99	Correction to 05.05 – Incorrect references in section H.2.2.2	Revised	A		Radio Transmission and Reception	1
GP-011908	05.05	A194	1	8.10.0	R99	Correction to 05.05 – Incorrect references in section H.2.2.2	Approved	A	8.11.0	Radio Transmission and Reception	1
GP-011534	05.05	A197			R98	Corrections for clarification regarding PCS 1900 MS requirements on spurious emissions	Revised	F		Radio Transmission and Reception	1
GP-011906	05.05	A197	1	7.5.0	R98	Corrections for clarification regarding PCS 1900 MS requirements on spurious emissions	Approved	F	7.6.0	Radio Transmission and Reception	1
GP-011535	05.05	A198		8.10.0	R99	Corrections for clarification regarding GSM 850 MS and PCS 1900 MS requirements on spurious emissions	Approved	A	8.11.0	Radio Transmission and Reception	1
GP-011559	05.05	A199			R97	Transmitted power vs. time" - mask alignment for PCS 1900 MS	Withdrawn	F		Radio Transmission and Reception	1
GP-011560	05.05	A200			R98	Transmitted power vs. time" - mask alignment for PCS 1900 MS	Withdrawn	A		Radio Transmission and Reception	1
GP-011561	05.05	A201			R99	Transmitted power vs. time" - mask alignment for PCS 1900 MS	Withdrawn	A		Radio Transmission and Reception	1
GP-011623	05.05	A202			R99	Transmitted power level versus time	Rejected	F		Radio Transmission and Reception	1
GP-011942	05.05	A203		8.10.0	R99	Alignment to 04.18 for the definition of the BAND_INDICATOR field	Approved	F	8.11.0	Radio Transmission and Reception	1
GP-011554	05.08	A326			R99	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports	Rejected	F		Radio Subsystem Link Control	1
GP-011592	05.08	A327			R97	Introduction of DCCM-A	Withdrawn	F		Radio Subsystem Link Control	1
GP-011593	05.08	A328			R98	Introduction of DCCM-A	Withdrawn	A		Radio Subsystem Link Control	1
GP-011594	05.08	A329			R99	Introduction of DCCM-A	Withdrawn	A		Radio Subsystem Link Control	1
GP-011609	05.08	A330			R99	Correction to Predefined Configurations	Revised	F		Radio Subsystem Link Control	1
GP-011861	05.08	A330	1	8.10.0	R99	Correction to Predefined Configurations	Approved	F	8.11.0	Radio Subsystem Link Control	1
GP-011626	05.08	A331			R99	The R.M.S. received level at the receiver input	Rejected	F		Radio Subsystem Link Control	1
GP-011638	05.08	A332			R99	3G reselection: suitable cell and amount to monitor	Revised	F		Radio Subsystem Link Control	1

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GP-011864	05.08	A332	1	8.10.0	R99	Clarification of the monitored GPRS control channels during GPRS attachment	Approved	F	8.11.0	Radio Subsystem Link Control	1
GP-011644	05.08	A333			R99	Inter-PLMN network controlled cell reselection to 3G networks	Withdrawn	F		Radio Subsystem Link Control	1
GP-011523	05.08	A334		7.6.1	R98	RXQUAL_SUB and RXLEV_SUB with AMR-NB	Approved	F	7.7.0	Radio Subsystem Link Control	1
GP-011524	05.08	A335		8.10.0	R99	RXQUAL_SUB and RXLEV_SUB with AMR-NB	Approved	A	8.11.0	Radio Subsystem Link Control	1
GP-011527	05.09	A020			R98	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	F		Link adaptation	1
GP-011901	05.09	A020	1		R98	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	F		Link adaptation	1
GP-011945	05.09	A020	2	7.5.0	R98	RATSCCH protocol: repetition of REQ messages and other corrections	Approved	F	7.6.0	Link adaptation	1
GP-011528	05.09	A021			R99	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011922	05.09	A021	1		R99	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011946	05.09	A021	2	8.3.0	R99	RATSCCH protocol: repetition of REQ messages and other corrections	Approved	A	8.4.0	Link adaptation	1
GP-011718	08.08	A238	2	8.9.0	R99	Kc over MAP/E interface to 3G_MSC-B (R99)	Approved	F	8.10.0	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011712	08.08	A239	5	8.9.0	R99	Layer 3 Information - RRC Container (R99)	Postponed	A		Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011580	08.18	A130	1	6.8.0	R97	Introduction of DCCM-A (R97)	Withdrawn	B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011539	08.18	A132		8.8.0	R99	Clarification of Packet Flow Timer (R99)	Approved	F	8.9.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011581	08.18	A133		7.5.0	R98	Introduction of DCCM-A (R98)	Withdrawn	B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011582	08.18	A134		8.8.0	R99	Introduction of DCCM-A (R99)	Withdrawn	B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011795	08.18	A135		8.8.0	R99	BVC-RESET in case of SGSN / Gb failures (R99)		F		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011633	08.71	A012		8.2.0	R99	Addition of a missing cause value in BSSLAP for segmentation errors (R99)	Approved	A	8.3.0	Location services (LCS) SMLC-BSS interface L 3	G2
GP-011632	08.71	A013		7.4.0	R98	Addition of a missing cause value in BSSLAP for segmentation errors (R98)	Approved	F	7.5.0	Location services (LCS) SMLC-BSS interface L 3	G2

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GP-011629	09.31	A024		7.4.0	R98	Correction of Location Type IE length in BSSMAP-LE PERFORM LOCATION REQUEST message (R98)	Approved	F	7.5.0	Location Services LCS Extension (BSSAP-LE)	G2
GP-011630	09.31	A025		8.3.0	R99	Correction of Location Type IE length in BSSMAP-LE PERFORM LOCATION REQUEST message (R99)	Approved	A	8.4.0	Location Services LCS Extension (BSSAP-LE)	G2
GP-011472	11.10-1	A1000		7.2.0	R98	Inclusion of pointer to the maintained specification	approved	F	7.3.0	Mobile station (MS) conformance specification; Part1: Conformance specification	G4
GP-011473	11.10-1	A1001		8.2.0	R99	Inclusion of pointer to the maintained specification	approved	F	8.3.0	Mobile station (MS) conformance specification; Part1: Conformance specification	G4
GP-011469	11.10-1	A997		4.28.0	2	Inclusion of pointer to the maintained specification	approved	F	4.29.0	Mobile station (MS) conformance specification; Part1: Conformance specification	G4
GP-011470	11.10-1	A998		5.11.0	R96	Inclusion of pointer to the maintained specification	approved	F	5.12.0	Mobile station (MS) conformance specification; Part1: Conformance specification	G4
GP-011471	11.10-1	A999		6.3.0	R97	Inclusion of pointer to the maintained specification	approved	F	6.4.0	Mobile station (MS) conformance specification; Part1: Conformance specification	G4
GP-011474	11.10-2	A047		4.15.0	2	Inclusion of pointer to the maintained specification	approved	F	4.16.0	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011475	11.10-3	C484		4.33.0	2	Inclusion of pointer to the maintained specification	approved	F	4.34.0	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-011476	11.10-3	C485		5.0.1	R96	Inclusion of pointer to the maintained specification	approved	F	5.1.0	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-011468	11.10-4	A005		5.3.0	R96	Correction of wrong coding for SIM Application Toolkit 27.22	approved	F	5.4.0	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	G4
GP-011678	43.051	030		5.2.0	Rel-5	Alignment with Physical Channel Definition in 45.002	Approved	D	5.3.0	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	1
GP-011680	43.051	031			Rel-5	Enhanced Frequency Hopping in GERAN	Postponed	B		GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	1
GP-011744	43.051	032			Rel-5	Alignment with physical channel definition in 45.002	Postponed	D		GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	1
GP-011456	43.059	008			Rel-5	LCS Stage 2 updates for Iu	Withdrawn	B		Functional stage 2 description of Location Services (LCS) in GERAN	1
GP-011457	43.059	009			Rel-5	Lb over Ip	Withdrawn	B		Functional stage 2 description of Location Services (LCS) in GERAN	1
GP-011521	43.059	010			Rel-4	Correct Faulty References to the BSSAP-LE Specification	Revised	F		Functional stage 2 description of Location Services (LCS) in GERAN	1
GP-011888	43.059	010	1		Rel-4	Correct Faulty References to the BSSAP-LE Specification	Revised	F		Functional stage 2 description of Location Services (LCS) in GERAN	1
GP-011935	43.059	010	2	4.1.0	Rel-4	Correct Faulty References to the BSSAP-LE Specification	Approved	F	4.2.0	Functional stage 2 description of Location Services (LCS) in GERAN	1

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GP-011905	43.059	011		4.1.0	Rel-5	Update of GERAN LCS Stage 2 for Release 5	Approved	B	5.0.0	Functional stage 2 description of Location Services (LCS) in GERAN	1
GP-011567	43.064	003			Rel-4	Introduction of DCCM-A	Withdrawn	F		Overall description of the GPRS radio interface; Stage 2	1
GP-011675	44.004	002		4.0.0	Rel-4	Introduction of Enhanced Power Control	Approved	B	4.1.0	Layer 1 - General Requirements	G2
GP-011698	44.018	044	1	5.1.0	Rel-5	Clarification of "inconsistent" MultiRate configuration IE (Rel 5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011900	44.018	044	2	5.1.0	Rel-5	Clarification of "inconsistent" MultiRate configuration IE (Rel 5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011751	44.018	063		4.5.0	Rel-4	Introduction of UTRAN blind search from the SI2 quater (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011845	44.018	063	1	4.5.0	Rel-4	Introduction of UTRAN blind search from the SI2 quater (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011939	44.018	063	2	4.5.0	Rel-4	Introduction of UTRAN blind search from the SI2 quater (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011746	44.018	064		5.1.0	Rel-5	Introduction of UTRAN blind search from the SI2 quater (Rel-5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011846	44.018	064	1	5.1.0	Rel-5	Introduction of UTRAN blind search from the SI2 quater (Rel-5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011940	44.018	064	2	5.1.0	Rel-5	Introduction of UTRAN blind search from the SI2 quater (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011636	44.018	071		4.5.0	Rel-4	Error in the introduction of CR A199 (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011549	44.018	072		5.1.0	Rel-5	Clarification of Index_Start_3G (Rel-5)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011648	44.018	073		4.5.0	Rel-4	SI2ter parameters truncation (Rel-4)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011649	44.018	074		5.1.0	Rel-5	SI2ter parameters truncation (Rel-5)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011637	44.018	075		5.1.0	Rel-5	Error in the introduction of CR A199 (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011571	44.018	076		4.5.0	Rel-4	Introduction of DCCM-A (Rel 4)	Withdrawn	B		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011674	44.018	078		5.1.0	Rel-5	Introduction of Enhanced Power Control		B		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011884	44.018	078	1	5.1.0	Rel-5	Introduction of enhanced power control (Rel-5)		B		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011950	44.018	078	2	5.1.0	Rel-5	Introduction of enhanced power control (Rel-5)	Approved	B	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011572	44.018	079		5.1.0	Rel-5	Introduction of DCCM-A (Rel-5)	Withdrawn	B		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011553	44.018	080		5.1.0	Rel-5	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports (Rel-5)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011552	44.018	081		4.5.0	Rel-4	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports (Rel-4)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011618	44.018	082		4.5.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2

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GP-011822	44.018	082	1	4.5.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011860	44.018	082	2	4.5.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel 4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011520	44.018	083		5.1.0	Rel-5	Introduction of LCS for GPRS to RR (Rel-5)		B		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011881	44.018	083	1	5.1.0	Rel-5	Introduction of LCS for GPRS to RR (Rel-5)	Approved	B	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011757	44.018	084		4.5.0	Rel-4	Removal of IEI explicit value in the UTRAN Frequency list information element description (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011758	44.018	085		5.1.0	Rel-5	Removal of IEI explicit value in the UTRAN Frequency list information element description (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011760	44.018	086		4.5.0	Rel-4	Alignments and Clarifications (e.g. for equivalent PLMNs) (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011853	44.018	086	1	4.5.0	Rel-4	Alignments and Clarifications (e.g. for equivalent PLMNs) (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011761	44.018	087		5.1.0	Rel-5	Alignments and Clarifications (e.g. for equivalent PLMNs) (Rel-5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011854	44.018	087	1	5.1.0	Rel-5	Alignments and Clarifications (e.g. for equivalent PLMNs) (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011763	44.018	088		4.5.0	Rel-4	Correction of information in the UTRAN Classmark Change message (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011857	44.018	088	1	4.5.0	Rel-4	Correction of information in the UTRAN Classmark Change message (Rel-4)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011955	44.018	088	2	4.5.0	Rel-4	Correction of information in the UTRAN Classmark Change message (Rel-4)	Postponed	A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011764	44.018	089		5.1.0	Rel-5	Correction of information in the UTRAN Classmark Change message (Rel-5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011858	44.018	089	1	5.1.0	Rel-5	Correction of information in the UTRAN Classmark Change message (Rel-5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011956	44.018	089	2	5.1.0	Rel-5	Correction of information in the UTRAN Classmark Change message (Rel-5)	Postponed	A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011766	44.018	090		4.5.0	Rel-4	Correction to the Classmark Interrogation procedure for UTRAN (Rel-4)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011767	44.018	091		5.1.0	Rel-5	Correction to the Classmark Interrogation procedure for UTRAN (Rel-5)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011769	44.018	092		4.5.0	Rel-4	Correction of the number of fields included in the UTRAN Classmark Change message (Rel-4)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011770	44.018	093		5.1.0	Rel-5	Correction of the number of fields included in the UTRAN Classmark Change message (Rel-5)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011618	44.018	094		4.5.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel 4)		F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011619	44.018	095		5.1.0	Rel-5	Clarification of the Index_Start_3G parameter (Rel 5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011823	44.018	095	1	5.1.0	Rel-5	Clarification of the Index_Start_3G parameter (Rel 5)		A		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011873	44.018	095	2	5.1.0	Rel-5	Clarification of the Index_Start_3G parameter (Rel 5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2

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GP-011549	44.018	096		5.1.0	Rel-5	Clarification of Index_Start_3G (Rel 5)	Withdrawn	F		Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011850	44.018	097				(withdrawn)	Withdrawn			Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011851	44.018	098				(withdrawn)	Withdrawn			Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011897	44.018	099		4.5.0	Rel-4	Removal of IEI explicit value in the BA List Pref information element description (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011898	44.018	100		5.1.0	Rel-5	Removal of IEI explicit value in the BA List Pref information element description (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011924	44.018	101		4.5.0	Rel-4	Clarification of "inconsistent" MultiRate configuration IE (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011931	44.018	102		4.5.0	Rel-4	Introduction of the band indicator field in SI6 (Rel-4)	Approved	A	4.6.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011932	44.018	103		5.1.0	Rel-5	Introduction of the band indicator field in SI6 (Rel-5)	Approved	A	5.2.0	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
GP-011519	44.031	008		5.1.0	Rel-5	Introduction of LCS for GPRS to RRLP (Rel-5)		B		Location Services LCS RR LCS Protocol	G2
GP-011880	44.031	008	1	4.1.0	Rel-5	Introduction of LCS for GPRS to RRLP (Rel-5)	Approved	B	5.0.0	Location Services LCS RR LCS Protocol	G2
GP-011514	44.031	009		4.1.0	Rel-4	Correction of various A-GPS faults (Rel-4)		F		Location Services LCS RR LCS Protocol	G2
GP-011887	44.031	009	1	4.1.0	Rel-4	Correction of various A-GPS faults (Rel-4)		A		Location Services LCS RR LCS Protocol	G2
GP-011934	44.031	009	2	4.1.0	Rel-4	Correction of various A-GPS faults (Rel-4)	Approved	A	4.2.0	Location Services LCS RR LCS Protocol	G2
GP-011517	44.031	010		4.1.0	Rel-4	Correction of faulty ephemeris definitions (Rel-4)	Approved	A	4.2.0	Location Services LCS RR LCS Protocol	G2
GP-011690	44.060	029		5.1.0	Rel-5	Introduction of GERAN (Rel-5)		B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011729	44.060	029	1	5.1.0	Rel-5	Introduction of GERAN (Rel-5)	Postponed	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011614	44.060	044	2	4.2.0	Rel-4	LLC PDU Length Indicator in EGPRS (Rel 4)		A		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011842	44.060	044	3	4.2.0	Rel-4	LLC PDU Length Indicator in EGPRS (Rel 4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011742	44.060	045		5.1.0	Rel-5	Section 7 update (Rel-5)	Withdrawn	D		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-011745	44.060	052	1	4.2.0	Rel-4	Introduction of the BAND_INDICATOR field in PSI1 (Rel-4)		A		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011937	44.060	052	2	4.2.0	Rel-4	Introduction of the BAND_INDICATOR field in PSI1 (Rel-4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011705	44.060	053	2	4.2.0	Rel-4	Correction to PACKET SI STATUS (Rel-4)	Approved	F	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011602	44.060	054		4.2.0	Rel-4	DCCM: PSI Encapsulation (Rel 4)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011579	44.060	055		4.2.0	Rel-4	Introduction of DCCM-A (Rel-4)	Withdrawn	B		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011621	44.060	056		4.2.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel-4)		A		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011825	44.060	056	1	4.2.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel 4)		A		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011883	44.060	056	2	4.2.0	Rel-4	Clarification of the Index_Start_3G parameter (Rel 4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011543	44.060	057		5.1.0	Rel-5	Section 7 update (Rel-5)	Postponed	D		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-011772	44.060	058		4.2.0	Rel-4	GPRS Real Time Difference update : text alignment (Rel-4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011837	44.060	059		4.2.0	Rel-4	Clarification on Access Persistence Control for EGPRS PACKET CHANNEL REQUEST (Rel-4)		A		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011952	44.060	059	1	4.2.0	Rel-4	Clarification on Access Persistence Control for EGPRS PACKET CHANNEL REQUEST (Rel-4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011840	44.060	060		4.2.0	Rel-4	Packet Access Reject during downlink TBF (Rel-4)	Approved	A	4.3.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-011522	44.071	004		4.0.0	Rel-4	Alignment of message type to 24.007 (Rel-4)	Withdrawn	F		Location services (LCS) stage 3	G2
GP-011776	45.001	003			Rel-5	Introduction of EPC channels	Revised	B		Physical Layer on the Radio Path (General Description)	1
GP-011917	45.001	003	1	5.0.0	Rel-5	Introduction of EPC channels	Approved	B	5.1.0	Physical Layer on the Radio Path (General Description)	1
GP-011590	45.002	018			Rel-4	Introduction of DCCM-A	Withdrawn	A		Multiplexing and Multiple Access on the Radio Path	1
GP-011591	45.002	019			Rel-5	Introduction of DCCM-A	Withdrawn	A		Multiplexing and Multiple Access on the Radio Path	1
GP-011777	45.002	020			Rel-5	Introduction of EPC channels	Revised	B		Multiplexing and Multiple Access on the Radio Path	1
GP-011918	45.002	020	1	5.1.0	Rel-5	Introduction of EPC channels	Approved	B	5.2.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011786	45.002	021		4.3.0	Rel-4	Hopping sequence corrections	Approved	A	4.4.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011787	45.002	022		5.1.0	Rel-5	Hopping sequence corrections	Approved	A	5.2.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011607	45.002	027		4.3.0	Rel-4	Multislot configurations for 8-PSK	Approved	A	4.4.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011608	45.002	028		5.1.0	Rel-5	Multislot configurations for 8-PSK	Approved	A	5.2.0	Multiplexing and Multiple Access on the Radio Path	1
GP-011679	45.003	006			Rel-5	Editorial changes due to the introduction of 8-PSK HR	Revised	F		Channel coding	1
GP-011919	45.003	006	1	5.1.0	Rel-5	Editorial changes due to the introduction of 8-PSK HR	Approved	F	5.2.0	Channel coding	1
GP-011778	45.003	007		5.1.0	Rel-5	Channel coding for O-FACCH/H	Approved	B	5.2.0	Channel coding	1
GP-011779	45.003	008		5.1.0	Rel-5	AMR signalling frames for O-TCH/AHS	Approved	B	5.2.0	Channel coding	1
GP-011481	45.005	023			Rel-4	Correction to 05.05 – Incorrect references in section H.2.2.2	Revised	A		Radio transmission and reception	1

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GP-011909	45.005	023	1	4.4.0	Rel-4	Correction to 05.05 – Incorrect references in section H.2.2.2	Approved	A	4.5.0	Radio transmission and reception	1
GP-011482	45.005	024			Rel-5	Correction to 05.05 – Incorrect references in section H.2.2.2	Revised	A		Radio transmission and reception	1
GP-011910	45.005	024	1	5.0.0	Rel-5	Correction to 05.05 – Incorrect references in section H.2.2.2	Approved	A	5.1.0	Radio transmission and reception	1
GP-011536	45.005	025		4.4.0	Rel-4	Corrections for clarification regarding GSM 700 MS, GSM 850 MS and PCS 1900 MS requirements on spurious emissions	Approved	A	4.5.0	Radio transmission and reception	1
GP-011537	45.005	026		5.0.0	Rel-5	Corrections for clarification regarding GSM 700 MS, GSM 850 MS and PCS 1900 MS requirements on spurious emissions	Approved	A	5.1.0	Radio transmission and reception	1
GP-011624	45.005	029			Rel-4	Transmitted power level versus time	Rejected	F		Radio transmission and reception	1
GP-011625	45.005	030			Rel-5	Transmitted power level versus time	Rejected	A		Radio transmission and reception	1
GP-011943	45.005	031		4.4.0	Rel-4	Alignment to 04.18 for the definition of the BAND_INDICATOR field	Approved	A	4.5.0	Radio transmission and reception	1
GP-011944	45.005	032		5.0.0	Rel-5	Alignment to 04.18 for the definition of the BAND_INDICATOR field	Approved	A	5.1.0	Radio transmission and reception	1
GP-011562	45.005	047			Rel-4	Transmitted power vs. time" - mask alignment for PCS 1900 MS	Withdrawn	A		Radio transmission and reception	1
GP-011563	45.005	048			Rel-5	Transmitted power vs. time" - mask alignment for PCS 1900 MS	Withdrawn	A		Radio transmission and reception	1
GP-011525	45.008	043		4.4.0	Rel-4	RXQUAL_SUB and RXLEV_SUB with AMR-NB	Approved	A	4.5.0	Radio subsystem link control	1
GP-011526	45.008	044		5.2.0	Rel-5	RXQUAL_SUB and RXLEV_SUB with AMR-NB	Approved	A	5.3.0	Radio subsystem link control	1
GP-011555	45.008	045			Rel-4	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports	Rejected	F		Radio subsystem link control	1
GP-011556	45.008	046			Rel-5	Replacement of RXQUAL_FULL by RXQUAL_VAL in Enhanced Measurement Reports	Rejected	A		Radio subsystem link control	1
GP-011545	45.008	049			Rel-4	Introduction of DCCM-A	Withdrawn	A		Radio subsystem link control	1
GP-011596	45.008	050			Rel-5	Introduction of DCCM-A	Withdrawn	A		Radio subsystem link control	1
GP-011610	45.008	051			Rel-4	Correction to Predefined Configurations	Revised	A		Radio subsystem link control	1
GP-011862	45.008	051	1	4.4.0	Rel-4	Correction to Predefined Configurations	Approved	A	4.5.0	Radio subsystem link control	1
GP-011611	45.008	052			Rel-5	Correction to Predefined Configurations	Revised	A		Radio subsystem link control	1
GP-011863	45.008	052	1	5.2.0	Rel-5	Correction to Predefined Configurations	Approved	A	5.3.0	Radio subsystem link control	1
GP-011627	45.008	053			Rel-4	The R.M.S. received level at the receiver input (Rel 4)	Rejected	F		Radio subsystem link control	1
GP-011628	45.008	054			Rel-5	The R.M.S. received level at the receiver input (Rel 4)	Rejected	A		Radio subsystem link control	1
GP-011639	45.008	055			Rel-4	Clarification of the monitored GPRS control channels during GPRS attachment	Revised	A		Radio subsystem link control	1
GP-011865	45.008	055	1	4.4.0	Rel-4	Clarification of the monitored GPRS control channels during GPRS attachment	Approved	A	4.5.0	Radio subsystem link control	1
GP-011640	45.008	056			Rel-5	Clarification of the monitored GPRS control channels during GPRS attachment	Revised	A		Radio subsystem link control	1
GP-011866	45.008	056	1	5.2.0	Rel-5	Clarification of the monitored GPRS control channels during GPRS attachment	Approved	A	5.3.0	Radio subsystem link control	1
GP-011645	45.008	057			Rel-4	Inter-PLMN network controlled cell reselection to 3G networks	Withdrawn	F		Radio subsystem link control	1

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GP-011646	45.008	058			Rel-5	Inter-PLMN network controlled cell reselection to 3G networks	Withdrawn	A		Radio subsystem link control	1
GP-011676	45.008	059		5.2.0	Rel-5	Introduction of Enhanced Power Control	Approved	B	5.3.0	Radio subsystem link control	1
GP-011529	45.009	001			Rel-4	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011903	45.009	001	1		Rel-4	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011947	45.009	001	2	4.0.0	Rel-4	RATSCCH protocol: repetition of REQ messages and other corrections	Approved	A	4.1.0	Link adaptation	1
GP-011530	45.009	002			Rel-5	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011904	45.009	002	1		Rel-5	RATSCCH protocol: repetition of REQ messages and other corrections	Revised	A		Link adaptation	1
GP-011948	45.009	002	2	5.0.0	Rel-5	RATSCCH protocol: repetition of REQ messages and other corrections	Approved	A	5.1.0	Link adaptation	1
GP-011724	48.008	019	2	4.4.0	Rel-4	Kc over MAP/E interface to 3G_MSC-B (Rel-4)	Approved	A	4.5.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011725	48.008	020	2	5.1.0	Rel-5	Kc over MAP/E interface to 3G_MSC-B (Rel-5)	Approved	A	5.2.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011719	48.008	030	5	4.4.0	Rel-4	Layer 3 Information - RRC Container (Rel-4)	Postponed	A		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011711	48.008	031	5	5.1.0	Rel-5	Layer 3 Information - RRC Container (Rel-5)	Postponed	A		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-011542	48.016	002		4.1.1	Rel-4	Clarification of abnormal procedures for SNS Change weight procedures (Rel-4)	Approved	F	4.2.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-011541	48.016	003		4.1.1	Rel-4	Clarification of the Resource Distribution Function (Rel-4)	Approved	F	4.2.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-011641	48.016	004		4.1.1	Rel-5	Blocking procedure in case of Test procedure failure for a blocked NS-VC (Rel-5)	Approved	F	5.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-011710	48.018	037	3	4.3.1	Rel-5	Introduction of LCS for GPRS to Release 5 (Rel-5)		B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011928	48.018	037	4	4.3.1	Rel-5	Introduction of LCS for GPRS to Release 5 (Rel-5)		B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2

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GP-011959	48.018	037	5	4.3.1	Rel-5	Introduction of LCS for GPRS to Release 5 (Rel-5)	Approved	B	5.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011704	48.018	038	2	4.3.1	Rel-4	Inter-NSE rerouting of DL LLC PDUs (Rel-4)	Approved	F	4.4.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011741	48.018	039		4.3.1	Rel-5	Inter-NSE rerouting of DL LLC PDUs (Rel-5)	Withdrawn	A		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011583	48.018	040		4.3.1	Rel-4	Introduction of DCCM-A (Rel-4)	Withdrawn	B		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011540	48.018	041		4.3.1	Rel-4	Clarification of Packet Flow Timer (Rel-4)		F		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011810	48.018	041	1	4.3.1	Rel-4	Clarification of Packet Flow Timer (Rel-4)	Approved	F	4.4.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011642	48.018	042		4.3.1	Rel-5	Inter-NSE rerouting of DL LLC PDUs (Rel-5)	Approved	A	5.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011775	48.018	043		4.3.1	Rel-5	SGSN behaviour during rerouting of DL LLC PDUs (Rel-5)	Approved	F	5.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011796	48.018	044		4.3.1	Rel-4	BVC-RESET in case of SGSN / Gb failures (Rel-4)		A		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011797	48.018	045		4.3.1	Rel-5	BVC-RESET in case of SGSN / Gb failures (Rel-5)		A		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011843	48.018	046		4.3.1	Rel-5	Clarification of Packet Flow Timer (Rel-5)	Approved	A	5.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-011677	48.058	002		5.0.0	Rel-5	Introduction of Enhanced Power Control		D		Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2

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GP-011894	48.058	002	1	5.0.0	Rel-5	Introduction of Enhanced Power Control		D		Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
GP-011949	48.058	002	2	5.1.0	Rel-5	Introduction of Enhanced Power Control	Approved	B	5.2.0	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
GP-011634	48.071	002		4.0.0	Rel-4	Addition of a missing cause value in BSSLAP for segmentation errors (Rel-4)	Approved	A	4.1.0	Location services (LCS) SMLC-BSS interface L 3	G2
GP-011518	49.031	003		4.0.0	Rel-5	Introduction of LCS for GPRS to BSSAP-LE (Rel-5)		B		Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2
GP-011879	49.031	003	1	4.0.0	Rel-5	Introduction of LCS for GPRS to BSSAP-LE (Rel-5)		B		Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2
GP-011927	49.031	003	2	4.0.0	Rel-5	Introduction of LCS for GPRS to BSSAP-LE (Rel-5)	Approved	B	5.0.0	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2
GP-011631	49.031	004		4.0.0	Rel-4	Correction of Location Type IE length in BSSMAP-LE PERFORM LOCATION REQUEST message (Rel-4)	Approved	A	4.1.0	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2
GP-011463	51.010-1	240		4.4.0	Rel-4	Corrections to sections 20.22 – 20.22.9	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011463	51.010-1	241		4.4.0	Rel-4	Harmonisation of conformance tests related to terminal acoustics in GSM and 3G	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	242		4.4.0	Rel-4	Correction of test case 26.6.3.7.	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	243		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.3	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	244		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.5	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	245		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.6	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	246		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.7	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	247		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.8	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	248		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.9	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

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GP-011464	51.010-1	249		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.11	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	250		4.4.0	Rel-4	GSM700 and GSM850 inclusion into section 26.12	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	251		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.13	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	252		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.14	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	253		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.15	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	254		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 26.16	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	255		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 27	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	256		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 31	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	257		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 34	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	258		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into section 35	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	259		4.4.0	Rel-4	Correction of both test cases 31.4.2.1.4 and 31.4.2.2.1 : tests of supplementary services	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	260		4.4.0	Rel-4	Correction of test case 31.9.1.1: Process UnstructuredSS-request/accepted and Addition of information in Annex 3	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	261		4.4.0	Rel-4	GSM 700 and GSM850 included into annex 4.3	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	262		4.4.0	Rel-4	GSM 700 and GSM850 included into section 26.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	263		4.4.0	Rel-4	Introduction of PCS 1900 into section 26.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	264		4.4.0	Rel-4	Annex 4 - Addition of GPRS service	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

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GP-011461	51.010-1	265		4.4.0	Rel-4	Acknowledged mode / Uplink TBF / Transmit window size, in Section 43.1.1.2	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	266		4.4.0	Rel-4	Paging correction and GPRS resume indication in section 44.2.2.2.5	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	267		4.4.0	Rel-4	Additional Location Update procedures in section 44.2.3.1.4	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	268		4.4.0	Rel-4	Editorial modification to section 41.1.4.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	269		4.4.0	Rel-4	Inserted time for ready timer expiry and removed TMSI status IE in section 44.2.3.3.2	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	270		4.4.0	Rel-4	Changed timer references in section 44.2.5.1.2	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	271		4.4.0	Rel-4	42.1.2.1.10.2 Incorrect Number of Packet Access Re-Attempts	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	272		4.4.0	Rel-4	42.2.2.11.2 Generic Procedure for Open Ended TBF & Irrelevant Conformance Requirement : Dynamic/Fixed Allocation & Definition and Applicability : Frequency Support	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	273		4.4.0	Rel-4	42.2.2.7.3 Conformance Requirements Inconsistent with Test Purpose and Expected Sequence : Repeat Allocation & New Allocation Bitmap Valid From TBF Starting Time	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	274		4.4.0	Rel-4	42.2.3.2.1 Generic Procedure for Open Ended TBF & PACKET TBF RELEASE	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	275		4.4.0	Rel-4	42.2.3.2.1 Generic Procedure for Open Ended TBF & PACKET TBF RELEASE	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	276		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into clause 42	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	277		4.4.0	Rel-4	Fixed Allocation ALLOCATION BITMAP clarifications in section 42.2.2.6.1 and 42.2.2.8.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	278		4.4.0	Rel-4	GPRS resume indication and Attach Accept contents in section 44.2.1.2.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	279		4.4.0	Rel-4	A Minor Test Requirement Error In The Sequence of 44.2.1.2.6	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

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GP-011461	51.010-1	280		4.4.0	Rel-4	Attach Accept contents in sections 44.2.1.1.1, 44.2.1.1.7, 44.2.2.1.2, 44.2.2.1.3, 44.2.3.1.7, 44.2.4	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	281		4.4.0	Rel-4	GPRS Resume indication in sections 44.2.1.2.4, 44.2.1.2.5, 44.2.1.2.6, 44.2.1.2.7, 44.2.1.2.8, 44.2.1.2.9, 44.2.2.1.7, 44.2.2.2.3 and 44.2.2.2.4	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	282		4.4.0	Rel-4	Added Location Update procedure and changed Attach Accept contents in section 44.2.3.1.2	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	283		4.4.0	Rel-4	Changed Attach Accept contents and Initial conditions in section 44.2.3.1.5	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	284		4.4.0	Rel-4	Several changes to section 44.2.3.2.3	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	285		4.4.0	Rel-4	Changed title and removed location update in section 44.2.3.3.4	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	286		4.4.0	Rel-4	MS may answer to paging in section 44.2.1.2.2.3.2, 44.2.3.2.5.3.1 and 44.2.3.2.5.3.2	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	287		4.4.0	Rel-4	42.4.2.1.4 Error Cause in PACKET CELL CHANGE FAILURE	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	288		4.4.0	Rel-4	42.4.2.2.1 Incorrect Establishment Cause in PACKET CHANNEL REQUEST	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	289		4.4.0	Rel-4	Corrections to sections 42.4.1.1 and 42.4.2.1	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	290		4.4.0	Rel-4	Clause 44.2.2.2.4 GPRS detach / re-attach requested / accepted	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	291		4.4.0	Rel-4	Clause 46.1.2.2.2.3 Busy condition at the peer, with ACK sent for resumption of transmission	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	292		4.4.0	Rel-4	GSM 700 and GSM850 inclusion into 51.010-1 clause 40	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	293		4.4.0	Rel-4	44.2.3.2.5.3.2 Test Procedure 2 Correction to initial conditions.	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	294		4.4.0	Rel-4	Proposal to change requirements for the number of RLC octets sent in uplink data transfer test cases.	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	295		4.4.0	Rel-4	Section 40 Need To Define Alternate Frequencies For Assignment Commands When PBCCH/PCCCH Uses Hopping	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

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GP-011461	51.010-1	296		4.4.0	Rel-4	Modification of conformance requirement concerning test case 45.5.1 : Unknown or Unforeseen Transaction Identifier/Non-semantical Mandatory Information Element Errors.	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	297		4.4.0	Rel-4	Comments related to XID response in LLC Testcases 46.1.2.7.1 and 46.1.2.7.4	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	298		4.4.0	Rel-4	Correction in message direction for GMM Testcase 44.2.2.1.7	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	299		4.4.0	Rel-4	Possible MM Location Update for Non-Auto Attach MS	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	300		4.4.0	Rel-4	42.1.1.3 Initial Conditions Incorrect for RLC Unacknowledged Mode Test	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	301		4.4.0	Rel-4	42.1.2.1.1.1 Incorrect Use of FRAME_NUMBER in PACKET QUEUING NOTIFICATION & Possible MM Location Update for Non-Auto Attach MS	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	302		4.4.0	Rel-4	42.1.2.1.9.3 Inconsistent RLC Mode in Initial Conditions and Test Procedure	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	303		4.4.0	Rel-4	42.2.1.1/1b, 42.2.1.2/1b and 42.2.1.2/2b Use of 11-bit PRACH Format on RACH	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	304		4.4.0	Rel-4	PACKET POLLING REQ RRBP Interpretation	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	305		4.4.0	Rel-4	42.2.2.11.1 Generic Procedure for Open Ended TBF	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	306		4.4.0	Rel-4	42.2.2.11.3 Generic Procedure for Open Ended TBF & Conformance Requirement : Abnormal Release	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	307		4.4.0	Rel-4	Incorrect T3188 Start Condition	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	308		4.4.0	Rel-4	42.2.3.3.1 Generic Procedure for Open Ended TBF & PACKET CHANNEL REQUEST on CCCH	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	309		4.4.0	Rel-4	42.2.4.4.1 Conformance Requirement Changed : Re-Attempt Packet Access	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	310		4.4.0	Rel-4	42.3.1.1.4 Incorrect Expected Sequence for Uplink TBF Establishment	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

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GP-011461	51.010-1	311		4.4.0	Rel-4	42.3.2.1.1 PACKET CONTROL ACK & Commencement of Downlink Data Blocks	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	312		4.4.0	Rel-4	42.3.2.1.2 Violation of Ttb Class 2/3 MS	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	313		4.4.0	Rel-4	42.3.3.1.1 Expected Sequence Table for SMS + 1 PDP Context Test	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	314		4.4.0	Rel-4	42.3.3.1.2 Expected Sequence Table for SMS + 1 PDP Context Test & Radio Priorites for SMS and PDP Context 5	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	315		4.4.0	Rel-4	Radio Priority for SMS	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	316		4.4.0	Rel-4	42.4.1.2 Ready Timer and Cell Update Procedures	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	317		4.4.0	Rel-4	42.5.2.1 No Timing Advance Value Allocated & Commencement of Downlink RLC Data Blocks & Completion of Downlink Data Transfer	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	318		4.4.0	Rel-4	Correction to section 41.2.5.1 Packet access rejection / wait indication	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	319		4.4.0	Rel-4	Clause 40.1. Default test conditions (Definition of Cell C-F)	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	320		4.4.0	Rel-4	Clause 40 – GPRS default conditions, message contents and macros	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011461	51.010-1	321		4.4.0	Rel-4	45.2.1.2.1 QoS Accepted by MS; 45.5. Unknown or Unforeseen Transaction Identifier/Non-semantical Mandatory Information Element Errors	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	322		4.4.0	Rel-4	Test of EGPRS RR Paging Procedures	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	323		4.4.0	Rel-4	Test of EGPRS Medium Access Control (MAC) Protocol/ Fixed Allocation	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	324		4.4.0	Rel-4	Addition of new EGPRS test cases for section 52.4 (Measurement reports and Cell change order procedures)	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	325		4.4.0	Rel-4	S51.3 MAC/RLC Release ; TBF-Release	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	326		4.4.0	Rel-4	Correction of Origin Offset Suppression requirements	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
GP-011462	51.010-1	327		4.4.0	Rel-4	S 53 - EGPRS RLC testcases	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011462	51.010-1	328		4.4.0	Rel-4	S52.3 EGPRS MAC Dynamic Allocation Testcases.	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011465	51.010-1	329		4.4.0	Rel-4	S60 Inter-system handover from GSM to UTRAN	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011465	51.010-1	330		4.4.0	Rel-4	Addition of Test Cases in clause 60 Inter-system hard handover from GSM to UTRAN	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011464	51.010-1	331		4.4.0	Rel-4	Addition of 1,8V and 1,8V/3V SIM-ME interface test cases into 51.010-1 section 27	approved	F	4.5.0	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4
GP-011466	51.010-2	007		4.1.0	Rel-4	Harmonisation of conformance tests related to terminal acoustics in GSM and 3G	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	008		4.1.0	Rel-4	Correction of title for clause 44.2.3.3.4	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	009		4.1.0	Rel-4	Correction of conditional statement C226	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	010		4.1.0	Rel-4	Addition of new EGPRS test cases for section 51.3 (TBF Release)	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	011		4.1.0	Rel-4	Addition of new EGPRS test cases for section 52.4 (Measurement reports and Cell change order procedures)	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	012		4.1.0	Rel-4	Applicability table for EGPRS RR Paging Procedures	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	013		4.1.0	Rel-4	Applicability table for EGPRS Medium Access Control (MAC) Protocol/ Fixed Allocation	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	014		4.1.0	Rel-4	Addition of new EGPRS test cases for section 53 (EGPRS RLC Testcases)	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
GP-011466	51.010-2	015		4.1.0	Rel-4	Addition of new EGPRS test cases for section 52.3 (EGPRS MAC Dynamic Allocation)	approved	F	4.1.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	016		4.1.0	Rel-4	Applicability table for Handover Test Cases	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	017		4.1.0	Rel-4	Addition of 1,8V and 1,8V/3V SIM-ME interface test cases into 51.010-2 section A4.8 and Annex B (applicability table)	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011466	51.010-2	018		4.1.0	Rel-4	Correction of COMPACT and SoLSA tests in the Release column of table B.1	approved	F	4.2.0	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4
GP-011467	51.010-3	003		4.2.0	Rel-4	Alignment of TC_26_5_3_2 with 51.010-1 section 26.5.3.2	approved	F	4.3.0	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-011467	51.010-3	004		4.2.0	Rel-4	Proposal to allow handover access bursts on a SACCH.	approved	F	4.3.0	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-011467	51.010-3	005		4.2.0	Rel-4	Alignment of TC_26_2_4_7& TC_26_2_4_8 with 51.010-1 section 26.2.4.7 & 26.2.4.8	approved	F	4.3.0	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4

Annex G: Definition of Release 4, extracted from the Project Plan - version 01/10/11

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Fri 29/03/02	82%	No	No			
12	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			
1995	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			
4	CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 21/12/01	33%	No	No		WI formulation assigned to N4	
859	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	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@eed.ericsson.se
1216	RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Tue 05/08/03	51%	No	No			
1509	RAN4	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			
1994	RAN1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			
1996	RAN4	Rel4	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	85%	Yes	Yes			
9	RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 14/08/00	Fri 10/01/03	40%	No	No			
655	RAN1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			
2206	RAN2	Rel4	No	RAB support enhancement - Robust Header Compression (ROHC)	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	
1652	CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 01/05/00	Fri 29/03/02	18%	Yes	No			EUSFARO@am1.ericsson.se
1654	CN1	Rel4	No	For CS based calls	EMC1-CS	TSG	Mon 01/05/00	Tue 26/09/00	100%	Yes	Yes		WI approved in TSG_10...	EUSFARO@am1.ericsson.se
1826	T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Thu 20/06/02	54%	No	No			
1827	T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	71%	No	No	27.007		
1829	T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Thu 20/06/02	45%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1832	T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga.Tome@ECS.ERICSSON.SE
1536	SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/06/02	60%	No	No			
2229	T2	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	53%	No	No	23.041		
523	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	SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	92%	No	No			
1600	RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	Fri 29/03/02	55%	Yes	Yes			
1601	RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IublIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	
1602	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	
1560	T3	NA	Yes	UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 15/03/02	69%	No	No			
1799	T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	
1800	T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 22/03/02	48%	No	No			
2034	T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	
1571	SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	33%	No	No		Added BB UE authentication and rapporteur added	Peter.Howard@vf.vodafone.co.uk
2099	SA3	Rel4	No	UE triggered authentication during connections	SEC1-UETADC	TSG	Mon 03/01/00	Mon 03/01/00	0%	Yes	Yes		"Approved TSG SA #09; S3#17 TO BE DELETED (no supporting companies)"	Peter.Howard@vf.vodafone.co.uk
1587	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		May 01, Integration of sec archi, Feb 01, Complete CRs with S3 review, Apr 01, CRs to be approved at TSG, May 01. S3#17: No supporting companies	?
1588	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		Complete TSG#09 (09/2000). S3#17: No supporting companies	?
1583	SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/06/01	51%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP	
1594	SA3	Rel4	No	Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/06/01	0%	Yes	Yes		Requirements capture, Aug , Definition of security architecture, CRs approved at TSG level, Dec. S3#17 behind schedule, Release to be determined S3#18	Sebastien.nguyenngoc@francetelecom.fr

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1142	SA5	NA	No	Charging and OAM&P (Master)	OAM	TSG	Fri 01/12/00	Fri 05/04/02	71%	No	No	32-series	az: WID appr.SA#10.	"Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM"
2089	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.COM; Tommy.R.Berggren@TELIA.SE"
2088	SA5	Rel4	No	Rel4 Performance Management	OAM-PM	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy	az: WID appr.SA#12.	Karl-Heinz.Nenner@T-MOBIL.DE
2081	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.	pjure@LUCENT.COM
2082	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@emw.ericsson.se
2083	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.DE
2071	SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800	az: WID appr.SA#10.	bert.boden@d2mannesmann.de
0		Rel4	No	-- Rel4-only Features listed bellow --			Mon 03/01/00	Mon 03/01/00	0%	No	No			
1340	SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 22/12/00	74%	Yes	Yes			
1539	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	T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef.Laumen@SAL.SIEMENS.DE
1541	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	GERAN	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	GERAN	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Fri 08/06/01	99%	No	No			
2324	GERAN	Rel4	No	GERAN improvements 4 (Delayed TBF)		TSG	Mon 15/01/01	Fri 08/06/01	37%	No	No			
1222	RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Mon 12/08/02	59%	No	No			
1322	SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 04/10/02	60%	Yes	Yes			
1445	T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Fri 14/12/01	89%	Yes	Yes			
1631	SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Thu 20/12/01	84%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
2230	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@nortelnetworks.com
2403	GERAN	Rel4	No	700 MHz spectrum support			Mon 03/01/00	Fri 30/11/01	74%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2463	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	tamurato@nsf.ncos.nec.co.jp
2546	SA2	Rel4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	33%	No	No			lna.widegren@era.ericsson.se
1993	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	0%	Yes	Yes		"""Joker"" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system"	

Annex H: Current content of Release 5, extracted from the Project Plan - version 01/07/11

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Fri 29/03/02	82%	No	No			
625	RAN3	Rel5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 14/12/01	68%	Yes	Yes			
2257	RAN3	Rel5	No	Evolution of transport in UTRAN and GERAN	ETRANG	TSG	Mon 24/09/01	Fri 22/03/02	0%	No	No			
4	CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 21/12/01	33%	No	No		WI formulation assigned to N4	
2455	CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	32%	No	No		update WID	
2476	RAN2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Fri 08/03/02	35%	No	No			
1216	RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Tue 05/08/03	51%	No	No			
1470	RAN1	Rel5	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 28/12/01	40%	Yes	Yes			
1471	RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 08/03/02	75%	Yes	Yes			
1217	RAN2	Rel5	No	Hybrid ARQ II/III	RInImp-HARQ	TSG	Mon 21/08/00	Fri 28/12/01	82%	Yes	No		Work on this task is performed as part of High Speed Downlink Packet Access feature	
2467	RAN4	Rel5	No	UMTS 1900	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 14/12/01	85%	No	No			
2469	RAN1	Rel5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Tue 11/12/01	55%	No	No			
2471	RAN1	Rel5	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Tue 11/12/01	10%	No	No			
1506	RAN1	Rel5	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 21/12/01	48%	Yes	Yes			
1221	RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	80%	Yes	Yes			
1997	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			
2494	RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	15%	No	No			
24001	RAN4	Rel5	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 14/12/01	75%	No	No			
2493	RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 14/12/01	80%	No	No			
9	RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 14/08/00	Fri 10/01/03	40%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
656	RAN3	Rel5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Fri 14/12/01	17%	Yes	Yes			
2488	RAN3	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Wed 12/12/01	68%	No	No			
2489	RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Wed 12/12/01	65%	No	No			
2490	RAN3	Rel5	No	Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Wed 12/12/01	65%	No	No			
2491	RAN3	Rel5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Wed 12/12/01	25%	No	No			
23003	RAN3	Rel5	No	SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Fri 14/12/01	8%	No	No			
1680	RAN	Rel5	No	Header compression removal/stripping in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
1686	RAN	Rel5	No	Unequal error protection in PS domain in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
2472	RAN1	Rel5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Tue 11/12/01	60%	No	No			
1273	SA1	NA	Yes	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Fri 27/12/02	14%	Yes	Yes		S1 WI proposed S1-000290...	mcatald1@email.mot.com
1274	SA2	Rel5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 22/03/02	18%	Yes	Yes			
1298	SA3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	11%	Yes	No		"end March 2001 from tdoc AHR00-0031. 14/09/00: End date modified to 29 June 2001 (was 03/01). TR created 08/00; TR approval 12/00; TS draft 03/01 (distribution to other groups); TS approval 06/01. S3#17: Title corrected. S3#18: Timescales updated"	krister.boman@emw.ericsson.se
2574	SA3	Rel5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	4%	No	No		S3#18: Created in response to S2 request on Network Hiding	hugh.shieh@attws.com
2242	SA5	Rel5	No	Charging Management for IMS	OAM-CH/IP	TSG	Fri 01/12/00	Thu 14/03/02	25%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz.Nenner@T-MOBIL.DE
34001	SA4	Rel5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Mon 18/06/01	Tue 26/03/02	8%	No	No	26.233, 26.234		olle.franceschi@nrj.ericsson.se
1652	CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 01/05/00	Fri 29/03/02	18%	Yes	No			EUSFARO@am1.ericsson.se
1653	CN1	Rel5	No	For IP & PS based calls	EMC1-PS	TSG	Mon 14/08/00	Fri 08/03/02	14%	Yes	Yes			EUSFARO@am1.ericsson.se
1517	SA2	Rel5	No	Global Text Telephony	GTT	TSG	Wed 28/06/00	Fri 07/12/01	82%	No	No		SP-000162 agreed WI. Rapporteur...	gunnar.hellstrom@omnitor.se

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1367	SA1	NA	Yes	VHE enhancements	VHE1	TSG	Mon 07/08/00	Fri 29/03/02	15%	No	No			
1368	SA2	Rel5	No	Detailed definition of the VHE user profile	VHE1-USERP	WG	Mon 07/08/00	Fri 29/03/02	38%	No	No			
2123	SA5	Rel5	No	Enhanced Subscription Management & User Profile	VHE1-USERP	TSG	Fri 21/09/01	Fri 29/03/02	50%	No	No		az: WID appr.SA#10.	Geoff.Caryer@BTINTERNET.COM
2104	SA2	Rel5	No	Extensions to existing (and possibly new) toolkits	VHE1-TLKT1	WG	Mon 02/04/01	Tue 05/02/02	0%	No	No			
2108	SA2	Rel5	No	Interaction between toolkits to enable IMS	VHE1-IMS	WG	Mon 02/04/01	Tue 05/02/02	0%	No	No			
2112	SA2	Rel5	No	Transparent roaming for services	VHE1-RMG	WG	Mon 16/04/01	Tue 19/02/02	0%	No	No			
2532	SA2	Rel5	Yes	Charging	VHE1-CHR	WG	Mon 02/04/01	Fri 29/03/02	10%	No	No			
2534	SA5	Rel5	No	Stage 3	VHE1-CHR	TSG	Fri 21/09/01	Fri 29/03/02	15%	No	No	32.2xy (Charging)		Karl-Heinz.Nenner@T-MOBIL.DE
2535	SA2	Rel5	Yes	Other VHE Enhancements	VHE1-RMG	WG	Mon 16/04/01	Tue 19/02/02	0%	No	No			
0	CN5	Rel5	No	(copy) OSA Stage 3	OSA1	WG	Fri 21/09/01	Fri 29/03/02	4%	No	No	29.198, 29.998	az: CN#13 - Link to new WID	Ard.Jan.Moerdijk@eln.ericsson.se
1637	SA1	NA	Yes	OSA enhancements	OSA1	TSG	Wed 28/06/00	Fri 29/03/02	32%	No	No	22.127, 23.127, 29.198-x, 29.998-x	az: deleted comment	
1424	SA2	Rel5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Mon 11/09/00	Fri 29/03/02	42%	No	No		az: CN#13 - changed to Rel5	
1429	SA2	Rel5	No	OSA APIs for MuMa CC	OSA1-CSCF	TSG	Tue 11/07/00	Fri 29/03/02	21%	No	No		For Rel5 even if completed by March	
1419	SA3	Rel5	No	OSA security	OSA1-SEC	TSG	Wed 28/06/00	Fri 29/03/02	29%	Yes	Yes		Christophe to contact BT and Ericsonn in S3 and S1	colin.blanchard@bt.com
1433	SA2	Rel5	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Mon 25/09/00	Fri 29/03/02	45%	No	No			
1786	SA1	Rel5	No	LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 29/03/02	35%	No	No		az: CN#13 - changed to Rel5	
2538	SA1	Rel5	No	Interaction with Rel-5 features		TSG	Fri 11/05/01	Fri 09/11/01	0%	No	No			
2519	CN5	Rel5	No	OSA Stage 3	OSA1	TSG	Fri 21/09/01	Fri 29/03/02	10%	No	No	29.198, 29.998	az: CN#13 - Link to new WID	Ard.Jan.Moerdijk@eln.ericsson.se
15000	CN5	Rel5	No	OSA evolution - Stages 2 and 3	OSA1	TSG	Fri 21/09/01	Fri 29/03/02	10%	No	No	29.198, 29.998	az: Created post-CN#13	Ard.Jan.Moerdijk@eln.ericsson.se
0	SA5	Rel5	No	(copy) Charging and OAM&P	OSA1-OAM	TSG	Fri 21/09/01	Fri 29/03/02	45%	No	No	32-series	az: WID appr.SA#13.	Karl-Heinz.Nenner@T-MOBIL.DE
1638	SA1	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 03/01/00	Fri 08/03/02	57%	No	No		Respo should be Andrij	keijo.palviainen@nokia.com
2464	T2	Rel5	No	MExE enhancements Rel-5	MEXE5	TSG	Wed 21/02/01	Thu 20/06/02	15%	Yes	Yes			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1625	SA4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Fri 28/06/02	33%	No	No			Imre.Varga@mch.siemens.de
1826	T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Thu 20/06/02	54%	No	No			
1829	T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Thu 20/06/02	45%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1831	T2	Rel5	No	vObjects and Other Constructs for Use in Data Synchronisation	TI-SYNC-VOBJ	TSG	Tue 16/05/00	Thu 20/06/02	25%	No	Yes	27.104	FR: moved from Rel4 to Rel5 at T2#12	rob.lockhart@MOTOROLA.COM
2573	T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	10%	No	Yes	23.227		Olga.Tome@ECS.ERICSSON.SE
1536	SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/06/02	60%	No	No			
1600	RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	Fri 29/03/02	55%	Yes	Yes			
2457	RAN2	Rel5	No	UE positioning enhancements - other methods	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 28/12/01	24%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	
2474	RAN2	Rel5	No	UE positioning enhancements for 1.28 Mcps TDD		TSG	Mon 09/04/01	Fri 29/03/02	49%	No	No			
2475	RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning	LCS-Rel4Pos	TSG	Mon 09/04/01	Fri 28/12/01	66%	No	No			
2125	RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	49%	No	No		Change of responsible group	
1171	SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 22/06/01	56%	No	No			
2436	GERAN	Rel5	No	Location Services for GERAN in A/Gb Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 31/08/01	79%	No	No			
2442	GERAN	Rel5	No	Location Services for GERAN in Iu Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 28/06/02	70%	No	No			
32001	SA2	Rel5	No	Enhanced support for user privacy and subscriber data handling		WG	Mon 04/06/01	Fri 21/12/01	21%	No	No			
0	SA5	Rel5	No	(copy) Charging and OAM&P	LCS1-OAM	TSG	Fri 21/09/01	Fri 29/03/02	45%	No	No	32-series	az: WID appr.SA#13.	"Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM"

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
521	SA3	Rel5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	15%	No	No		"Evaluate possible impact of new LCS features on security, Evaluate privacy options in call related LCS for specific Client, separate for MT and MO LR; 14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete"	valtteri.niemi@nokia.com
1560	T3	NA	Yes	UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 15/03/02	69%	No	No			
2517	T3	Rel5	No	UICC/USIM Transport Protocol	UICC1-Protocl	TSG	Tue 12/06/01	Fri 15/03/02	42%	No	No		5/10/2001: completion % updated	
1800	T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 22/03/02	48%	No	No			
1566	T3	Rel5	No	Enhancements to (U)SIM toolkit secure messaging	USAT1-SM	TSG	Mon 02/04/01	Fri 15/03/02	20%	Yes	Yes	27.103	8/3/2001: Work not started as of T3-18, therefore changed to rel-5.	
1801	T3	Rel5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Fri 22/03/02	69%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	
2497	T3	Rel5	No	Stage 1		TSG	Mon 05/06/00	Fri 16/03/01	100%	No	No		5/10/2001: Stage one comepeted at TP-12.	
2496	T3	Rel5	No	Stage 2 and 3		TSG	Wed 03/01/01	Fri 21/12/01	76%	No	No		5/10/2001: TS 31.112 and 31.113 approved at TP-13. TS 31.114 to be presented to TP-14.	
2518	T3	Rel5	No	Test specification		TSG	Mon 03/09/01	Fri 22/03/02	14%	No	No		5/10/2001: Work started on test specification	
1802	T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 28/09/01	7%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
2031	T3	Rel5	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 28/09/01	7%	Yes	Yes			
1571	SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	33%	No	No		Added BB UE authentication and rapporteur added	Peter.Howard@vf.vodafone.co.uk
1576	SA3	Rel5	Yes	Network domain security	SEC1-NDS	TSG	Mon 03/01/00	Fri 28/06/02	24%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18)	Geir-myrdahl.koien@telenor.com
1595	SA3	Rel5	No	FIGS	SEC1-FIGS		Mon 03/01/00	Fri 22/06/01	0%	No	No		14/9/00: work behind schedule - WID modification agreed at SA#10	
1365	SA2	Rel5	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 22/03/02	44%	Yes	Yes		AS: Changed from FS to actual support of Push	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1142	SA5	NA	No	Charging and OAM&P (Master)	OAM	TSG	Fri 01/12/00	Fri 05/04/02	71%	No	No	32-series	az: WID appr.SA#10.	"Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM"
35002	SA5	Rel5	No	Rel5 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Mon 17/09/01	Fri 05/04/02	14%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	"Michael.Truss@MOTOROLA.COM; Tommy.R.Berggren@TELIA.SE"
35003	SA5	Rel5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Fri 05/04/02	10%	No	No	32.4xy	az: WID appr.SA#12.	Karl-Heinz.Nenner@T-MOBIL.DE
35004	SA5	Rel5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Fri 29/03/02	14%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz.Nenner@T-MOBIL.DE
35001	SA5	Rel5	No	Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Fri 29/03/02	25%	No	No	32.6xy/32.3xy	az: WID appr.SA#13.	Thomas.Tovinger@emw.ericsson.se
2062	SA5	Rel5	No	Subscription Management	SM	TSG	Fri 29/12/00	Fri 28/06/02	42%	No	Yes	32.140, 22.057 (S1), 23.057 (T2), 32.101, 32.6xy	az: WID appr.SA#10.	Geoff.Caryer@BTINTERNET.COM
2243	SA2	Rel5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	TSG	Mon 03/01/00	Fri 22/03/02	21%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	
2320	GERAN	Rel5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Mon 06/11/00	Fri 15/03/02	0%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	
2330	GERAN	Rel5	No	GERAN support for IMS		TSG	Mon 01/05/00	Fri 20/12/02	32%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	
2345	GERAN	Rel5	No	Alignment of 3G functional split and Iu		TSG	Thu 08/06/00	Tue 04/03/03	16%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	
2392	GERAN	Rel5	No	GERAN enhancements for streaming services 1			Mon 06/11/00	Fri 30/11/01	21%	No	No			
2396	GERAN	Rel5	No	GERAN enhancements for streaming services 2			Mon 06/11/00	Fri 28/06/02	9%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	
2412	"GERAN ;RAN3"	Rel5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)			Mon 06/11/00	Fri 15/03/02	58%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	
2416	"GERAN ;RAN3"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)			Mon 06/11/00	Fri 15/03/02	48%	No	No			
2499	SA1	Rel5	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Tue 19/03/02	17%	No	No			
2507	SA1	Rel5	No	Display of Service Provider name on UE	SPNAME	TSG	Mon 25/12/00	Mon 29/04/02	21%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2520	SA5	Rel5	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 29/03/02	36%	No	No		az: WID appr.SA#12.	john.mudge@vf.vodafone.co.uk
2527	SA2	Rel5	No	Emergency calls without UICC/SIM in netw. with IMS			Wed 30/05/01	Thu 28/03/02	0%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)	
2544	SA1	Rel5	No	Multimedia Broadcast and Multimedia Service	MBMS		Fri 11/05/01	Fri 28/06/02	29%	No	No		Title renamed at SA#13	
2556	SA2	Rel5	No	End to End QoS for PS Domain including IMS	E2EQoS	TSG	Wed 03/01/01	Fri 29/03/02	43%	No	No			Johnson.oyama@era.ericcson.se
2569	T2	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 14/12/01	27%	No	Yes		support of UAProf, so this in my opinion is 100% complete	
13000	CN3	Rel5	No	Service Change and UDI Fallback	SCUDIF	WG	Mon 08/10/01	Fri 08/03/02	2%	No	No	29.007, 27.001, 24.008	[DAB - 10/10/01] - End date pushed back to March updated WID details	Rune.Werner.Wiik@ericsson.no
31006	SA1	?	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Mon 17/12/01	5%	No	No			
31007	SA1	Rel5	No	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	DSR	TSG	Mon 08/10/01	Mon 17/12/01	5%	No	No	22.941, 23.207		Dwilliams@qualcomm.com

Annex I: Current content of Release 6, extracted from the Project Plan - version 01/10/11

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Tue 05/08/03	51%	No	No			
2468	RAN1	Rel6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 05/03/02	20%	No	No			
1571	SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	33%	No	No		Added BB UE authentication and rapporteur added	Peter.Howard@vf.vodafone.co.uk
2026	SA3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 14/06/02	0%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter.Howard@vf.vodafone.co.uk
31008	SA1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Mon 10/06/02	1%	No	No			
31010	SA1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Thu 19/09/02	0%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	SA1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			
30000	SA	Rel6	No	FS on Priority Service	AxsClas	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			bpramani@telcordia.com
31013	SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			sanjay.gupta@motorola.com