Technical Specification Group Services and System Aspects **TSGS#16**

Meeting #16, Marco Island, Florida, 10-13 June 2002

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Draft Report

Contents

1 Opening of the meeting

The TSG SA Chairman, Niels Peter Skov Andersen welcomed delegates to Marco Island, Florida on behalf of Motorola.

2 Approval of the Agenda

TD SP-020205 Draft agenda for TSG SA meeting #16. The draft agenda was reviewed which was approved without change.

IPR Call: The Chairman reminded delegates of their responsibilities under the 3GPP IPR policy.

3 Approval of the meeting report of TSG SA Meeting # 15

TD SP-020206 Draft report of TSG SA meeting #15. The draft report was approved. Version 1.0.0 will be uploaded to the 3GPP FTP server.

4 Items for immediate consideration

TD SP-020375 Status of preparation discussion for future evolution meeting. The TSG SA Vice Chairman (convener of the discussion) presented the report of the future evolution preparation discussions. There was some discussion on further activities for this topic and a kick-off meeting for a future evolution group was discussed. It was agreed that a ToR for the Kick-off meeting should be drafted for agreement by TSG SA, and an agenda to reflect the agreed ToR and objectives of the meeting. The TSG SA Vice Chairman agreed to draft the ToR which was provided in TD SP-020406 and discussed under agenda item 8.9. The status report was then noted.

TD SP-020334 TD SP-020335 and TD SP-020336 were related to this and were discussed under agenda item 8.9.

5 Reports from TSG SA ad-hoc meetings

TD SP-020268 Report of MBMS Workshop (London, 6-7 May, 2002). The report of the MBMS workshop was introduced by the TSG SA Chairman. Issues identified included QoS across Cells and SA WG1 were identified as the best place to discuss and define the requirements for this. The Radio redundancy requirements was also identified as an area which required further study. For Multicast the MS capabilities would need to be as homogeneous as possible, so that the messages need only be sent once on each Radio Access. The report was then noted.

6 Letters / Reports from other groups

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

TD SP-020215 Summary minutes, decisions and actions from 3GPP PCG Meeting#8, New Orleans, 25 April 2002. The TSG SA Chairman introduced the report of the PCG meeting. The 3GPP Work Plan had been presented to the PCG who approved it. The revised ToR for the MCC TTCN Task was approved by the PCG. The 3GPP Working Procedures were updated to align with the working of the Project. The PCG agreed to send the update to M.1457 to the ITU. TSG SA were actioned by the PCG to provide details of the actions agreed in relation to the 3GPP/3GPP2 Harmonisation work. The report was then noted.

TD SP-020209 Liaison Statement from CN WG4 on Immediate Service Termination. This was introduced by the CN WG4 Chairman, Mr. I. Park. It provided some discussion and recommendation for the inclusion of CAMEL Phase 4 in various Releases. It asked TSG SA to consider whether to:

- Specify non-CAMEL IST functionality for UMTS Rel-4;
- Specify non-CAMEL IST functionality for UMTS Rel-5;
- Specify the applicability of IST to both GSM and UTRAN access.

It was concluded that CAMEL Phase 4 would be preferably non CAMEL IST Functionality in Rel-4 and Rel-5 and the IST functionality in the UTRAN.

02.32 42.032 would require withdrawal and 22.032 and 22.032 introduced to replace them (access technology independence).

SA WG3 were asked to discuss this taking into account the recommendations of CN WG4 and take appropriate actions with the affected specifications.

TD SP-020212 Liaison Statement from CN WG4 on Mandatory Use Of Transport Addresses sent by the MSC in a RAB Modification Request. This was introduced by the CN WG4 Chairman, Mr. I. Park. CN WG4 TSG SA (and TSG RAN) to consider how to proceed if RAN WG3 cannot accept CN WG4's request to agree the CR for mandatory use of transport addresses sent by the MSC in a RAB modification request, for

application to Release 1999 and Rel-4. A response from RAN WG3 was provided in TD SP-020216 which was also considered.

TD SP-020216 Answer Liaison on Mandatory Use Of Transport Addresses sent by the MSC in a RAB Modification Request. RAN WG3 discussed and agreed that the proposed change was not recognized as a faulty behaviour of a Release 1999 RNC. As solutions were available to be introduced on CN side RAN WG3 believes that the requested change is not an essential correction and therefore was not agreed on Release 1999. However, RAN WG3 agreed to have some optimisation from Rel-4 onwards, instead of Rel-5, making an exception for the frozen Release. SA considered that no action was necessary until this had been discussed in CN WG4. The LSs were then noted.

TD SP-020218 LS from CN WG4 on 3GPP specific Diameter applications. This was introduced by the CN WG4 Chairman, Mr. I. Park. CN WG4 asked TSG SA whether there are any groups which are using the 3GPP vendor-specific namespace in Diameter. TSG SA confirmed that other groups are not using the vendor-specific namespace and no clashes in it's use should occur.

TD SP-020219 LS from CN WG4 on Status of protocol work on Ze interface. This was introduced by the CN WG4 Chairman, Mr. I. Park. CN WG4 had continued the protocol work on the Ze interface but were not able to finalize the protocol work in the time frame of June 2002 and cannot provide an estimation of the date for completion of the needed work until we have had more time to analyse the requirements from SA WG3. The SA WG3 Vice Chairman (Mr. V. Niemi) reported that SA WG3 did not have any new requirements at the moment for MAPsec and a few open issues remained and that SA WG3 work on this is complete, pending feedback from Stage 3 work and IETF dependences on Key exchange protocols. It was concluded that unless further information was received for early completion of the work then the Ze interface feature would be moved to Rel-6.

6.2 Partners and their bodies

There were no specific contributions under this agenda item.

6.3 Others

TD SP-020207 Liaison Statement from ISO/IEC JTC 1/SC 29/WG11 to 3GPP on Advanced Text and 2D Graphics. This was introduced by the TSG SA Chairman. **SA WG4 was asked consider this in order to try to avoid overlap in standardisation** and to Liaise with ISO/IEC JTC 1/SC 29/WG11. SA WG4 Chairman reported that they had seen this LS in SA WG4 and a dialog had started.

TD SP-020208 Correspondence with SDOs on C-PDS in Foreign Mode. This was introduced by the TSG SA Chairman and was provided for information. No impact on the 3GPP work was expected and some questions for clarification may be received from the GSM Global Roaming Forum. The document was then noted.

TD SP-020213 Draft new Question Q. ets/16 on Emergency Telecommunications Service (ETS). This was introduced by the TSG SA Chairman and informed TSG SA that ITU-T SG16 had drafted a new Question on Emergency Telecommunications Service and requests information about 3GPP activities underway or proposed that address issues for emergency telecommunications. It was considered that the work done in 3GPP on Priority Services could be used for a response to this. The SA WG1 Chairman reported that a position statement had been created for this in TD SP-020229 which was then considered:

TD SP-020229 SA WG1 Position Statement related to ITU-T request for information on activities related to Emergency Telecommunications Services (ETS). This was introduced by the SA WG1 Chairman. TSG SA endorsed this position statement and the ITU-T co-ordination officer was asked to ensure that this is communicated to the ITU-T. MCC were asked to forward this to the PCG.

TD SP-020220 LIF TS 101 Specification Status update, for use in 3GPP TS 23.271 (Release 5). This was provided for information and was introduced by the TSG SA Chairman. It was noted that the LIF document had been publicly available since 3 June 2002.

TD SP-020364 An Open Letter to the Chairmen of 3GPP & 3GPP2. This was provided to TSG SA by TSG CN and was introduced by the TSG SA Chairman. The contribution was noted, and the topic revisited when the results of the TSG CN discussions had been considered (see agenda item 8.1.1).

TD SP-020365 An Open Letter to the Chairmen of 3GPP & 3GPP2. This was provided to TSG SA by TSG CN and was introduced by the TSG SA Chairman. The contribution provided for information and was noted, and the topic revisited when the results of the TSG CN discussions had been considered (see agenda item 8.1.1).

TD SP-020378 Liaison Statement announcing a Call for Proposal, a final specification, and new provisional specifications for public comments (http://www.tv-anytime.org). This was introduced by the TSG SA Chairman. It was recognised that there may be some interaction with the work of this body on the subject of DRM. A request for official Liaison was also requested with 3GPP Groups. It was agreed that a response would be sent which was provided in TD SP-020389 which was reviewed and approved.

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-020235 Status report of SA1 to SA #15. The status report of SA WG1 activities since TSG SA meeting #15 was presented by the SA WG1 Chairman using the slides provided in TD SP-020234.

DRM: It was reported that SA WG1 had agreed on 2 classes for DRM: "Forward Lock" and "Comprehensive DRM".

UE Functionality Split: It was reported that this is complete as possible within SA WG1 for Rel-5 and there is no interest in doing further work in Rel-6. (It was also confirmed that the ISIM and USIM functionality is included on the same UICC for Rel-5).

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

7.1.2 Questions for advice from TSG SA WG1

Status of IP Framework: SA WG1 proposed to withdraw this from Rel-5 and keep it open for progression towards Rel-6 if still considered relevant to the Release. It was recognised that the stage 1 would need to be available early during the Rel-6 development in order for the corresponding changes for Stages 2 and 3 to be completed. **The principle to withdraw IP Framework from Rel-5 was approved**.

Presence: raising TS 22. 141 from v5. 2.0 to v6. 0.0 (SA2 status of Presence?). **The principle to withdraw Presence from Rel-5 was approved**. **It was further noted that the same needs to be done for MBMS stage 1, TS 22.146** and this was also approved.

Converting VHE Stage 1 22.121 from TS to TR.

7.1.3 Approval of contributions from TSG SA WG1

TD SP-020236 Release 99/4/5 CRs to 22.004 on Correction of table 3.2. The impact on not accepting these changes for Release 1999 was questioned. It was unclear where the transparent and non-transparent facsimile services apply and the system impacts of this change in Release 1999. The Rel-5 CR (TS 22004 CR009)was withdrawn. The Release 1999 and Rel-4 CRs, CRs 007 and 008 were approved.

> REMARK: 3GPP Member Companies were reminded that CRs for Release 1999 and Rel-4 should be very clear on the impacts and consequences if they are not accepted, in order to allow good decisions to be made on essential changes to frozen specifications. The only *consequences if not approved* that would be acceptable would normally result in frequent and serious mis-operation of the system.

TD SP-020237 Release 99/4 CRs to 22.016 on Type approval code. These CRs were approved.

TD SP-020238 Rel- 4 CR on Editorial corrections to 22.011. This CR was approved. (above remark applies).

TD SP-020239 Rel-4 CR to 22.043 Correction of terminology and references. This CR was approved. (above remark applies).

TD SP-020240 Rel-4/Rel-5 CRs to 22.060 with Editorial Corrections. Some minor editorial problems were found (deletion of "3GPP" before specification references) and the CRs were updated to remove this in TD SP-020380 which was approved.

TD SP-020241 Rel-4/Rel-5 CRs to 22.060 on Removal of 'Erasure'. These CRs were approved.

TD SP-020242 Rel-4 CR to 22.135 Corrections on terminology. This CR was approved.

TD SP-020243 Rel-5 CR to 21.905 on removal of obsolete reference. This CR was approved. (Note: The deletion of reference [1] should be replaced with "[1] Void" on implementation of the CR).

TD SP-020244 Rel-5 CR to 22.002 Correction of terminology and references. This CR was approved.

TD SP-020245 Rel-5 CR to 22.003 on Corrections on ASCI and Fax due to GERAN Iu mode. This CR was approved.

TD SP-020246 Rel-5 CR to 22.057 on Correction usage of MExE application. This CR was approved.

TD SP-020247 Various Rel-5 CRs to 22.078 on CAMEL. TD SP-020372 was introduced CR146 was **rejected**. The way forward for this requirement was agreed to be as proposed in TD SP-020372 and input was expected at the next TSG SA meeting. CRs 144, 145 and 147 were approved.

TD SP-020280 Various Rel-5 CRs to 22.101 on Service principles. Some objection to adding the note in CR094 was raised. It was pointed out that the note was in line with agreements in previous TSG SA meetings that the possibility of the ISIM being separate from the USIM in a post Rel-5 Release. Due to the fact that this was an informative note, and therefore not an essential correction, it was decided to **reject** CR094, even though it was noted that this change had been requested by TSG SA in the previous meeting. CR095 was discussed and it was recognised that the removal of the CS interworking was specific to this document and not setting a precedent for the Rel-5 network. It was also agreed that the proposed note should be normative text. CR095 was revised and provided in TD SP-010381 which was approved.

TD SP-020248 Rel-5 CR to 22.105 GERAN Iu mode related updates. This CR was approved.

TD SP-020249 Various Rel-5 CRs to 22.127 on OSA. CR047 was discussed and it was recognised that the removal of the CS interworking was specific to this document and not setting a precedent for the Rel-5 network. These CRs were approved.

TD SP-020250 Rel-5 CR to TS 22.129 on access rights in connected mode. This CR was approved.

TD SP-020251 Rel-5 CR to 22.140 - Introduction of short codes for VASP addressing. It was clarified that there was no requirement for harmonised Operator codes in Rel-5. This CR was approved.

TD SP-020252 Rel-5 CR to 22.228 v5.5.0 on REL5 clean up. It was suggested that the specification should be checked to ensure that this CR covered the full set of changes required. The removal of PSTN interworking from the IMS specification was also questioned. It was pointed out that the ITU work is incomplete for this interface and it would be very difficult to specify the external boundary interworking until the interface is completely specified. After some discussion it was decided to allow time during the meeting for off-line discussions on the way forward. After discussions, the CR was revised in TD SP-020408 which was approved.

TD SP-020253 Various Rel-5 CRs to 22.944 on Service Requirements for UE Functionality Split. These CRs were approved.

TD SP-020254 Various Rel-6 CRs to 22.071 on Location Services. These CRs were approved.

TD SP-020255 Various Rel-6 CRs to 22.101 on Service principles. CR096 "*Correction of references and creation of rel 6 version*" was approved. CR097 "*Release 6 ISIM requirement*" was discussed. The separation of ISIM in Release 6 was questioned as no decision on if and when this would happen, or even if it is technically feasible had been made in 3GPP. It was thought that the requirements required further elaboration to clarify the full impact and implications of the requirements and SA WG1 were asked to further study this and return with the full set of associated requirements. The CR was therefore **rejected**. It was noted that this did not imply a rejection of the principles included in the CR for USIM requirements.

TD SP-020256 Rel-6 CR to 22.127 on Access to IP Session Information. This CR was approved.

TD SP-020257 Various Rel-6 CRs to 22.146 on MBMS. These CRs were approved.

TD SP-020258 Various Rel-6 CRs to 22.228 on Service requirements for the IP Multimedia Core Network Subsystem. In line with the decision for CRs in TD SP-020255 CR015 was rejected and CR016 was approved. SA WG1 were asked to further study this and return with the full set of associated requirements.

TD SP-020259 TR 22.977, Version 1.0.0 for Speech Enabled Services for information. This TR was provided for information and was noted. Members were asked to consider this and contribute any comments to SA WG1.

TD SP-020260 TR 22.950, Version 2.0.0 Priority Service Feasibility Study Report for approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020261 TS 22.242, Version 2.0.0 Digital Rights Management for approval. A related contribution was provided in TD SP-020325 "*Clean-up of requirements in TS 22.242*" which requests the removal of the FFS note about DRM security being based on a proven security component. As this was not an objection to the approval of the TS, TS22.242 was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). TD SP-020325 considered the DRM security component statement to be out of scope of the TS, and was thought to be better handled by SA WG1 in their meeting and SA WG1 was asked to take this proposed CR at their next meeting.

TD SP-020262 Updated WID on speech recognition framework. It was clarified that this work was broader than DSR. This WI description was approved.

TD SP-020263 Updated Presence Service WID. This updated WI description was approved.

TD SP-020264 WI for Location services enhancements (Release 6). This WI description was approved.

TD SP-020265 WI for IMS enhancements (Release 6). This WI description was approved.

TD SP-020266 WI for the Push Service for (Release 6). It was clarified that this is a new Push Service WID, as there was no SA WG1 specific WID on this at present. It was also clarified that the note about work in other bodies intended to indicate that Push Service related work in other bodies may be utilised for the 3GPP Push Service requirements description. It was also clarified that the completion of this WI did not affect the completion of other WIs at this time. This WI description was approved.

TD SP-020230 Liaison Statement on draft Push stage 1 for information. The attached TS was presented to TSG SA for information, but was considered fairly stable and feedback from other groups, who would receive the draft for comment was expected to complete the document. This TS was then noted. Delegates were asked to read the TS and provide comments to SA WG1 to progress the finalisation of this TS.

TD SP-020267 Status of Rel-4 to Rel-5 TSs and TRs under SA1 control. The recommendations made by SA WG1 in this document were endorsed by TSG SA.

TD SP-020390 CR to 02.16: on combining the TAC & FAC fields of the IMEI (R97). This CR was not considered essential as if the algorithm is used correctly on the 6 bit TAC and 2 bit FAC fields then the system will work correctly. The CR was therefore rejected.

TD SP-020391 CR to 02.16: on combining the TAC & FAC fields of the IMEI (R98). This CR was not considered essential as if the algorithm is used correctly on the 6 bit TAC and 2 bit FAC fields then the system will work correctly. The CR was therefore rejected.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-020308 SA2 report at SA#16. The status report of SA WG2 activities since TSG SA meeting #15 was presented by the SA WG2 Chairman.

The SA WG2 Chairman was thanked for presenting the report which was noted.

7.2.2 Questions for advice from TSG SA WG2

There were no specific contributions under this agenda item.

7.2.3 Approval of contributions from TSG SA WG2

TD SP-020310 CRs against 23.002. These CRs were approved.

TD SP-020311 CRs against 23.060. These CRs were approved. It was noted that 23.060 CR358 should be marked as revision 1 on the cover page table.

TD SP-020312 CRs against 23.107. These CRs were approved.

TD SP-020314 CRs against 23.127. These CRs were approved.

TD SP-020315 CRs against 23.207. These CRs were approved. It was noted that CR028 should be revision 2 on the cover page.

TD SP-020313 CRs against 23.121. These CRs were approved.

TD SP-020317 CRs against 23.228. These CRs were approved.

TD SP-020377 CRs against 03.71, 23.171 and 23.271. All CRs were approved **except for CR079, 080, 081 and 092,** creating Rel-6 of TS 23.271: These were postponed because they were not created against the last available version of the TS. It should be verified whether there is a need for corresponding CRs to later Releases of 03.71 R98 (with mirror CR to R99). CRs 081 and 092 were withdrawn and CRs 079 and 080 were revised in TD SP-020405 which was approved.

TD SP-020321 WID on LCS enhancements 2. It was agreed to add a statement at the end of section 4.2 "if such requirements are defined in SA 1" which was done and the WID provided in TD SP-020384 which was approved.

TD SP-020322 WID for GMLC-GMLC interface. It was clarified that the indicated impacts on "Others" was for further study. This WI description was approved.

TD SP-020323 LS (Cc SA, T) on GUP work progress. This was introduced by the SA WG2 Chairman and was provided for information to TSG SA. The LS was noted.

TD SP-020319 TR 23.841 v.2.0.0 on Presence Service Stage 2. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). **The TSG RAN Chairman asked SA WG3 to start work on the Presence security aspects as soon as possible**.

TD SP-020379 TR 23.871 v 2.1.0 on User Privacy in LCS. This TR was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020361 TR 23.846 v.1.0.0 on MBMS. This TR was provided for information and was noted. Delegates were asked to verify this TR, particularly from the Security and Radio perspectives and to make comments to SA WG2.

TD SP-020217 Release 5 QoS Class of Service Definitions. This was introduced by BT and proposes that the specification of the Interactive Class in TS 23.107 needs to be tightened to meet the e-Commerce requirements on delay and asks TSG SA to task SA WG2 to study this and provide CRs in line with the discussion provided by the contribution to the next TSG SA meeting for approval. TSG SA noted the contribution and asked SA WG2 to treat any inputs on this they receive at their meetings and to investigate the impacts on SA WG1 work. BT were asked to provide contribution to SA WG2 to progress this issue.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-020337 Report of SA WG3 activities to TSG SA #16. The status report of SA WG3 activities since TSG SA meeting #15 was presented by the SA WG3 Vice Chairman (Mr. V. Niemi).

Following agreements made at TSG SA meeting #15, an e-mail vote was organized to resolve the deadlock in the selection of IMS first-hop integrity protection mechanism:

- IPSEC/ESP – based solution was chosen by clear majority (18 against 6)
- This implies a big CR to IMS security architecture 33.203 which moves the IPSEC mechanism from the Annex to main body (see TD SP-020351).

TD SP-020338 Reports of SA WG3 meetings held since TSG SA#15. This was provided for information and was noted.

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

7.3.2 Questions for advice from TSG SA WG3

TD SP-020231 Reply LS to CN WG4 on Immediate Service Termination. This LS to CN WG4 confirmed the SA WG3 view to be in line with CN WG4 on IST specifications status. The LS was noted.

7.3.3 Approval of contributions from TSG SA WG3

TD SP-020339 CRs to 22.022: IMEI format for de-personalisation over the air (Release 1999 / Rel-4). These CRs were approved. It was noted that the CR cover sheet did not provide a full system impact of the essential correction if it were not approved. This needs to be fully clarified on all future Release 1999 CRs.

TD SP-020340 CRs to 33.102: Optional use of Access Link Data Confidentiality (Release 1999 / Rel-4). These CRs were approved.

TD SP-020341 CRs to 33.102: Clarification of ciphering indicator (Release 1999 / Rel-4). There was an objection to double specification of the ciphering indicator, particularly for the frozen Releases. These CRs were **rejected**.

TD SP-020342 CRs to 33.102: Encryption/Integrity algorithms ordered by preference in Security Mode command (Release 1999 / Rel-4). These CRs were approved.

TD SP-020343 CRs to 33.102: Correction of (U)SIM toolkit security reference (Release 1999 / Rel-4). There was some question over the correction of some references from GSM numbers to 3GPP numbers whereas others were not updated. It was clarified that the existing specifications which were GSM and UTRAN applicable had been updated. SA WG1 were asked to investigate why the GSM access appears to be applicable only to Release 1999. These CRs were approved.

TD SP-020344 CRs to 33.102: Clarification of sequence number management (Release 1999 / Rel-4). The value of adding the proposed information in Release 1999 and Rel-4 was questioned, under the principle to not make anything but essential changes that would otherwise cause system problems in frozen Releases, CR173 was therefore **rejected** and CR174 was revised as a Rel-5 CR in TD SP-020385 which was approved.

TD SP-020345 3 CRs to 33.107: "Changes to 33.107 to support interception at a GGSN", "Addition of SMS type information" and "Inclusion of Serving System IRI in TS 33.107" (Rel-5). These CRs were alignment

CRs to TS 33.108, provided for approval in TD SP-010357 which was considered and approved before presenting these CRs. The terminology used for handover was questioned and SA WG3 LI Group were asked to use more generally accepted terms in their specification work. These CRs were approved.

TD SP-020346 CR to 33.203: ISIM related parameters (Rel-5). The term "plastic roaming" was used ambiguously on the CR cover sheet and it was noted that this CR does not preclude that a UICC can be moved from one terminal to another. This CR was then approved.

TD SP-020347 CR to 33.203: Reference of HTTP Digest AKA in TS 33.203 (Rel-5). This CR was approved.

TD SP-020348 CR to 33.203: Clean-up of section 6.1.1 (Rel-5). This CR was approved.

TD SP-020349 CR to 33.203: Integrity protection indicator (Rel-5). This CR was approved.

TD SP-020350 CR to 33.203: UE and P-CSCF Behaviour on an Incomplete Authentication (Rel-5). This CR was approved.

TD SP-020351 CR to 33.203: Requested Changes for SIP integrity (Rel-5). It was clarified that "SPI" is a long-established IETF term and cannot be changed by SA WG3 in the specification. This CR was approved.

TD SP-020352 CR to 33.203: Clean-up of clause 7.3 (Rel-5). The changes were considered more than editorial in nature and the CR was approved as a Category "F" CR.

TD SP-020353 CR to 33.203: Security association handling in IMS when the UE changes IP address (Rel-5). The text referencing RFC was considered unclear and the CR was revised in TD SP-020386 which was approved.

TD SP-020354 CR to 33.203: Remove Annexes that describes Extended HTTP Digest solution (Rel-5). This CR was approved.

TD SP-020355 CR to 33.210: NDS/IP Confidentiality protection for IMS session keys (Rel-5). It was clarified that NDS/IP (TS 33.210) is optional for implementation and the requirement applies only to Operators who conform to the specification. This CR was approved.

TD SP-020356 CR to 33.210: Strengthening the requirements on IV construction to prevent attacks based on predictable IV (Rel-5). This CR was approved.

TD SP-020357 TS 33.108 version 2.0.0: " Handover Interface for Lawful Interception". This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020358 Work Item description: DRM (Digital Right Management) Security. The timescales were questioned. It was explained that the overall DRM timescales are not clear and SA WG3 had difficulty in estimating the time required to complete work. The SA WG1 Chairman asked that all WGs focus on the impacts on their own work when writing WIDs and acknowledge the responsibilities of other WGs under appropriate headings, e.g. *Service Requirements* should make reference to SA WG1. This WI description was then approved and SA WG3 were asked to update the WID for the next TSG SA meeting.

TD SP-020359 Work Item description: Network Domain Security; Authentication Framework (NDS/AF). It was suggested that the Long Term Evolution Group should provide input requirements. It was explained that in Rel-5 the authentication is between Operator NEs, and future architecture would require protection over additional interfaces (e.g. inter-Operator interfaces) and the complexity will increase. The Authentication Framework is intended to help in the management of the Security mechanisms. It was agreed to include only the Feasibility study part of the WID at this time, and ask SA WG3 to return to TSG SA #17 with results of the study. The WID was revised accordingly in TD SP-020387 which was reviewed and approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-020221 SA WG4 Status Report at TSG SA#16. The status report of SA WG4 activities since TSG SA meeting #15 was presented by the SA WG4 Chairman.

Slide 13: Clarification on the need for a new MBMS Codec or re-use of existing Codec was requested. It was clarified that SA WG4 need to study if existing Codecs could be re-used for MBMS or whether a new Codec would be needed. The preference would be to re-use Codecs wherever possible.

IMTC (International Multimedia Telecommunications Consortium) and ISMA (Internet Streaming Media Alliance): The SA WG4 Chairman could not provide detailed answers to questions on the work of these bodies, but reported that a request for official Liaison to 3GPP Groups had been sent to the PCG Secretary.

Further info is available at http://www.imtc.org (http://www.imtc.org/activity.htm) and http://www.isma.tv.

There was no objection to establishing such Liaison and it was agreed to add them to the list of new Bodies

for Liaison for endorsement by the PCG.

It was requested that further discussion on the issues raised in the Report should be made using the e-mail reflector.

Slide 3: QoS parameters for various Media Types. It was clarified that slide 11 provides details of the SA WG4 work done on this. Input from other WGs was expected to explain the impacts on other specifications.

Slide 12: It was clarified that SA WG4 is involved in the evaluation of topics in Rel-6, and it is not decided whether SA WG4 will be directly involved in PS Streaming for IMS in Rel-6; a Joint meeting with SA WG1 has been scheduled 11th July 2002 at Rome to discuss WID on PS Streaming in Rel-6.

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

7.4.2 Questions for advice from TSG SA WG4

There were no specific contributions under this agenda item.

7.4.3 Approval of contributions from TSG SA WG4

TD SP-020222 CR to TS 06.74 on Update of set DTX test vectors for VAD option 1 (R98). This CR was approved.

TD SP-020223 CRs to TS 26.103 on Default Codec Type UMTS_AMR2 (R99, Release 4 and 5). These CRs were approved.

TD SP-020224 CR to TS 26.140 on Correcting the reference to AMR and AMR-WB RTP payload (Rel-5). T WG2 were asked to take note of this CR. The SA WG4 Chairman agreed to inform T WG2 of any changes made to TS 26.140 (MMS work). This CR was approved.

TD SP-020225 CRs to TS 26.234 on Corrections Based on Interoperability Issues, and Mime media type update (Release 4). These CRs were approved.

TD SP-020226 CRs to TS 26.234 on Corrections Based on Interoperability Issues, Mime media type update, sample Description atom and Timed Text Format (Release 5). These CRs were approved.

TD SP-020227 CRs to TS 28.062 on Corrections to Clauses 9 and 10, and Clarifications of Extendibility of TFO Messages (Release 4). These CRs were approved.

TD SP-020228 CRs to TS 28.062 on Corrections to Clauses 4 to 10 and to Annexes C and H, Additional TFO_Message Elements for Immediate Codec Type Optimisation, TFO Version Handling (Release 5). These CRs were approved.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-020281 SA WG5 Status report to SA#16. The status report of SA WG5 activities since TSG SA meeting #15 was presented by the newly appointed SA WG5 Chairman (Mr. M. Truss).

IMS Charging (32.225): Much progress made since last TSG SA meeting, but still many outstanding issues.

Slide 6: Relationship between 3GPP and 3GPP2 - The "North-Bound" Interfaces were explained to be the ITFN in 3GPP and is the primary OAM Management interface.

Slide 17: Completion dates compared to those on Slide 19 were questioned. It was clarified that one is the BB and the other the Feature Completion Dates.

The SA WG5 Chairman was congratulated on his election as Chairman of SA WG5 and was thanked for presenting the report, which was noted.

7.5.2 Questions for advice from TSG SA WG5

TD SP-020278 LS on Subscriber and Equipment Trace Impacts. This was presented by the SA WG5 Chairman and was copied to TSG SA for information. The main impact would be on GERAN and RAN work. The LS was noted.

TD SP-020210 LS reply from SA WG5 on: “3GPP System – WLAN Interworking”. This was presented by the SA WG5 Chairman and was copied to TSG SA for information. The LS was noted.

TD SP-020383 LS from GSM NA: re OAM&P standardization. This was introduced by the SA WG5 Chairman and SA WG5 had provided a response in TD SP-020211.

TD SP-020211 Reply LS from SA WG5 on "OAM&P standardization" from GSM NA. This was presented by

the SA WG5 Chairman and was copied to TSG SA for information. The activity was reported as ongoing and SA WG5 would respond to GSM NA to inform them of the status. The LS was then noted.

7.5.3 Approval of contributions from TSG SA WG5

TD SP-020282 Rel-4 CR 32.111-3 (Fault Management; Part 3: Alarm Integration Reference Point: CORBA SS) Addition of 'indeterminate' probable cause in IDL definition. This CR was approved.

TD SP-020283 2 Rel-4 & Rel-5 CRs 32.111-4 (Fault Management; Alarm Integration Reference Point; Part 4 CMIP SS) Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions. These CRs were approved.

TD SP-020284 3 Rel-5 CRs 32.111-4 (Fault Management; Alarm Integration Reference Point; Part 4 CMIP Solution Set). These CRs were approved.

TD SP-020285 6 Rel-4 & Rel-5 CRs 32.200, 32.205, 32.215 and 32.235. These CRs were approved.

TD SP-020286 4 Rel-4 & Rel-5 CRs 32.200 and 32.215. These CRs were approved.

TD SP-020287 5 Rel-5 CRs 32.200 (Charging principles). These CRs were approved.

TD SP-020288 2 Rel-4 & Rel-5 CRs 32.215 (PS charging): Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data. These CRs were approved.

TD SP-020289 4 Rel-5 CRs 32.215 (PS charging). These CRs were approved.

TD SP-020290 2 Rel-5 CRs 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS). These CRs were approved.

TD SP-020291 4 Rel-5 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM). These CRs were approved.

TD SP-020292 2 R99 & Rel-4 CRs 12.04 & 52.402 (Performance measurements - GSM): Correction of erroneous definitions of SGSN measurements. These CRs were approved.

TD SP-020293 2 R99 & Rel-4 CRs 12.04 & 52.402 (Performance measurements - GSM): Remove irrelevant definitions for SGSN measurements related to Ciphering Mode. These CRs were approved.

TD SP-020294 Rel-4 CR 32.603 (Basic configuration management IRP: CORBA SS): Correcting IDL definitions of notification structured event Name Value pair names. These CRs were approved.

TD SP-020295 Rel-5 CR 32.611 (3G configuration management: Bulk CM IRP requirements): Adding Bulk CM IRP requirements for Rel-5. This CR was approved.

TD SP-020296 3 Rel-4 CRs 32.612, 32.613 & 32.614 (Bulk configuration management IRP: Information service, CORBA SS & CMIP SS) : Correction of behaviour for IS parameter "saveFallback" of IS operation "activate". These CRs were approved.

TD SP-020297 Rel-4 CR 32.613 (Bulk configuration management IRP CORBA SS) : Add missing CORBA exceptions and descriptions of CORBA exception usage. This CR was approved.

TD SP-020298 Rel-5 CR 32.615 : New structure of specifications for definition of Bulk CM IRP XML file formats - for Approval & 4 new v100 draft TSs 32.625/635/645/655 - for Information. The CR was approved and The TSs were provided for information and were noted.

TD SP-020299 Rel-4 CR 32.622 (Generic network resources IRP: NRM) : Remove R99-inherited restriction of self-containment for MOC SubNetwork. This CR was approved.

TD SP-020300 2 Rel-4 CRs 32.624 (Generic network resources: IRP CMIP Solution Set). These CRs were approved.

TD SP-020301 Rel-5 CR 32.631 (Core network resources IRP: requirements) : Adding CN Management requirements over Interface-N for Rel-5. This CR was approved.

TD SP-020302 2 Rel-4 CRs 32.632 & 32.633 (Core Network Resources IRP: NRM & CORBA SS) : Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW). These CRs were approved.

TD SP-020303 Rel-4 CR 32.642 (UTRAN network resources IRP: NRM) : Corrections of reference in figure 6.2 and of attribute descriptions in UtranRelation. This CR was approved.

TD SP-020304 2 Rel-4 CRs 32.642 & 32.652 (UTRAN & GERAN network resources IRP: NRM) : Correction of supported IRP in system context. These CRs were approved.

TD SP-020305 2 Rel-4 CRs 32.652 (GERAN network resources IRP: NRM) : Correction of supported IRP in

system context. These CRs were approved.

TD SP-020327 Rel-5 draft TS 32.225 v150 (Charging data description for the IP Multimedia Subsystem) - for the 2nd time for Information. It was reported that the Message Flows still required further elaboration in the TR. This TS was provided for information and was noted.

TD SP-020328 4 new Rel-5 draft v100 TSs 32.321/2/3/4 (Test management IRP; Requirements/ IS/ CORBA SS/ CMIP SS) - for Information. These TSs were provided for information and were noted. It was requested that a cover sheet explaining the major issues with drafts are provided with documents provided for information to TSG Plenary.

TD SP-020329 2 new Rel-5 draft v100 TSs 32.671 & 32.672 (3G Configuration Management; State Management IRP: Requirements & Information service). These TSs were provided for information and were noted..

TD SP-020330 Rel-6 draft TS 32.421 v100 (Subscriber and Equipment Trace: Trace Concepts and Requirements). This TS was provided for information and was noted. Delegates were invited to study the document and provide feedback to SA WG5.

TD SP-020331 Rel-5 draft TR 32.802 v200 (User Equipment Management UEM feasibility study), in co-operation with T2. This TR was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020332 Rel-6 BB-level Work Item Description on Trace Management. It was clarified that this was a revision of a WID which was submitted as a Rel-5 Feature and is now re-submitted as a Rel-6 as a Building Block. It was also reported that the completion dates would need confirmation from other involved WGs and this may require update depending on feedback received by SA WG5. "*Rel-6*" was removed from the title of the WID and it was approved.

7.6 3GPP Work plan

TD SP-020306 Work Plan v. June 4th. This was provided by the MCC Work Plan manager, for information and review within the WGs and was noted. The MCC review of the Work Plan was provided in TD SP-020392.

TD SP-020392 MCC review of the Work Plan (before TSG#16). This revision of original input presentation Slides to other TSG meetings included comments received at those meetings. The slides were presented by the MCC Work Plan manager.

Slide 38: It was clarified that the Codec Selection for GSM-UTRAN interworking impacts on the GERAN Iu Work Item.

Slide 49: Study Item on UE Split is not finalised as the current specifications do not support UE Split. Review of the Feasibility study was done at a joint SA WG1 / SA WG3 session. If work is required in SA WG1 for Rel-6 then interested companies need to contribute on this to SA WG1.

Slide 23: It was clarified that TR 23.815 was completed and the technical part of the internal TR was taken by SA WG5 for their Charging documents.

Slide 25: The Interface at Go is completed.

Slide 61: It was clarified that the OFDM completion date should be June 2003.

Questions raised in the Presentation:

Slide 20: If the work for PS/IMS conversational Multimedia applications characterisation work is considered necessary, then funding would need to be found for this (as raised by SA WG4). Interested Members were asked to consider how to fund such tests and if no contribution is received at TSG SA#17 then the WI will be deleted.

Slide 22: It was confirmed that 33.108 includes the IMS LI Handover Interface.

Slide 27: GTT support for Cellular Text Modem - TSG CN were not aware of the open issue and therefore no work is being done. The Open Item will be deleted. It was also agreed that GTT should be Release Independent. It was determined that the decision had been made to provide GTT specifications in such a way as they can be implemented in earlier Release Networks.

Slide 31: CAMEL-IMS in Rel-5 - It was agreed that this would be postponed to a later Release.

Slide 43: Iu-Flex. SA WG1 Chairman suggested that a Stage 1 specification would be preferable in future for such operational related Features. This comment was noted.

Slide 45: End-to-end QoS. No Input had been received in RAN WG2 for the Mapping of RAB parameters to end-to-end QoS parameters. It was noted that work has begun on this mapping but this guidance material

should have no impact on inclusion of this in Rel-5. TSG RAN will report any serious problems encountered.

Slide 52: Emergency Call Enhancements - Service number / emergency number conflict. This should be debated in SA WG1 and SA WG2 and interested Members were asked to contribute on this topic. SA WG1 to report back to TSG SA any resolution on the issue.

Slide 55: Network Sharing / Shared Network support in connected mode. A resolution for the confusion of these two independent Features having similar names should be resolved by TSG RAN. TSG RAN confirmed that TSG RAN had agreed that this should remain in Rel-5. It was noted that the work had not been done to include this in the GERAN for Dual-Mode interworking. **It was agreed to allow until September 2002 for finalisation of this Feature and allow it to remain in Rel-5. If it is incomplete in September it may be moved out of Rel-5.**

Slide 76: Speech Recognition and Speech Enabled Services: The finalisation date was moved to December 2002. It was agreed to move this out of Rel-5.

The updated Work Plan was provided in TD SP-020402 which was briefly introduced by the MCC Work Plan manager. Still open was the question of Release Independence for GTT, which had been left for off line discussion. It was considered that the Radio Impact is minimal and backward compatibility to Release 1997 should not be a problem. Rather than create all new specifications back to Release 1997, CN WG1 were asked to propose the best way to insert the Release Independence for GTT into the specification sets for Release 1997 onwards. The document was updated in TD SP-020409 which TSG SA endorsed as **reflecting the current status of the 3GPP work**.

7.7 Review of TSG SA work programme

There were no specific contributions under this agenda item. The work programme was reviewed and updated under agenda items 8.6 - 8.9.

7.8 Letters to other groups

The following Liaisons were produced during the meeting:

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<TABLE TO BE ADDED>

7.9 Other issues

There were no specific 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-020368 Draft report from CN#16. The draft report was provided for information and noted.

TD SP-020369 Draft report from CN#16 (presentation slides). The Report of activities in TSG CN was presented by the TSG CN Chairman.

Release 1997, 1998, 1999 and Rel-4 Status:

- Reiterated directive for WGs to be critical in approving CRs to frozen releases;
- Transfer operator identifier part of APN name (Release 1997): Needed for GPRS charging;
- Combine TAC & FAC fields of IMEI: Needed to ensure harmonization between 3GPP2 & 3GPP mobiles;
- AMR2 CR completed to 24.008 (Release 1999): It is clarified that in Release 1999 for speech calls in UMTS the network only supports the UMTS AMR Codec. Furthermore, a note is added that the UMTS AMR 2 Codec in the MS can interwork with the UMTS AMR Codec in the network without problems;
- CN WG1 agreement on use of cause code#14 (Release 1999): Operator should not use this code to its own subscribers in Network mode 1 (Looping can result);
- EDGE support in pre-Release 1999 networks: Ongoing discussions with GERAN and SA WG1. TSG CN questioned whether this is a functional change to a frozen release, and if so, whether it is acceptable;
- Corrections to IPv6 address allocation procedures (Release 1999);

IMS has been completed: (some open items detailed in TD SP-020382).

Questions / Comments:

Slide 11: Charging Impacts and OSA Charging-related API schedule: Go interface has an open item on Charging. A charging identifier has been added to handle the final requirements when received from SA WG5.

Slide 12: It was confirmed that the TSG CN MBMS WI was approved and input is now expected from TSG RAN WGs.

Slide 13: IP CN Harmonisation: Can TSG SA agree on a position and establish formal links. It was suggested that this is dealt with under the agenda item where the inputs are available.

IETF dependencies Status List: The TSG CN Chairman reported that this should be dealt with under the overall status of Rel-5 agenda item.

Motorola reminded the TSG CN Chairman that TSG CN had discussed re-organization of work as a side issue. TSG CN is willing to take responsibility for the GPRS and LCS detailed stage 2 specifications. The TSG CN Chair had had off line discussions with the SA2 Chair and it was reported that SA WG2 would still like to keep the responsibility for these specifications at this time.

The TSG CN Chairman reported that a re-organisation had been made during the Plenary in an attempt to better distribute the work load among the WGs. Difficulties were found in dividing some work areas, without increasing the liaison workload between them.

Slide 12: Presence: SA WG2 WI has been approved and more input is required from SA WG2 to complete Presence in TSG CN.

Questions for Guidance to TSG SA:

Are the following still part of Rel-5?

- CAMEL for IMS (CN recommends Yes) Yes
- Ze (completion date not known) Moved to Rel-6
- Network Sharing (dependent on RAN3 solutions) "*Basic Network Sharing*" for Rel-5 is being worked on by RAN WG3.
- IMS<->CS interworking Proprietary solutions allowed in Rel-5, WI moved to Rel-6

IPv4/IPv6 Interworking:

- Aligned with SA2 position
- Note that use of IPv6 GSN addresses in a pre-Release 5 GPRS network can cause interoperability problems

TSG SA remarks: This discussion on IPv6 interworking issues should be taken in SA WG2 and conclusions provided to relevant WGs.

Coordinated position on IP CN Harmonization

- CN position stated in SP-020366
- CN did not address relationship to evolution workshops

TSG SA remarks: See discussion and conclusions for TD SP-020366 below.

TD SP-020382 Open items list on CN Release 5 specifications. The TSG CN Chairman presented the list of Open Items for Rel-5. The document was noted.

TD SP-020367 LS on Co-ordination of SDO input to ITU-T Q.1741.2. The TSG CN Chairman introduced this LS, which was provided to TSG SA for information. The LS was noted.

TD SP-020362 Bundle 2 RFC numbers from IETF. This was introduced by the TSG CN Chairman and was provided for information. It was clarified that the numbers provided were for information and not publicly recognised by the IETF at this time. The document was noted.

TD SP-020363 IETF deliverable status preceding the CN#16 plenary. This was introduced by the TSG CN Chairman and was provided for information and was noted.

It was reported that Ms. Ileana Leuca had stepped down as IETF Co-ordinator and that the role would be continued as part of the work currently performed by Mr. S. Hayes (TSG CN Chairman). **Ms. Leuca was thanked by TSG SA for her very valuable work in this role**.

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

TD SP-020366 LS on CN Recommendations for Implementing CN Harmonization. This was presented by the TSG CN Chairman and provided some recommendations for Implementing CN Harmonization, with the aim of not interrupting the ongoing work in 3GPP and in line with current working procedures.

The recommendations were discussed. There was an objection to the 3rd bullet point 2nd sentence "*Work items furthering access independence and IP transport independence in IMS are encouraged*" as this was referring to a technology solution rather than to the goal for general harmonisation.

It was concluded that the principles provided in the document were a good way forward in order to participate in the spirit of the conclusions of the Harmonisation Workshop, and the TSG SA Secretary was asked to produce an equivalent document for TSG SA removing the text objected to in the 3rd Bullet, which were endorsed by TSG SA. The TSG SA Chairman agreed to raise these Recommendations to the PCG for endorsement.

The TSG SA position is provided below:

Following consideration of the output of the Harmonisation Workshop and Recommendations proposed in a Liaison Statement from 3GPP TSG CN, TSG SA provide the following Recommendations in order to participate in the spirit of the conclusions reached at the Harmonisation Workshop:

- The primary mechanism for coordination of the IP CN between 3GPP and 3GPP2 should be via joint participation in each other's meetings. The responsibility for ensuring harmonization would be up to individual members attending both meetings.
- Harmonized work is best accomplished by having work done in a single body. Common parts of IMS should be developed in the 3GPP. 3GPP should extend Guest status to those 3GPP2 companies that are not Members in 3GPP. However, 3GPP2 companies who wish to participate for an extended time are encouraged to join the 3GPP. 3GPP2 is encouraged to extend similar courtesies to 3GPP Member companies.
- Work furthering harmonization should be driven via work items introduced via the normal 3GPP process.
- 3GPP and 3GPP2 groups should attempt to avoid meeting collisions with their counterparts to facilitate cross-attendance.
- Additional communication channels should be utilized. In particular, 3GPP2 individuals are encouraged to subscribe to the relevant 3GPP e-mail lists. 3GPP should also ensure that it is possible to send liaisons to appropriate groups within 3GPP2.

The LS was then noted.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Information was provided in the TSG CN Report.

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-020360 Status Report from TSG RAN to TSG SA #16. The Report of activities in TSG RAN was presented by the TSG RAN Chairman.

Release 1999 and Rel-4: Review of solutions for early Release 1999 UE (including Marker bit). An e-mail discussion is to take place until the end of July (moderator Alan Law, Vodafone) in order to allow WGs to elaborate CRs for TSG RAN #17. TD SP-020388 contains description of potential solutions to provide network with means to handle behaviour of UEs that have been modified. Recommendations to WGs to handle Release 1999 CRs established to minimise number of unnecessary CRs to Release 1999 and Rel-4 (see also Annex 1 of the Status Report).

Rel-5: Work on Release 5 is almost complete:

- CRs to correct HSDPA have started to fly in for approval. Also corrections approved for:
  - Enhancement of DSCH hard split mode;
  - Radio Link Timing adjustment;
  - IP transport in UTRAN.

The following work items have been completed:

- TDD BS Classification;
- Low Chip Rate TDD BS Classification;
- Support of Site Selection Diversity transmission in UTRAN;
- PDCP RFC 3095 Context Relocation (as part of RAB Support enhancement).

A CR on Tightening of inter-cell soft-handover performance requirements for 144 kbps and 384 kbps tests agreed for Rel-6 (as part of Improving Receiver Performance Requirements for FDD UE).

Work on Release 5:

- High Speed Downlink Packet Access (HSDPA) RF to be finished by September 2002, except Tx diversity (to be finished by December);
- Work on UTRAN sharing for UE in connected mode could not be concluded for this meeting. Choice of solution left for next meeting. If TSG-RAN WG3 cannot conclude, decision will be made by Vote at TSG-RAN #17. Information to be forwarded on RAN exploder at end of July for vote;
- Process to incorporate modifications due to GERAN for Iur: RAN approved the CRs in principle but requests PCG endorsement of the way forward;
- Liaison to ITU – T was agreed on AAL2 issues. It will be sent to PCG for approval and then forwarded to ITU-T Coordinator ad hoc chairman.

Guidance on Further CRs proposed by TSG RAN WG for Release 99:

It was agreed in TSG RAN that a set of rules shall be provided to Working groups within TSG RAN WGs in order to ensure a consistent approach between the different WGs.

- TSG RAN Working groups are tasked to review the status of the stage 2 documents and consider which one could be turned into reports;
- Before a CR can be considered as essential for Release 1999, the following questions shall be considered:

  Is the correction needed because the system cannot function correctly without this correction? If the answer is **no** then the CR is not essential for Release 1999.
- Furthermore, linked CRs shall be presented all together in a separate document for approval at RAN with an indication of the leading CR so that they can be approved or rejected at the same time. Please remember that all CRs shall be of the same category and that reference to the CR shall be indicated in the 'other specs impacted' element, even when the linked CRs are coming from different Working Groups this rules. The above information shall be incorporated on the CR cover sheet.

Questions / Comments:

Slide 2: Were there any critical Release 1999 CRs approved? - This is not clear and the new rules introduced should result in only critical essential Release 1999 CRs being presented and approved by TSG RAN.

Slide 3: The alignment of RAN specifications with Test specifications is a continuous task of review and update with T WG1. Companies are providing resources to help T WG1 review and update their test specifications.

Slide 13: It was clarified that the linked CRs will be bundled into the same TSG RAN TD by MCC in order to allow all to be considered for approval together. This is to reduce the risk of one aspect of a change being approved when another is rejected, which may then require further CRs to align the specification set.

Slides 6-9: Release 6 target dates: How were these decided upon? The target dates for "Beyond Rel-5" were estimated based upon the completion dates of work items, independent of their intended Release.

Slide 5: HSDPA RF finalisation: How complete is this? This is difficult to estimate as the correctness of the specifications still needs evaluation before the stability level of the specifications can be determined.

Slide 5: UTRAN sharing discussions are ongoing with various proposals for solutions available. The e-mail discussion to determine the most appropriate solution of combination of solutions to choose. Delegates were encouraged to participate in this debate.

TD SP-020388 Methods to handle early mobiles. This was provided for information and was noted as part of the TSG RAN Chairman's Report.

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

There were no specific contributions under this agenda item. Information was provided in the TSG RAN Report.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Information was provided in the TSG RAN Report.

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-020394 Draft report of TSG T meeting #16. The draft report was provided for information and noted.

TD SP-020394 Status Report from TSG T to TSG SA #16. The Report of activities in TSG T was presented by the TSG T Chairman.

T WG1 Conformance Testing: Overall status:

The overall status is thought to be quite good. 3GPP test cases test the conformance of fully functional protocols and timing of the availability of at least the first package of those test cases seems to be appropriate. The biggest task is to update the both prose and TTCN to new versions of the core specifications. This task is difficult to estimate and brings risk to both the TTCN budget and to the planned increase of coverage of the prose test cases.

Strategy:

T WG1 will update the rest of the packages to the latest version of the core specifications as soon as possible. With the current resources, T WG1 may only be able to update one additional package (+ previous packages) per T WG1 meeting. TSG T will pro-actively seek additional resources for a timely prose updating.

For the currently planned TTCN updates, the currently planned TTCN budget should be sufficient. The biggest budget risk is still the continuous updates of core specifications. The estimation of the availability of verified TTCN test cases is very difficult, as the actual verification process is out of scope of 3GPP. Best estimation indicates that package 1 will be verified by November. TSG T still emphasizes the importance of that relevant companies use the 3GPP TTCN and feed back observations into the common **anonymous** ETSI database to help to mature the common set of TTCN test cases.

T2 Services & Capabilities

MExE 23.057 CR approved to make the MExE specification more readable. Concern expressed by several mobile manufacturers that this does not necessarily make MExE easier to implement which was their earlier criticism. Long debate on the criteria for accepting new classmarks and on the general future of MExE given that so far there are no MExE products on the market. Discussion to be continued.

UE Interfaces and Capabilities:

Generic User Profile: T WG2 GUP Ad Hoc group closed. Work on GUP is now carried out under SWG2 for those work items that SA1/SA2 assign to T WG2. Focus is now on DDF-common objects work.

TR 22.950 “Priority Service Feasibility study” reviewed and SA WG1 requested to keep T WG2 informed of any future aspects of this work affecting T2.

User Equipment Management (UEM): TR 32.802 comments sent to SA WG5 for the final version

Definition of MM message size in a CDR agreed as the number of octets of the entire MM Messaging (SMS, EMS, CBS)

EMS REL-5: Corrections and clarification on Vector Based Graphics

SMS: Type 0 Messages. A ‘may’ has been changed to ‘shall’ for REL-5 in the description of the ME’s behaviour for receiving type 0 short messages.

TP-DCS for SIM Data download changed to allow 7 bit, 8 bit or 16 bit messages rather than just 8 bit.

T3 USIM

One new WID “Test Specification for the SIM API for REL-5”

The current test specification TS 11.13 covers R98. The objective is to provide a REL-5 version of this test specification.
The new document would be an evolution of TS 11.13/TS 51.013

The aim is to ensure interoperability as defined in TS 43.019 for Bytecode and Application Loading

Presentation for information/approval scheduled for TSG-T #20 / TSG-T #21

Questions /Comments

Presence Service Terminal Capabilities (Rel-6): There has not been much discussion for this up to now in TSG T. The TSG T Chairman will ask T WG2 to discuss this in their next meeting, based on contributions.

MExE: There was strong concern from many delegates that conclusions need to be reached very soon and this is expected by the next TSG T meeting. It was reported that the MExE SWG have held many discussions and the feasibility study has been included in the discussions. General progress is expected in the implementation requirements for an Application Platform.

It was reported that the Open Mobile Alliance had been announced which may be of interest to the MExE work. The impacts of their work would need to be investigated.

Slide 14: Definition of MM message size in a CDR agreed as the number of octets of the entire MM. **There was a request to make it clear that CRs from SA WG5 were agreed (TD SP-020285) which also defined the message size in a slightly different way. This should be aligned with T WG2's definition of MM message size.**

The TSG T Chairman was thanked for his Report which was then noted.

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

There were no specific contributions under this agenda item. this information was contained in the Report from the TSG T Chairman.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. this information was contained in the Report from the TSG T Chairman.

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-020370 GERAN Status report to TSG SA #16. The Report of activities in TSG GERAN was presented by the TSG GERAN Chairman.

TSG GERAN WG3 is currently dormant due to the lack of a Chairperson, and none of the GERAN WGs have a Vice Chairperson. The TSG GERAN Chairman has made a call for candidates for the WG Vice Chairmanships.

LCS: Only small corrections for LCS Release 1998 onwards. LCS support for GPRS has been completed.

Support for Codecs: The discussion on potentially changing the performance requirements for AMR on GMSK channels due to errors in the original simulations has been re-opened, as mobile manufacturers indicates problems fulfilling the requirements. TSG GERAN is in the progress of evaluating Channel Coding for 8-PSK Channels to support AMR-WB. TSG GERAN has completed the changes needed to support AMR-WB on GMSK channels taking into account the limitation of modes for Tele Service 11.

GERAN Iu Mode: Iu-mode broadcast capacity is believed to be solved through the use of PBCCH.

- RRC (TS 44.118) – Completion June except
  Allocation of Radio Resource in case of dormant Radio Bearer (August).
- RLC/MAC – Completion June except
  Abnormal cases for multiple TBF assignment messages (August).
- Iu-interface – Completion June except
  Support for HSCSD over the Iu interface (November).
- Iur-g dependencies to TSG RAN:

  Stage 2 CRs (to 25.401 and 25.421) proposed by GERAN2 at G2 #9bis (expected approval at TSG RAN #17 September);

  Stage 3 CR (to 25.413) (expected approval TSG RAN #16).

Other Release 5 issues:

Gb flow control: Stage 2 CR (to 23.060) – Expected approval at TSG SA#17; Stage 3 CR (to 48.018) – Completion June

Evolution of the transport for the A interface: No progress – Work Item likely to be deleted.

Multiple TBFs in A/Gb mode: Expected completion August.

A/Gb-flex: Stage 3 CR (to 48.018) to be approved in June; Changes to 48.016 are expected by August.

Feasibility study on A/Gb mode evolution: Expected by June 2002.

Questions and comments:

It was clarified that it was thought that the 8-PSK Channel testing would need to be done before the Harmonised Standard (EN) can be updated.

Fixed allocation of the radio resource in GERAN (as opposed to Dynamic allocation). this has been removed from Rel-5 as it was concluded will not be used extensively in networks.

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

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

There were no specific contributions under this agenda item. Information was provided as an annex to the TSG GERAN Report.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Information was provided as an annex to the TSG GERAN Report.

8.5 Letters to other groups

8.6 Review of Release 1999 and Release 4 specification sets

TD SP-020395 Removal of SoISA stage 2 from UTRAN-only specification set. This was presented by the MCC specifications manager and proposed:

- to renumber 23.073 R99 (version 3.0.1) to 03.73 (version 8.0.0); and
- to renumber 23.073 Rel-4 (version 4.0.0) to 43.073 (version 4.0.0); and
- to create 43.073 Rel-5 (version 5.0.0) technically identical to 43.073 version 4.0.0.

This was approved.

TD SP-020403 Add Immediate Service Termination (IST) to the UTRAN specification set. This was presented by the MCC specifications manager and proposed:

- to renumber 02.32 R99 (version 8.0.1) to 22.032 (version 3.0.0);
- to renumber 42.032 Rel-4 (version 4.0.0) to 22.032 (version 4.0.0);
- to create 22.032 Rel-5 (version 5.0.0) technically identical to 22.032 version 4.0.0;
- to renumber 03.35 R99 (version 8.1.0) to 23.035 (version 3.0.0);
- to renumber 43.035 Rel-4 (version 4.1.0) to 23.035 (version 4.0.0); and
- to create 23.035 Rel-5 (version 5.0.0) technically identical to 23.035 version 4.0.0.

This was approved.

TD SP-020396 CR 009 to 21.101: "Correction to list of specs". This was presented by the MCC specifications manager and was provided to correct the specification list in line with decisions made at TSG#16. This CR was approved.

TD SP-020397 CR 006 to 21.102: "Correction to list of specs". This was presented by the MCC specifications manager and was provided to correct the specification list in line with decisions made at TSG#16. It was clarified that the CR number was correct and the apparent missing CR was due to early preparation of a CR for IST at SA#15, but the discussion was postponed to TSG#16 and the CR not presented. This CR was then approved.

TD SP-020399 CR 006 to 01.01: "GSM Release 1999 specifications. This CR was approved.

TD SP-020400 CR 005 to 41.102: "GSM Release 4 Specifications". This CR was approved.

8.7 General aspects of Release handling and definition

There were no specific contributions under this agenda item.

8.8 Review of Release 5 status, content and completion

The work plan contribution was handled under another agenda item (see TD SP-020409).

TD SP-020398 21.103 v2.1.0 for approval. 24.228, 24.229 and 31.103 were confirmed as frozen and the document was updated in TD SP-020410 which was approved.

TD SP-020401 41.103 v2.1.0: Specifications list for approval. This was updated as for TD SP-010398 and provided in TD SP-020411 which was approved.

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

TD SP-020406 Proposed ToR and Agenda for the kick-off meeting of the Future Evolution Ad Hoc meeting. This was presented by the TSG SA Vice Chairman (Mr. H. Nakamura). The Proposed ToR for the kick-off meeting were to elaborate a proposal to TSG SA meeting #17 for the following:

1. ToR for the long term future evolution work;
2. Organization of the work;
3. Potential deliverables and time schedule.

TSG SA accepted the proposed ToR for the kick-off meeting.

The group could not come to consensus on when the kick-off meeting should be held, and a number of possibilities were documented:

Option1 Using Monday evening (17:30~) for the meeting
Option2 Using Monday morning
Option3 Using Sunday afternoon or evening

It was agreed that the meeting would be held at 16.00 on Monday at TSG SA #17.

The proposed draft agenda for the kick-off meeting was also agreed by TSG SA.

It was proposed that Mr. H. Nakamura would convene the kick-off meeting and the election of Officials for the ad-hoc group would follow the normal 3GPP working procedures after the second meeting. **Mr. H. Nakamura requested active contribution to the meeting.** MCC will handle the documents and distribution on the server and support for the kick-off meeting.

TD SP-020336 Long-Term evolution ad-hoc group - Proposed Terms of Reference. This was presented by the DTI. The contribution proposes that the long-term evolution ad-hoc group should define:

1. the initial version of a long-term, high level road map, encompassing business requirements, industry trends, enabling technologies and other relevant factors such that 3GPP has a longer-term plan against which to orientate its work programme;
2. a process for the ongoing enhancement of the high-level road map, which takes into account and evaluates new inputs (new requirements, new enablers, etc.) received in subsequent years.

The Ad-hoc group, target completion date for initial draft of the 3GPP long-term, high level evolution road map is 3GPP SA#19 (March 2003). The group should report to TSG SA and utilise e-mail discussion plus face-to-face meetings in conjunction with the TSG SA plenary meetings (e.g. at TSG SA#16) and a workshop at TSG#17. The group should ideally comprise of one or two delegate(s) from each contributing member. Each delegate contributing actively to the work of the ad-hoc group.

A concise but complete high level road map, encompassing relevant trends and potential / predicted influence on the 3GPP standard for the next 6 to 7 years.

An overlap with work in the ITU was questioned. It was clarified that this would be more related to the 3GPP Work Program and no overlap with ITU activities was envisaged.

The proposal for the composition of the group as "contributing members" was questioned as to whether this included contributors from SDOs or only 3GPP Member companies. It was clarified that this was intended to include anyone who contributes to 3GPP meetings, according to the 3GPP Working Procedures on participation.

It was clarified that there was no intention to change the 3GPP Working Methods, but to get a group together to concentrate on the task and make proposals to TSG SA for discussion.

The ToR for the group had already been agreed with TD SP-020406.

The output from the group would be first submitted to TSG SA who would consider whether any of the materiel should be forwarded to other related groups and bodies.

It was clarified that the statement about evolving the scope of 3GPP did not imply changing the Scope statement, but rather the Work Plan. It was also stated that some time in the future it may become necessary to modify the Scope statement for such evolution as to what is sometimes called "4G" systems.

The TSG SA Chairman encouraged Members that any contributions to this group is circulated on the TSG SA e-mail reflector 3GPP_EVOLUTION@LIST.3GPP.ORG for early discussion and visibility by TSG SA members in order that the authors can produce a revised version of the proposal. The contribution was then noted.

TD SP-020335 3GPP Long-Term evolution Ad-hoc Group - Proposed scope and content of long-term high level road map. This was presented by the DTI. and provided a proposed Scope of a high level road map.

The high level roadmap should take into account all known developments that could influence the 3GPP technical standard for the next six to seven years. Such developments could include, for example:

- business trends;
- regulatory trends;
- spectrum availability;
- key technology trends;
- emerging technologies;
- activities / trends in other standards / specifications bodies;
- evolving customer equipment trends and customer expectations;
- standardisation trends.

The contribution was discussed and the TSG SA Chairman encouraged delegates to consider the type of output that is required from this work and have an e-mail discussion over the e-mail list 3GPP_EVOLUTION@LIST.3GPP.ORG in order to try to have a generally agreed contribution by TSG SA#17.

TD SP-020334 Proposed Agenda for the 3GPP Evolution Ad-Hoc group meeting at TSG SA #16. This was withdrawn in the light of the agreements made on TD SP-020406.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

TD SP-020275 Specs status list prior to TSGs#16. This was provided by the MCC specifications manager. Comments should be provided to the MCC specifications manager. The document was then noted.

TD SP-020276 Specs status list at end of TSG-SA#16. This will be made available shortly after the close of the meeting. Comments should be provided to the MCC specifications manager.

TD SP-020277 List of specs / releases. This was provided by the MCC specifications manager. Comments should be provided to the MCC specifications manager. The document was then noted.

9.2 Working methods

TD SP-020326 Proposed revised CR cover sheet. This was provided by the MCC specifications manager on request of TSG T and TSG RAN, to include a check box for "ISIM" for the "Proposed change affects" field and other various changes.

It was reported that when this proposal was discussed in TSG CN, there had been some concerns raised over having a separate "ISIM" classification as this may cause confusion. Also the indication for impact on other core specifications should make it clear which CRs are linked to the CR in question.

There was much discussion over the Proposed change affects check boxes and it was decided to modify the CR according to agreements which was provided in TD SP-020412 which was approved.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

The TSG RAN Chairman announced that Hans van der Veen, TSG RAN Secretary was leaving MCC and

thanked him on behalf of TSG RAN for all his very good work over the past 2 years.

TD SP-020404 Report of Activities within MCC to TSG SA #16. A. Scrase (Head of MCC) provided the report of activities since TSGs#15.

A number of experts are leaving MCC:

Hans Van der Veen, (Ericsson), has completed his task in supporting TSG RAN and RAN2, and was suitably thanked for his work by TSG RAN#16. Hans has supported RAN for three years, during a period of extreme activity, and has sustained a very high workload. His commitment to the work has been much appreciated by all.

Carolyn Taylor, (Motorola) has also completed here work in supporting RAN3 and has now left MCC. Carolyn too has provided support during a period of very high activity and worked hard to maintain her workload.

Shinobu Ikeda, (ARIB) will return to Japan in September, but he will participate in TSG#17.

HoCheol Kim, (TTA) will return to Korea in the August/September timeframe.

An open advertisement was made to fill the RAN vacancies. 2 successful candidates were selected. **Joern Krause** (Siemens AG) and **Claude Arzelier** (Vodafone UK) who have now joined MCC.

ARIB agreed to provide a successor to their present expert, Shinobu Ikeda. **Tsukase Sasaki** has now joined MCC and after a period of training will replace Shinobu.

TTA have indicated that they wish to provide a replacement for HoCheol Kim and the search for a suitable candidate is currently underway.

The workload of MCC continues to be a source of concern, particularly around the TSG Plenary times. This was noted. It was suggested that New releases should not be placed under change control until they are very stable, in order to reduce the number of CRs to be handled by the MCC resource. It was also suggested that the production of a CR should be carefully considered as necessary before issuing one, and this is reflected in the "rules" introduced by TSG CN and TSG RAN for Release 1999 CR acceptability.

The report was then noted.

11 Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12 Work plan and future meetings

TD SP-020407 3GPP Calendar of meetings. This was provided for information and was noted.

Meeting	**2002**	**Location**	**Primary Host**
TSG#17	3 – 12 September	Biarritz, France	Alcatel
TSG#18	3 – 12 December	USA	NA 'Friends of 3GPP'
Meeting	**2003**	**Location**	**Primary Host**
TSG#19	Exact dates to be decided March (tba)	UK	UK 'Friends of 3GPP'
TSG#20	Exact dates to be decided June (tba)	Finland	Nokia
TSG#21	Exact dates to be decided September (tba)	Host required	Host required
TSG#22	Exact dates to be decided December (tba)	Host required	Host required

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

13 Any other business

There were no specific contributions under this agenda item.

14 Close of meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen, thanked the hosts, Motorola and their support team and the SK Group for the excellent arrangements and support for the meeting, and the MCC assistants for their support. The delegates were thanked for their hard work and co-operation and the TSG SA Chairman closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

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A.4 TSG T Officials

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Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.fr	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials:						
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG GERAN WG4 Officials:						
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Vice Chairman						
Vice Chairman						
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.fr	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG GERAN WG5 Officials:						
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Vice Chairman						
Vice Chairman						
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020205	Draft agenda for TSG SA meeting #16	TSG SA Chairman	2	Approval		Approved
SP-020206	Draft report of TSG SA meeting #15	TSG SA Secretary	3	Approval		Approved. V1.0.0 to be placed on FTP server
SP-020207	Liaison Statement from SC 29/WG 11 to 3GPP on Advanced Text and 2D Graphics	ISO/IEC JTC 1/SC 29/WG11	6.3	Information		Seen by SA WG4.SA WG4 was asked consider this in order to try to avoid overlap in standardisation
SP-020208	Correspondence with SDOs on C-PDS in Foreign Mode	GSM Global Roaming Forum – G95	6.3	Information		Noted
SP-020209	Liaison Statement from CN WG4 on Immediate Service Termination	CN WG4	6.1	Action		02.32 42.032 would require withdrawal and 22.032 and 22.032 introduced
SP-020210	LS reply from SA WG5 on: “3GPP System – WLAN Interworking”	SA WG5	7.5.2	Information		Noted
SP-020211	Reply LS from SA WG5 on "OAM&P standardization" from GSM NA	SA WG5	7.5.2	Information		Noted
SP-020212	Liaison Statement from CN WG4 on Mandatory Use Of Transport Addresses sent by the MSC in a RAB Modification Request	CN WG4	6.1	Action		Response in TD216
SP-020213	Draft new Question Q. ets/16 on Emergency Telecommunications Service (ETS)	ITU-T SG16	6.3	Action		SA WG1 response in TD229
SP-020214	WITHDRAWN - Liaison Statement from SA WG2 on GUP work progress	SA WG2	7.2.2	Information	SP-020323	WITHDRAWN - same as TD323
SP-020215	Summary minutes, decisions and actions from 3GPP PCG Meeting#8, New Orleans, 25 April 2002	PCG Secretary	6.1	Information		Noted
SP-020216	Answer Liaison on Mandatory Use Of Transport Addresses sent by the MSC in a RAB Modification Request	RAN WG2	6.1	Discussion		Noted
SP-020217	Release 5 QoS Class of Service Definitions	BT	7.2	Dicision		Noted. SA WG2 asked to deal with contributions from BT on this at their next meeting
SP-020218	LS from CN WG4 on 3GPP specific Diameter applications	CN WG4	6.1	Action		TSG SA confirmed that other groups are not using the vendor-specific namespace
SP-020219	LS from CN WG4 on Status of protocol work on Ze interface	CN WG4	6.1	Action		unless further information received for early completion of the work, Ze interface feature moved to Rel-6.
SP-020220	LIF TS 101 Specification Status update, for use in 3GPP TS 23.271 (Release 5)	LIF SIG (Standards Influencing Group)	6.3	Information		Noted
SP-020221	TSG S4 Status Report at TSG-SA#16	SA WG4 Chairman	7.4.1	Information		Noted
SP-020222	CR to TS 06.74 on Update of set DTX test vectors for VAD option 1 (R98)	SA WG4	7.4.3	Approval		Approved
SP-020223	CRs to TS 26.103 on Default Codec Type UMTS_AMR2 (R99, Release 4 and 5)	SA WG4	7.4.3	Approval		Approved
SP-020224	CR to TS 26.140 on Correcting the reference to AMR and AMR-WB RTP payload (Rel-5)	SA WG4	7.4.3	Approval		Approved
SP-020225	CRs to TS 26.234 on Corrections Based on Interoperability Issues, and Mime media type update (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020226	CRs to TS 26.234 on Corrections Based on Interoperability Issues, Mime media type update, sample Description atom and Timed Text Format (Release 5)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020227	CRs to TS 28.062 on Corrections to Clauses 9 and 10, and Clarifications of Extendibility of TFO Messages (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-020228	CRs to TS 28.062 on Corrections to Clauses 4 to 10 and to Annexes C and H, Additional TFO_Message Elements for Immediate Codec Type Optimisation, TFO Version Handling (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020229	SA1 Position Statement related to ITU-T request for information on activities related to Emergency Telecommunications Services (ETS)	SA WG1	7.1.2	Endorsement		TSG SA endorsed this position statement
SP-020230	Liaison Statement on draft Push stage 1 for information	SA WG1	7.1.3	Action		TS noted
SP-020231	Reply LS to CN WG4 on Immediate Service Termination	SA WG3	7.3.2	Information		Noted
SP-020232	A principle of the Ad-hoc Group Activities	NTT DoCoMo Inc., Matsushita Communication, NTT COMWARE Corporation	5	Approval	SP-020374	Revised in TD374
SP-020233	WITHDRAWN	NTT Docomo				WITHDRAWN
SP-020234	Presentation of SA1 to SA #15	SA WG1 Chairman	7.1.1	Information		Noted
SP-020235	Status report of SA1 to SA #15	SA WG1 Chairman	7.1.1	Information		Noted
SP-020236	Release 99/4/5 CRs to 22.004 on Correction of table 3.2	SA WG1	7.1.3	Approval		CR007 & CR008 approved. CR009 (Rel-5) Withdrawn
SP-020237	Release 99/4 CRs to 22.016 on Type approval code	SA WG1	7.1.3	Approval		Approved
SP-020238	Rel- 4 CR on Editorial corrections to 22.011	SA WG1	7.1.3	Approval		Approved
SP-020239	Rel-4 CR to 22.043 Correction of terminology and references	SA WG1	7.1.3	Approval		Approved
SP-020240	Rel-4/Rel-5 CRs to 22.060 with Editorial Corrections	SA WG1	7.1.3	Approval	SP-020380	Revised in TD380
SP-020241	Rel-4/Rel-5 CRs to 22.060 on Removal of 'Erasure'	SA WG1	7.1.3	Approval		Approved
SP-020242	Rel-4 CR to 22.135 Corrections on terminology	SA WG1	7.1.3	Approval		Approved
SP-020243	Rel-5 CR to 21.905 on removal of obsolete reference	SA WG1	7.1.3	Approval		Approved
SP-020244	Rel-5 CR to 22.002 Correction of terminology and references	SA WG1	7.1.3	Approval		Approved
SP-020245	Rel-5 CR to 22.003 on Corrections on ASCI and Fax due to GERAN Iu mode	SA WG1	7.1.3	Approval		Approved
SP-020246	Rel-5 CR to 22.057 on Correction usage of MExE application	SA WG1	7.1.3	Approval		Approved
SP-020247	Various Rel-5 CRs to 22.078 on CAMEL	SA WG1	7.1.3	Approval		CR146 was rejected (see TD372 for way forward). CRs 144, 145 and 147 approved.
SP-020248	Rel CR to 22.105 GERAN Iu mode related updates	SA WG1	7.1.3	Approval		Approved
SP-020249	Various Rel-5 CRs to 22.127 on OSA	SA WG1	7.1.3	Approval		Approved
SP-020250	Rel-5 CR to TS 22.129 on access rights in connected mode	SA WG1	7.1.3	Approval		Approved
SP-020251	Rel-5 CR to 22.140 - Introduction of short codes for VASP addressing	SA WG1	7.1.3	Approval		Approved. No req for harmonised Op erator codes in Rel-5
SP-020252	Rel-5 CR to 22.228 v5.5.0 on REL5 clean up	SA WG1	7.1.3	Approval	SP-020408	Off-Line discussions. CR revised in TD408
SP-020253	Various Rel-5 CRs to 22.944 on Service Requirements for UE Functionality Split	SA WG1	7.1.3	Approval		Approved
SP-020254	Various Rel-6 CRs to 22.071 on Location Services	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020255	Various Rel-6 CRs to 22.101 on Service principles	SA WG1	7.1.3	Approval		CR095 Approved. CR096 rejected - SA WG1 to elaborate requirements
SP-020256	Rel-6 CR to 22.127 on Access to IP Session Information	SA WG1	7.1.3	Approval		Approved
SP-020257	Various Rel-6 CRs to 22.146 on MBMS	SA WG1	7.1.3	Approval		Approved
SP-020258	Various Rel-6 CRs to 22.228 on Service requirements for the IP Multimedia Core Network Subsystem	SA WG1	7.1.3	Approval		CR016 Approved. CR015 rejected - SA WG1 to elaborate requirements
SP-020259	TR 22.977, Version 1.0.0 for Speech Enabled Services for information	SA WG1	7.1.3	Approval		Noted
SP-020260	TR 22.950, Version 2.0.0 Priority Service Feasibility Study Report for approval	SA WG1	7.1.3	Approval		Approved ver 6.0.0 (Rel-6)
SP-020261	TS 22.242, Version 2.0.0 Digital Rights Management for approval	SA WG1	7.1.3	Approval		Approved ver 6.0.0 (Rel-6)
SP-020262	Updated WID on speech recognition framework	SA WG1	7.1.3	Approval		Approved
SP-020263	Updated Presence Service WID	SA WG1	7.1.3	Approval		Approved
SP-020264	WI for Location services enhancements (Release 6)	SA WG1	7.1.3	Approval		Approved
SP-020265	WI for IMS enhancements (Release 6)	SA WG1	7.1.3	Approval		Approved
SP-020266	WI for the Push Service for (Release 6)	SA WG1	7.1.3	Approval		Approved
SP-020267	Status of Rel-4 to Rel-5 TSs and TRs under SA1 control	SA WG1	7.1.3	Information		Recommendation endorsed
SP-020268	Report of MBMS Workshop (London, 6-7 May, 2002)	MBMS Workshop secretary (P Usai)	5	Information		Noted
SP-020269	CR 009 to 21.101: "Correction to list of specs"	MCC (J Meredith)	8.6	Approval	SP-020396	Revised in TD396
SP-020270	CR 006 to 21.102: "Correction to list of specs"	MCC (J Meredith)	8.6	Approval	SP-020397	Revised in TD397
SP-020271	21.103 v2.0.0	MCC (J Meredith)	8.8	Approval	SP-020398	Revised in TD398
SP-020272	CR 006 to 01.01: "GSM Release 1999 specifications.	MCC (J Meredith)	8.6	Approval	SP-020399	Revised in TD399
SP-020273	CR 005 to 41.102: "GSM Release 4 Specifications"	MCC (J Meredith)	8.6	Approval	SP-020400	Revised in TD400
SP-020274	41.103 v2.0.0	MCC (J Meredith)	8.8	Approval	SP-020401	Revised in TD401
SP-020275	Specs status list prior to TSGs#16	MCC (J Meredith)	9.1	Information		Noted
SP-020276	Specs status list at end of TSG-SA#16	MCC (J Meredith)	9.1	Information		Noted
SP-020277	List of specs / releases	MCC (J Meredith)	9.1	Information		Noted
SP-020278	LS on Subscriber and Equipment Trace Impacts	SA WG5	7.5.2	Information		Noted. GERAN and RAN impact
SP-020279	(WITHDRAWN) Reserved Telicom Italia	Telecom Italia	7.1.3			Not provided
SP-020280	Various Rel-5 CRs to 22.101 on Service principles	SA WG1	7.1.3	Approval		CR094 rejected. CR095 revised in TD381
SP-020281	SA WG5 Status report to SA#16	SA WG5	7.5.1	Information		Noted
SP-020282	Rel-4 CR 32.111-3 (Fault Management; Part 3: Alarm Integration Reference Point: CORBA SS) Addition of 'indeterminate' probable cause in IDL definition	SA WG5	7.5.3	Approval		Approved
SP-020283	2 Rel-4 & Rel-5 CRs 32.111-4 (Fault Management; Alarm Integration Reference Point; Part 4 CMIP SS) Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions	SA WG5	7.5.3	Approval		Approved
SP-020284	3 Rel-5 CRs 32.111-4 (Fault Management; Alarm Integration Reference Point; Part 4 CMIP Solution Set)	SA WG5	7.5.3	Approval		Approved
SP-020285	6 Rel-4 & Rel-5 CRs 32.200, 32.205, 32.215 and 32.235	SA WG5	7.5.3	Approval		Approved
SP-020286	4 Rel-4 & Rel-5 CRs 32.200 and 32.215	SA WG5	7.5.3	Approval		Approved
SP-020287	5 Rel-5 CRs 32.200 (Charging principles)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020288	2 Rel-4 & Rel-5 CRs 32.215 (PS charging): Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data	SA WG5	7.5.3	Approval		Approved
SP-020289	4 Rel-5 CRs 32.215 (PS charging)	SA WG5	7.5.3	Approval		Approved
SP-020290	2 Rel-5 CRs 32.304 (Configuration Management; Notification Integration Reference Point: CMIP SS)	SA WG5	7.5.3	Approval		Approved
SP-020291	4 Rel-5 CR 32.403 (Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved
SP-020292	2 R99 & Rel-4 CRs 12.04 & 52.402 (Performance measurements - GSM): Correction of erroneous definitions of SGSN measurements	SA WG5	7.5.3	Approval		Approved
SP-020293	2 R99 & Rel-4 CRs 12.04 & 52.402 (Performance measurements - GSM): Remove irrelevant definitions for SGSN measurements related to Ciphering Mode	SA WG5	7.5.3	Approval		Approved
SP-020294	Rel-4 CR 32.603 (Basic configuration management IRP: CORBA SS): Correcting IDL definitions of notification structured event Name Value pair names	SA WG5	7.5.3	Approval		Approved
SP-020295	Rel-5 CR 32.611 (3G configuration management: Bulk CM IRP requirements): Adding Bulk CM IRP requirements for Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020296	3 Rel-4 CRs 32.612, 32.613 & 32.614 (Bulk configuration management IRP: Information service, CORBA SS & CMIP SS) : Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	SA WG5	7.5.3	Approval		Approved
SP-020297	Rel-4 CR 32.613 (Bulk configuration management IRP CORBA SS) : Add missing CORBA exceptions and descriptions of CORBA exception usage	SA WG5	7.5.3	Approval		Approved
SP-020298	Rel-5 CR 32.615 : New structure of specifications for definition of Bulk CM IRP XML file formats - for Approval & 4 new v100 draft TSs 32.625/635/645/655 - for Information	SA WG5	7.5.3	Approval / Information		CR approved. TSs noted
SP-020299	Rel-4 CR 32.622 (Generic network resources IRP: NRM) : Remove R99-inherited restriction of self-containment for MOC SubNetwork	SA WG5	7.5.3	Approval		Approved
SP-020300	2 Rel-4 CRs 32.624 (Generic network resources: IRP CMIP Solution Set)	SA WG5	7.5.3	Approval		Approved
SP-020301	Rel-5 CR 32.631 (Core network resources IRP: requirements) : Adding CN Management requirements over Interface-N for Rel-5	SA WG5	7.5.3	Approval		Approved
SP-020302	2 Rel-4 CRs 32.632 & 32.633 (Core Network Resources IRP: NRM & CORBA SS) : Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)	SA WG5	7.5.3	Approval		Approved
SP-020303	Rel-4 CR 32.642 (UTRAN network resources IRP: NRM) : Corrections of reference in figure 6.2 and of attribute descriptions in UtranRelation	SA WG5	7.5.3	Approval		Approved
SP-020304	2 Rel-4 CRs 32.642 & 32.652 (UTRAN & GERAN network resources IRP: NRM) : Correction of supported IRP in system context	SA WG5	7.5.3	Approval		Approved
SP-020305	2 Rel-4 CRs 32.652 (GERAN network resources IRP: NRM) : Correction of supported IRP in system context	SA WG5	7.5.3	Approval		Approved
SP-020306	Work Plan v. June 4th	MCC (A Sultan)	7.6, 8.8	Information		Noted. For WG review

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020307	MCC review of the Work Plan (before TSG#16)	MCC (A Sultan)	7.6, 8.8	Presentation	SP-020376	Revised in TD376
SP-020308	SA2 report at SA#16	SA2 Chairman and Secretary	7.2.1	Information		Noted
SP-020309	CRs against 03.71, 23.171 and 23.271	SA WG2	7.2.3	Approval	SP-020377	Revised in TD377
SP-020310	CRS against 23.002	SA WG2	7.2.3	Approval		Approved
SP-020311	CRs against 23.060	SA WG2	7.2.3	Approval		Approved
SP-020312	CRs against 23.107	SA WG2	7.2.3	Approval		Approved
SP-020313	CRs against 23.121	SA WG2	7.2.3	Approval		Approved
SP-020314	CRs against 23.127	SA WG2	7.2.3	Approval		Approved
SP-020315	CRs against 23.207	SA WG2	7.2.3	Approval		Approved
SP-020316	WITHDRAWN CRs against 23.221	SA WG2	7.2.3	Approval		WITHDRAWN - Covered by TS313
SP-020317	CRs against 23.228	SA WG2	7.2.3	Approval		Approved
SP-020318	TR 23.871 v 2.1.0 on User Privacy in LCS	SA WG2	7.2.3	Approval	SP-020379	Revised in TD379
SP-020319	TR 23.841 v.2.0.0 on Presence Service Stage 2	SA WG2	7.2.3	Approval		Approved (Rel-5)
SP-020320	WITHDRAWN				SP-020361	WITHDRAWN - TD326 Misnumbered as 320
SP-020321	WID on LCS enhancements 2	SA WG2	7.2.3	Approval	SP-020384	Revised in TD384
SP-020322	WID for GMLC-GMLC interface	SA WG2	7.2.3	Approval		Approved
SP-020323	LS (Cc SA, T) on GUP work progress	SA WG2	7.2.3	Information		Noted. Delegates asked to cooperate with GUP progress
SP-020324	WITHDRAWN - LS to SA, T on GUP WID and DDF	SA WG2	7.2.3	Action		WITHDRAWN (not sent to TSG SA)
SP-020325	Clean-up of requirements in TS 22.242	Siemens, Nokia, Openwave, Ericsson, Motorola	7.1.3	Approval		CR Forwarded to SA WG1 meeting for discussion
SP-020326	Proposed revised CR cover sheet	MCC (J Meredith)	9.2	Approval	SP-020412	Revised in TD412
SP-020327	Rel-5 draft TS 32.225 v150 (Charging data description for the IP Multimedia Subsystem) - for the 2nd time for Information	SA WG5	7.5.3	Information		Noted
SP-020328	4 new Rel-5 draft v100 TSs 32.321/2/3/4 (Test management IRP; Requirements/ IS/ CORBA SS/ CMIP SS) - for Information	SA WG5	7.5.3	Information		Noted
SP-020329	2 new Rel-5 draft v100 TSs 32.671 & 32.672 (3G Configuration Management; State Management IRP: Requirements & Information service)	SA WG5	7.5.3	Information		Noted
SP-020330	Rel-6 draft TS 32.421 v100 (Subscriber and Equipment Trace: Trace Concepts and Requirements)	SA WG5	7.5.3	Information		Noted
SP-020331	Rel-5 draft TR 32.802 v200 (User Equipment Management UEM feasibility study), in co-operation with T2	SA WG5	7.5.3	Approval		Approved (Rel-5)
SP-020332	Rel-6 BB-level Work Item Description on Trace Management	SA WG5	7.5.3	Approval		Approved (Rel-6 removed from WID title)
SP-020333	NOT USED - WITHDRAWN					Withdrawn
SP-020334	WITHDRAWN - Proposed Agenda for the 3GPP Evolution Ad-Hoc group meeting at TSG SA #16	DTI, Hutchison 3G, mmO2, T-Mobile, Orange, Vodafone	8.9	Approval		Withdrawn as overtaken by discussion of TD406
SP-020335	3GPP Long-Term evolution Ad-hoc Group - Proposed scope and content of long-term high level road map	DTI, Hutchison 3G, mmO2, T-Mobile, Orange, Vodafone	8.9	Approval		Noted. Contribution to development of proposal on e-mail discussion list
SP-020336	Long-Term evolution ad-hoc group - Proposed Terms of Reference	DTI, Hutchison 3G, mmO2, T-Mobile, Orange, Vodafone	8.9	Approval		Noted. Contribution to development of proposal on e-mail discussion list
SP-020337	Report of SA WG3 activities to TSG SA #16	SA WG3 Vice Chairman	7.3.1	Information		Noted
SP-020338	Reports of SA WG3 meetings held since TSG SA#15	SA WG3 Secretary	7.3.1	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020339	CRs to 22.022: IMEI format for de-personalisation over the air (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-020340	CRs to 33.102: Optional use of Access Link Data Confidentiality (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-020341	CRs to 33.102: Clarification of ciphering indicator (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval		Rejected
SP-020342	CRs to 33.102: Encryption/Integrity algorithms ordered by preference in Security Mode command (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-020343	CRs to 33.102: Correction of (U)SIM toolkit security reference (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval		Approved. SA WG1 to check which specs should be GSM only and which GSM and UTRAN
SP-020344	CRs to 33.102: Clarification of sequence number management (Release 1999 / Rel-4)	SA WG3	7.3.3	Approval	SP-020385	CR173 Rejected. CR174 revised in TD385 as Rel-5 CR
SP-020345	3 CRs to 33.107: "Changes to 33.107 to support interception at a GGSN", "Addition of SMS type information" and "Inclusion of Serving System IRI in TS 33.107" (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020346	CR to 33.203: ISIM related parameters (Rel-5)	SA WG3	7.3.3	Approval		Approived. CR does not preclude that a UICC can be moved from one terminal to another
SP-020347	CR to 33.203: Reference of HTTP Digest AKA in TS 33.203 (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020348	CR to 33.203: Clean-up of section 6.1.1 (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020349	CR to 33.203: Integrity protection indicator (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020350	CR to 33.203: UE and P-CSCF Behaviour on an Incomplete Authentication (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020351	CR to 33.203: Requested Changes for SIP integrity (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020352	CR to 33.203: Clean-up of clause 7.3 (Rel-5)	SA WG3	7.3.3	Approval		Approved (as Cat F CR)
SP-020353	CR to 33.203: Security association handling in IMS when the UE changes IP address (Rel-5)	SA WG3	7.3.3	Approval	SP-020386	Referencing text clarified in TD386
SP-020354	CR to 33.203: Remove Annexes that describes Extended HTTP Digest solution (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020355	CR to 33.210: NDS/IP Confidentiality protection for IMS session keys (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020356	CR to 33.210: Strengthening the requirements on IV construction to prevent attacks based on predictable IV (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020357	TS 33.108 version 2.0.0: " Handover Interface for Lawful Interception"	SA WG3	7.3.3	Approval		Approved (Rel-5)
SP-020358	Work Item description: DRM (Digital Right Management) Security	SA WG3	7.3.3	Approval		Approved. Update expected at SA#17
SP-020359	Work Item description: Network Domain Security; Authentication Framework (NDS/AF)	SA WG3	7.3.3	Approval	SP-020387	Updated to Feasibility Study only in TD387
SP-020360	Status Report from TSG RAN to TSG SA #16	TSG RAN Chairman	8.2.1	Information		Presented and Discussed
SP-020361	TR 23.846 v.1.0.0 on MBMS	SA WG2	7.2.3	Information		Noted
SP-020362	Bundle 2 RFC numbers from IETF	TSG-CN Chairman	8.1.1	Information		Noted
SP-020363	IETF deliverable status preceding the CN#16 plenary	TSG-CN Chairman	8.1.1	Information		Noted
SP-020364	An Open Letter to the Chairmen of 3GPP & 3GPP2	TSG CN	6.3	Information		Noted. See AI 8.1.1
SP-020365	An Open Letter to the Chairmen of 3GPP & 3GPP2	TSG CN	6.3	Information		Noted. See AI 8.1.1

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020366	LS on CN Recommendations for Implementing CN Harmonization	TSG CN	8.1.2	Action		Discussed. Principles agreed and statement of Recommendations provided in meeting report
SP-020367	LS on Co-ordination of SDO input to ITU-T Q.1741.2	TSG CN	8.1.1	Information		Noted
SP-020368	Draft report from CN#16	TSG-CN Chairman	8.1.1	Information		Noted
SP-020369	Draft report from CN#16 (presentation slides)	TSG-CN Chairman	8.1.1	Presentation		Presented and discussed
SP-020370	GERAN Status report to TSG SA #16	TSG GERAN Chairman	8.7.1	Presentation		Presented and discussed
SP-020371	WITHDRAWN					WITHDRAWN (covered in SA WG2 CR)
SP-020372	Way forward for CAMEL Phase 4	T-Mobile, Vodafone Group	7.1.1	Discussion		
SP-020373	WITHDRAWN					WITHDRAWN
SP-020374	WITHDRAWN - A principle of the Ad-hoc Group Activities	NTT DoCoMo Inc., Matsushita Communication, NTT COMWARE Corporation				Withdrawn - to be presented to SA#17 meeting
SP-020375	Status of preparation discussion for future evolution meeting	TSG-SA vice chairman (convener of the discussion)	5	Approval		Used in evening discussion session. Proposal in TD 406
SP-020376	MCC review of the Work Plan (before TSG#16)	MCC (A Sultan)	7.6, 8.8	Presentation	SP-020392	Revised in TD392
SP-020377	CRs against 03.71, 23.171 and 23.271	SA WG2	7.2.3	Approval		Approved except CRs 079, 080, 081, 092 which were postponed for checking. Postponed CRs in TD405.
SP-020378	Liaison Statement announcing a Call for Proposal, a final specification, and new provisional specifications for public comments	TV-Anytime Forum	6.3	Discussion		Response LS in TD389
SP-020379	TR 23.871 v 2.1.0 on User Privacy in LCS	SA WG2	7.2.3	Approval		Approved
SP-020380	Rel-4/Rel-5 CRs to 22.060 with Editorial Corrections	SA WG1	7.1.3	Approval		Approved
SP-020381	Rel-5 CR095r1 to 22.101 on Service principles	SA WG1	7.1.3	Approval		Approved (revised CR095 from TD280)
SP-020382	Open items list on CN Release 5 specifications	TSG CN	8.1.1	Information		Noted
SP-020383	LS from GSM NA: re OAM&P standardization	GSM North America		Discussion		Proposed SA WG5 response in TD211.
SP-020384	WID on LCS enhancements 2	SA WG2	7.2.3	Approval		Approved
SP-020385	CR174r1 to 33.102: Clarification of sequence number management (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020386	CR to 33.203: Security association handling in IMS when the UE changes IP address (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-020387	Work Item description: Network Domain Security; Authentication Framework (NDS/AF) Feasibility study	SA WG3	7.3.3	Approval		Approved
SP-020388	Methods to handle early mobiles	TSG RAN Chairman	8.2.1	Discussion		Noted
SP-020389	Response to SP-020378 (K Holley)	TSG SA	6.3	Approval		Approved
SP-020390	CR to 02.16: on combining the TAC & FAC fields of the IMEI (R97)	Vodafone Group	7.1.3	Approval	SP-020409	Rejected
SP-020391	CR to 02.16: on combining the TAC & FAC fields of the IMEI (R98)	Vodafone Group	7.1.3	Approval	SP-020410	Rejected
SP-020392	MCC review of the Work Plan (before TSG#16)	MCC (A Sultan)	7.6, 8.8	Presentation	SP-020402	Updated in TD402
SP-020393	Draft report of TSG T meeting #16	TSG T Secretary	8.3.1	Information		Noted
SP-020394	TSG T report to TSG SA#16 (presentation slides)	TSG T Chairman	8.3.1	Presentation		Presented and discussed
SP-020395	Removal of SoISA stage 2 from UTRAN-only specification set	MCC (J Meredith)	8.6 / 8.8	Approval		

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020396	CR 009 to 21.101: "Correction to list of specs"	MCC (J Meredith)	8.6	Approval		Approved
SP-020397	CR 006 to 21.102: "Correction to list of specs"	MCC (J Meredith)	8.6	Approval		Approved
SP-020398	21.103 v2.1.0: Specifications list for approval	MCC (J Meredith)	8.8	Approval	SP-020410	Updated in TD410
SP-020399	CR 006 to 01.01: "GSM Release 1999 specifications.	MCC (J Meredith)	8.6	Approval		Approved
SP-020400	CR 005 to 41.102: "GSM Release 4 Specifications"	MCC (J Meredith)	8.6	Approval		Approved
SP-020401	41.103 v2.1.0: Specifications list for approval	MCC (J Meredith)	8.8	Approval	SP-020411	Updated in TD411
SP-020402	MCC review of the Work Plan (after review at TSG#16)	MCC (A Sultan)	7.6, 8.8	Information	SP-020409	Release Independent GTT added in TD409
SP-020403	Add Immediate Service Termination (IST) to the UTRAN specification set	MCC (J Meredith)	8.6 / 8.8	Information		Noted
SP-020404	Report of Activities within MCC to TSG SA #16	MCC (A. Scrase)	10	Information		Noted
SP-020405	Rel-6 CRs against 23.271	SA WG2	7.2.3	Approval		Approved
SP-020406	Proposed ToR and Agenda for the kick-off meeting of the Future Evolution Ad Hoc meeting	Future Evolution Ad Hoc meeting Convenor	8.9	Approval		ToR and Agenda agreed. Date for kick-off 16.00 Monday TSG SA#17
SP-020407	3GPP Calendar of meetings	MCC	12	Information		Noted
SP-020408	Rel-5 CR to 22.228 v5.5.0 on REL5 clean up	SA WG1	7.1.3	Approval		Approved
SP-020409	MCC review of the Work Plan (after review at TSG#16)	MCC (A Sultan)	7.6, 8.8	Information		Endorsed as reflection of work status in 3GPP
SP-020410	21.103 v2.1.0: Specifications list for approval	MCC (J Meredith)	8.8	Approval		Approved
SP-020411	41.103 v2.1.0: Specifications list for approval	MCC (J Meredith)	8.8	Approval		Approved
SP-020412	Proposed revised CR cover sheet	MCC (J Meredith)	9.2	Approval		Approved

Annex C: List of attendees and TSG SA Voting List

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144 Participants

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

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #15 or #14 (representation of an Individual Member at any of TSG SA Meetings #14, #15 or #16).

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

List Created on: 03 July 2002

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #16**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at:
3gppcontact@etsi.fr

Organisation Name	Organisation Status	Country
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
BLU S.p.a	3GPPMEMBER - ETSI	IT
BMWi	3GPPMEMBER - ETSI	DE
BT Group Plc	3GPPMEMBER - ETSI	GB
CATT	3GPPMEMBER - CWTS	CN
CCL/ITRI	3GPPMEMBER - ETSI	TW
CEGETEL	3GPPMEMBER - ETSI	FR
CETECOM GmbH	3GPPMEMBER - ETSI	DE
China Mobile Com. Corporation	3GPPMEMBER - CWTS	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems Europe	3GPPMEMBER - ETSI	FR
Cisco Systems Inc.	3GPPMEMBER - T1	US
CommWorks Corporation	3GPPMEMBER - ETSI	US
COMNEON GmbH & Co	3GPPMEMBER - ETSI	DE
COMPAQ Computer SpA	3GPPMEMBER - ETSI	IT
Comverse Network Systems	3GPPMEMBER - ETSI	NL
Conexant Systems, Inc.	3GPPMEMBER - T1	US
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI	3GPPMEMBER - ETSI	GB
dynamicsoft Inc.	3GPPMEMBER - T1	US
Elisa Communications Corp.	3GPPMEMBER - ETSI	FI
Ericsson Inc.	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
ERICSSON L.M.	3GPPMEMBER - ETSI	SE
ETRI	3GPPMEMBER - TTA	KR
FEEI	3GPPMEMBER - ETSI	AT
Fraunhofer Gesellschaft	3GPPMEMBER - ETSI	DE
FUJITSU Laboratories of Europe	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
Hutchison 3G UK Limited	3GPPMEMBER - ETSI	GB
J-Phone Co., Ltd.	3GPPMEMBER - ARIB	JP
J-Phone Co., Ltd.	3GPPMEMBER - TTC	JP
KPN N.V.	3GPPMEMBER - ETSI	NL
KT ICOM	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies B.V.	3GPPMEMBER - ETSI	NL
Lucent Technologies Japan Ltd.	3GPPMEMBER - ARIB	JP
Lucent Technologies N. S. UK	3GPPMEMBER - ETSI	GB
Materna GmbH	3GPPMEMBER - ETSI	DE
Matsushita Communication	3GPPMEMBER - ARIB	JP
MATSUSHITA COMMUNICATION	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP

Organisation Name	Organisation Status	Country
MITSUBISHI Electric Telecom	3GPPMEMBER - ETSI	FR
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
Motorola Inc.	3GPPMEMBER - T1	US
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.	3GPPMEMBER - ETSI	FR
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
Nippon Ericsson K.K.	3GPPMEMBER - TTC	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
NTT	3GPPMEMBER - ARIB	JP
NTT	3GPPMEMBER - TTC	JP
NTT COMWARE Corporation	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
PANASONIC Deutschland GmbH	3GPPMEMBER - ETSI	DE
PTK CENTERTEL	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
RIM	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics	3GPPMEMBER - ETSI	GB
SAMSUNG Electronics Co.	3GPPMEMBER - ARIB	JP
Samsung Electronics Co., Ltd	3GPPMEMBER - TTA	KR
SBC Communications Inc.	3GPPMEMBER - T1	US
Serome Technology, Inc.	3GPPMEMBER - TTA	KR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SHARP Manufacturing France S.A	3GPPMEMBER - ETSI	FR
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SK Telecom	3GPPMEMBER - TTA	KR
SONERA Corporation	3GPPMEMBER - ETSI	FI
Sonera SmartTrust AB	3GPPMEMBER - ETSI	SE
SONY Corporation	3GPPMEMBER - ARIB	JP
SWISSCOM	3GPPMEMBER - ETSI	CH
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
TELEFONICA de España S.A.	3GPPMEMBER - ETSI	ES
Telekom Austria AG	3GPPMEMBER - ETSI	AT
TELENOR AS	3GPPMEMBER - ETSI	NO
TELIA AB	3GPPMEMBER - ETSI	SE
T-Mobile AUSTRIA	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
Toshiba Corporation	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
Verticalband Ltd	3GPPMEMBER - ETSI	GB
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB
VoiceStream Wireless Corp.	3GPPMEMBER - ETSI	US
VoiceStream Wireless Corp.	3GPPMEMBER - T1	US

Total: 111 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #16

D.1 Release 1999 GSM Specifications and reports

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

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	01.00	Working Procedures for SMG and PT SMG	8.0.0	R99	SP	BERGMANN, Ansgar	
TS	01.01	GSM Release 1999 Specifications	8.6.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	
TS	01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements	8.0.0	R99	S1	MESSIET, Samira	
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	
TS	02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)	8.2.1	R99	S1	KOKKOLA, Tommi	
TS	02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CARPENTER, Paul	
TS	02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CONRAD, Alan	
TS	02.04	General on Supplementary Services	8.1.0	R99	S1	CARPENTER, Paul	
TS	02.07	Mobile Station (MS) Features	8.1.0	R99	S1	JEAL, David	
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	02.31	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 (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	
TS	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	8.1.0	R99	S1	KOKKOLA, Tommi	
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.40	Procedures for Call Progress Indications	8.0.0	R99	S1	DWYER, Paul	
TS	02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	8.0.0	R99	S1	GILES, Les	
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	
TS	02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	02.60	General Packet Radio Service Stage 1 Description	8.1.0	R99	S1	CARPENTER, Paul	
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	8.0.0	R99	S1	GRECH, Michel	
TS	02.82	Call Forwarding (CF) Supplementary Services; Stage 1	8.0.0	R99	S1	EVEN, Anne	
TS	02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	8.0.0	R99	S1	SLOTTE, Sverre	
TS	02.94	Follow Me Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	03.01	Network Functions	8.0.0	R99	S2	GAASVIK, Per-Ola	SMG3->SA2 @ TSG#7
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	
TS	03.19	GSM API for SIM toolkit stage 2	8.4.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	
TS	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	8.0.0	R99	S3	WRIGHT, Tim	2001-09-03: S3 secretary reports that this spec is not mature enough for official publication. Work continues in 43.031.
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	
TS	03.35	Immediate Service Termination (IST); Stage 2	8.1.0	R99	S3	WRIGHT, Tim	
TR	03.43	Support of Videotex	8.0.0	R99	T2	DI TRIA, Paolo	
TR	03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TR	03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TR	03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.0.0	R99	G1	CARRIZO MARTÍNEZ, José Luis	
TS	03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	8.0.0	R99	S2	ROBERTS, Martin	
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	
TS	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	8.0.0	R99	N1	JACOBSOHN, Dieter	
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.10.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.2.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.2.0	R99	N1	MÜNNING, Dirk	
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.6.0	R99	S2	BROOK, Richard	
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.
TS	03.82	Call Forwarding (CF) Supplementary Services; Stage 2	8.0.0	R99	N4	POTHS, Annette	
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.3.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.14.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	
TS	04.22	Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface	8.0.0	R99	N3	KLEHN, Norbert	
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.9.0	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.14.1	R99	G2	BLACK, Jyoti	
TS	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	8.0.1	R99	N1	JACOBSOHN, Dieter	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	SALKINTZIS, Apostolis	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.3.1	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	04.94	Follow Me Service description; Stage 3	none	R99	-	SWETINA, Joerg	TF139 proposes to abandon; not needed. USSD does all.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.6.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.10.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.6.1	R99	G1	SÉBIRE, Benoist	
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.12.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.14.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.9.0	R99	G1	JOKINEN, Harri	
TR	05.14	Release independent frequency bands; Implementation guidelines	none	R99	G1	KANGAS, Antti	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. Changed from G2 to G1 at same time.
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.56	CTS-FP Radio Sub-system	8.0.1	R99	G1	USAI, Paolino	
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	
TS	06.53	ANSI-C code for the GSM Enhanced full rate speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	
TR	06.78	Results of the AMR noise suppression selection phase	8.0.0	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	
TS	07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.08	GSM Application Programming Interface	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.12.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.10.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	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	
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R99	N1	JUKIC, Zdravko	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	09.14	Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling	8.0.0	R99	SPAN3	SPORTON, Simon	EN 302 646
TS	09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	8.0.0	R99	N1	MILLS, Duncan	
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.94	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	R99	N1	ANDERSEN, Niels Peter Skov	
TR	10.43	Support of Localised Service Area (SoLSA); Work Item Status	1.11.0	R99	S1	KOKKOLA, Tommi	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE)	8.0.0	R99	T2	RODERMUND, Friedhelm	TSG#9:withdrawn cos contains misleading information/references
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TR	10.76	Noise suppression for the AMR codec; Project scheduling and open issues	1.0.0	R99	S4	,	2002-01-23: Usai indicates "stopped".
TS	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	0.0.6	R99	GP	ISAACS, Ken	2002-01-23: Usai indicates "stopped".
TS	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.3.0	R99	G5	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5.
TS	11.10-3	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5. TP-14: may be txferred to T3.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.7.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for SIM API for Java card	none	R99	T3	LLOBREGAT, Fernando	
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.11.0	R99	T3	WOODSEND, Kristian	
TS	11.17	SIM test specification	8.0.0	R99	T3	BREMNER, David	
TS	11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface	8.0.0	R99	T3	LINDHOLM, Rune	
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.6.0	R99	G3	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G3	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	NENNER, Karl-Heinz	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G3	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.010	reserved	none	R99	SP	VACANT,	
TS	21.100	3G specification handling procedures	1.0.0	R99	-	MEREDITH, John M	Knobbled prior to SA#8.
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.8.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.3.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.900	Technical Specification Group working methods	3.6.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.4.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TS	21.906	reserved	3.0.0	R99		CLAYTON, Michael	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.7.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.2.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	3.0.0	R99	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	EVEN, Anne	
TS	22.101	Service aspects; Service principles	3.13.0	R99	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	3.1.0	R99	S1	LAUMEN, Josef	(development in T2)
TR	22.907	Terminal concepts	3.1.3	R99	-	TOLVANEN, Mika	CR at TSG#4 Not maintained
TR	22.924	Charging and accounting mechanisms	3.1.1	R99	-	MONTEGROSSO, Emanuele	
TR	22.925	Quality of Service (QoS) and network performance	3.1.1	R99	-	ERIKSSON, Olle	
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	
TR	22.960	Mobile multimedia services	3.0.1	R99	-	AHNBERG, Tomas	
TR	22.970	Virtual Home Environment Report	3.0.1	R99	-	OGUNBEKUN, Jumoke	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	22.972	Circuit-switched multimedia	0.0.0	R99	-	CLAYTON, Michael	Title grows "cct sw".
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	
TS	23.002	Network Architecture	3.5.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	3.10.0	R99	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	3.5.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.7.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.10.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.010	GSM Public Land Mobile Network (PLMN) Connection Types	3.0.0	R99	-	DETTNER, Harald	superseded by 23.910
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	R99	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	3.8.0	R99	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	3.11.0	R99	N4	PARK, Ian David Chalmers	
TS	23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	3.1.0	R99	-	ANDERSEN, Niels Peter Skov	Superseded by 23.122
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.9.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.043	Support of Videotex	3.0.0	R99	-	DETTNER, Harald	
TS	23.044	Support of Teletex	3.0.0	R99	-	DETTNER, Harald	
TS	23.045	Technical Realization of Facsimile Group 3 Service - transparent	3.0.0	R99	-	DI TRIA, Paolo	Version 8.x.x exists
TS	23.046	Technical realisation of facsimile Group 3 service - non-transparent	3.0.0	R99	-	BOSWARTHICK, David	superseded by 23.146
TS	23.054	Shared Interworking Functions (SIWF); Stage 2	3.0.0	R99	N3	ROSTÖ, Tommy	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.12.0	R99	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	3.3.0	R99	N4	PERLICK, Vivien	
TS	23.069	Voice Broadcast service (VBS); Stage 2	3.0.0	R99	N1	DETTNER, Harald	Reverts to 03.69 R99.
TS	23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)	3.0.0	R99	-	KOSYDAR, L	N3 indicates not required for R99, so revert to 03.70 R98.
TS	23.071	Location services (LCS) stage 2	3.0.0	R99	-	STEER, David G	superseded by 25.305
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	3.0.1	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.13.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.7.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	3.1.0	R99	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.8.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	SALKINTZIS, Apostolis	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.7.0	R99	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	T2	LAUMEN, Josef	
TS	23.171	Functional stage 2 description of location services (LCS) in UMTS	3.8.0	R99	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	3.5.0	R99	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.920	Evolution of the GSM platform towards UMTS	3.1.0	R99	-	DANIEL, Elizabeth	
TR	23.922	Architecture for an All IP network	1.0.0	R99	S2	DANIEL, Elizabeth	TSG#5: 1.0.0
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.927	VHE, Open Service Architecture (OSA)	0.1.0	R99	-	CLAYTON, Michael	Replaced by 23.127
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	
TR	23.960	Framework of network functions to support multimedia services	0.1.0	R99	-	GABE, Axel	
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	KAUHANEN, Timo	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.9.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.12.0	R99	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	3.0.0	R99	G2	AL -BAKRI, Ban	Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12 R99) and shift responsibility to G2 (and should have been N2 anyway). Agreed to txfer to G2, but still as 24.012.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.4.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.065	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	3.1.0	R99	N1	BOSWARTHICK, David	Scrapped: is GSM only
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	PERLICK, Vivien	
TS	24.068	Group Call Control (GCC) Protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.069	Broadcast Call Control (BCC) protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.0	R99	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	

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TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.094	Follow Me; Stage 3	none	R99	-	BERGMANN, Ansgar	TF139 proposes to abandon; not needed. USSD does all.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.053	Tandem Free Operation (TFO); Service description; Stage 2	none	R99	-	MEREDITH, John M	No draft. Anyway, should have been 23.053.
TS	25.101	UE Radio transmission and reception (FDD)	3.11.0	R99	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.11.0	R99	R4	KOTTKAMP, Meik	
TS	25.103	RF parameters in support of RRM	2.0.0	R99	-	FRANCESCHI, Olle	Withdrawn in favour of 25.123 & 25.133
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.10.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.11.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.10.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.10.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	3.10.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.10.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.11.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.10.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.8.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.10.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.10.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.10.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.9.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	3.10.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.10.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.10.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.13.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.11.0	R99	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.8.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.6.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	3.12.0	R99	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	3.11.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.9.0	R99	R2	HANS, Martin	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	25.324	Broadcast/Multicast Control (BMC)	3.5.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.11.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.10.0	R99	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.7.0	R99	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	3.10.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.11.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.11.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.9.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	3.10.0	R99	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.7.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.9.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	R99	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	3.10.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.831	Study Items for future release	0.0.2	R99	R3	DREVON, Nicolas	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	
TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03)
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	3.7.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	BULDORINI, Andrea	
TR	25.923	Stage 2 Functional Specification of Location Services in UTRAN	1.4.0	R99	-	STEER, David G	superseded by 25.305
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.926	UE Radio Access capabilities definition	3.3.0	R99	R2	LUNDSJÖ, Johan	->25.306 Nov 00.
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.3.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.990	Vocabulary for UTRAN	3.0.0	R99	R4	OKRAH, Peter	->21.905
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.075	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec	1.2.0	R99	-	EKUDDEN, Erik	Created TSG#6. Replaced by '975 at TSG#7.
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	3.3.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.4.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5
TS	26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements	1.1.0	R99	S4	HONKO, Harri	
TS	26.115	Echo control for speech and multi-media services	0.0.1	R99	S4	USAI, Paolino	
TS	26.121	Technical Specification for Tandem Free Operation within 3G networks	none	R99	-	OHANA, Alain	
TS	26.122	Technical Specification for Tandem Free Operation between 3G and 2G networks	none	R99	-	OHANA, Alain	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.3.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.4.0	R99	S4	GOETZ, Ian	
TS	26.133	Wide band speech telephony terminal acoustic characteristics	none	R99	S4	BARRETT, Paul	Stopped: Included in 26.131 & '132.
TS	26.134	Wide band speech telephony terminal acoustic test specification	none	R99	S4	BARRETT, Paul	Stopped: Included in 26.131 & '132.
TS	26.135	Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.136	Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.137	Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.138	Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.3.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	0.0.1	R99	S4	HONKO, Harri	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.10.0	R99	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.11.0	R99	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.6.0	R99	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	3.0.0	R99	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	3.13.0	R99	N4	DETTNER, Harald	
TS	29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	3.0.0	R99	-	BOSWARTHICK, David	N3 indicates not required for R99, so revert to 09.04 R98.
TS	29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access	3.0.0	R99	-	BOSWARTHICK, David	N3 indicates not required for R99, so revert to 09.05 R98.
TS	29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services	3.0.0	R99	-	BRAUN, Achim	N3 indicates not required for R99, so revert to 09.06 R98.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.10.0	R99	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.8.0	R99	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	DETTNER, Harald	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.10.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.13.0	R99	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.10.0	R99	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.12.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.2.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	MOERDIJK, Ard-Jan	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.0	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	MOERDIJK, Ard-Jan	OSA subgroup
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	R99	R3	TAYLOR, Carolyn	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	3.9.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	3.8.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	3.2.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	3.3.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TR	31.900	SIM/USIM internal and external interworking aspects	3.2.0	R99	T3	KALINER, Stefan	
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.6.0	R99	S5	BENDER, James	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	32.008	Subscriber and Equipment trace	none	R99	-	SJÖBLOM, Kai	Existence deduced from STF139 programme. But denied by Sjöblom.
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.9.0	R99	S5	LEHNERT, Matthias	
TS	32.101	3G Telecom Management principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.5.0	R99	S5	NENNER, Karl-Heinz	
TS	32.106	3G Configuration Management	3.0.1	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-1	Telecommunication management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
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	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.2.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-5	Telecommunication management; Configuration Management; Part 5: Basic Configuration Management Integration Reference Point (IRP) information model (including NRM) version 1	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication management; Configuration Management; Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1	3.3.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management; Part 7: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set version 1:1	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management; Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111	3G Fault Management	3.2.0	R99	S5	CICCHITTO, Gaetano	TSG#8: split into 4 parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.6.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	33.102	3G security; Security architecture	3.12.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	
TR	33.900	Guide to 3G security	1.2.0	R99	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	3.0.0	R99	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.8.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.6.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.9.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.8.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	1.0.5	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	3.0.0	R99	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	3.0.0	R99	S3	WALKER, Michael	ex SAGE

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.209	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	3.0.0	R99	S3	WALKER, Michael	ex SAGE

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.102	3rd Generation mobile system Release 4 specifications	4.5.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.3.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	4.0.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	4.4.0	Rel-4	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.7.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.1.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.1.0	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	none	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.4.1	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.6.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	4.0.0	Rel-4	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	4.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	4.2.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	22.227	Service requirements for the Open Service Access (OSA)	none	Rel-4	S1	HELLSTROM, Gunnar	Clayton Apr-2001: spec not required (see 22.127)
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	Created Jan-00
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	Created Jan-00
TS	23.002	Network Architecture	4.4.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	4.4.0	Rel-4	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	4.1.1	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.2.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.4.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.0.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.2.0	Rel-4	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	4.6.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	4.0.0	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.7.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.3.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.3.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.5.0	Rel-4	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	4.1.1	Rel-4	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.5.1	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.1.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	VACANT,	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.4.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	SALKINTZIS, Apostolis	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.1.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.7.0	Rel-4	T2	LAUMEN, Josef	
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	4.4.0	Rel-4	N4	VACANT,	New after TSG#5
TS	23.171	Functional stage 2 description of location services (LCS) in UMTS	4.0.0	Rel-4	S2	KÅLL, Jan	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.5.0	Rel-4	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End to end quality of service (QoS) concept and architecture	2.0.0	Rel-4	S2	OYAMA, Johnson	
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Functional stage 2 description of location services (LCS)	4.6.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.814	Separating RR and MM specific parts of the MS Classmark	4.0.0	Rel-4	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.821	Architecture Principles for Relase 2000	1.0.1	Rel-4	S2	LIND, Christer	New after TSG#5
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	1.3.0	Rel-4	S2	KITADA, Yoshinori	
TR	23.907	Quality of Service concept	1.2.0	Rel-4	S2	VACANT,	

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TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.4.0	Rel-4	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	New after TSG#5
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	New after TSG#5
TR	23.922	Architecture for an All IP network	4.0.0	Rel-4	S2	DANIEL, Elizabeth	TSG#5: 1.0.0
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	4.0.0	Rel-4	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	none	Rel-4	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TR	23.972	Circuit switched multimedia telephony	4.0.0	Rel-4	N1	KAUHANEN, Timo	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.004	Layer 1 - General Requirements	4.0.0	Rel-4	G2	THOMAS, Rémi	Apr-2001: Not required. See 44.004.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.7.0	Rel-4	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	none	Rel-4	G2	AL -BAKRI, Ban	Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12 R99) and shift responsibility to G2 (and should have been N2 anyway). Agreed to txfer to G2, but still as 24.012.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.0.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	

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TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	24.10U	UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access	none	Rel-4		,	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TR	24.946	reserved	none	Rel-4		VACANT,	
TS	25.101	UE Radio transmission and reception (FDD)	4.5.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.5.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.5.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.5.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.2.0	Rel-4	R4	NILSSON, Martin	
TS	25.107	UTRA Repeater; Conformance testing	0.0.1	Rel-4	-	NILSSON, Martin	-> 25.143
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.2.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.5.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.5.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	4.5.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.5.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	4.4.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.5.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.5.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.3.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.4.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.4.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.5.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.4.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.4.0	Rel-4	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	4.5.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.4.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.3.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.5.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.5.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.3.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.5.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	4.5.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	4.5.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.5.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.1.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.5.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.371	LMU signalling	none	Rel-4	-	MOULY, Michel	Created Jan 00; wdrwn Apr00
TS	25.401	UTRAN Overall Description	4.4.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.5.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.4.0	Rel-4	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	4.5.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.4.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.5.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.5.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	4.1.1	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.5.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.3.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.3.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.3.0	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	4.5.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	
TR	25.835	Report on hybrid ARQ type II/III	1.0.0	Rel-4	R2	SITTE, Armin	
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	
TR	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	

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TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.2.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.845	FDD RACH and AICH performance requirements	0.0.3	Rel-4	R4	VIHRIÄLÄ, Jaakko	
TR	25.846	CPCH performance	none	Rel-4	R4	KWAK, Joe	2001-02-13: scrapped
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	
TR	25.851	RAB Quality of Service Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	4.4.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	BULDORINI, Andrea	
TR	25.924	Opportunity Driven Multiple Access (ODMA)	1.0.0	Rel-4	R2	LAW, Alan	
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.932	Delay budget within the access stratum	2.0.0	Rel-4	R3	TAYLOR, Carolyn	->25.853 @ TSG#10.
TR	25.933	IP transport in UTRAN	2.0.0	Rel-4	R3	DREVON, Nicolas	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	
TR	25.938	Terminal power saving features	2.0.0	Rel-4	R3	CHOI, Sungho	R3-27: abandoned.
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service Negotiation over Iu	4.0.0	Rel-4	R3	MOLANDER, Anders	
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.952	Base Station classification (TDD)	1.1.0	Rel-4	R4	AXNESS, Timothy	
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TR	26.078	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaced by 26.978.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	4.0.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.3.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.4.0	Rel-4	S4	NOHLGREN, Anders	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	4.1.0	Rel-4	S4	OJALA, Pasi	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.1.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	none	Rel-4	S4	HONKO, Harri	
TR	26.920	Architectural Model for the 3G Transcoders	0.1.1	Rel-4	S4	NAVARRO, William	2000-01-22: S4 TFO group discontinues work on this report.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.7.0	Rel-4	N3	WIIK, Rune Werner	

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TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.4.0	Rel-4	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.1.0	Rel-4	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	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	4.4.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	4.8.0	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)	4.4.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.3.0	Rel-4	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.0	Rel-4	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.4.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.4.0	Rel-4	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.5.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.5.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.2.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5

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TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.1	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.4.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.5.0	Rel-4	N5	BENNETT, Andy	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.4.0	Rel-4	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.4.0	Rel-4	N5	MCQUILLAN, Laura	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.4.0	Rel-4	N5	TWEEDIE, David	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.4.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.4.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.3.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.3.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.1.1	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.5.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.2.0	Rel-4	N3	SANDERS, David	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-4	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-4	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-4	RP	COURAU, François	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	UNMEHOPA, Musa	

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TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	.
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	
TR	30.801	Overall Project Plan	1.1.0	Rel-4	S2	SULTAN, Alain	
TR	30.802	Project plan on Bearer Services and QoS	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TR	30.804	Project plan on GSM/UMTS Interoperation and Mobility Management	1.0.0	Rel-4	S2	COURAU, François	
TR	30.806	Project plan on Location based services	1.0.0	Rel-4	S2	KÅLL, Jan	
TR	30.808	Project plan on Packet Architecture and Circuit Architecture	1.0.0	Rel-4	S2	DROPMANN, Ulrich	
TR	30.810	Project plan on Security	1.0.0	Rel-4	S2	PUDNEY, Chris	
TR	30.812	Project plan on Services and Service platforms	1.0.0	Rel-4	S2	SCHMERSEL, Rob	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.0.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	4.5.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	4.7.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	4.1.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TR	31.900	SIM/USIM internal and external interworking aspects	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	32.101	3G Telecom Management principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	4.2.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	4.0.0	Rel-4	S5	NENNER, Karl-Heinz	
TS	32.105	3G charging and billing; Stage 2 description	0.0.4	Rel-4	S5	KOBYLARZ, Thaddeus	

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TS	32.106-1	Telecommunication management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	4.0.0	Rel-4	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	none	Rel-4	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	none	Rel-4	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-5	Telecommunication management; Configuration Management; Part 5: Basic Configuration Management Integration Reference Point (IRP) information model (including NRM) version 1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication management; Configuration Management; Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1	none	Rel-4	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management; Part 7: Basic Configuration Management Integration Reference Point (IRP) CMIP solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management; Part 8: Name convention for Managed Objects	4.0.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111	3G Fault Management	4.0.0	Rel-4	S5	CICCHITTO, Gaetano	TSG#8: split into 4 parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	4.3.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	4.3.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	4.3.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.112-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.311.
TS	32.112-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service	2.0.0	Rel-4	S2	,	SP-12: stopped. See 32.312.
TS	32.140	Services operations management; Subscription management requirements	0.1.0	Rel-4	S5	CARYER, Geoffrey	
TS	32.200	Telecommunication management; Charging management; Charging principles	4.2.0	Rel-4	S5	AHLBÄCK, Hans	
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	4.2.0	Rel-4	S5	BENDER, James	

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TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	4.3.0	Rel-4	S5	LEHNERT, Matthias	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.2.0	Rel-4	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; 3G configuration management; Name convention for Managed Objects	4.1.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management; Notification Integration Reference Point (IRP): requirements	4.0.1	Rel-4	S5	PIRT, Trevor	was 32.301-1
TS	32.301-1	Telecommunication management; Configuration Management; Notification Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars). SP-12: stopped. See 32.301.
TS	32.301-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	2.0.0	Rel-4	S5	TSE, Edwin	Replaces 32.106- 2SP-12: stopped. See 32.302.
TS	32.301-3	Telecommunication management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	2.0.0	Rel-4	S5	SCHEER, Randal	Replaces 32.106-3 SP-12: stopped. See 32.303.
TS	32.301-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-4 SP-12: stopped. See 32..304.
TS	32.302	Telecommunication management; Configuration Management; Notification Integration Reference Point; Information Service version 1	4.1.0	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.2.0	Rel-4	S5	ZHOU, Di	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.0.1	Rel-4	S5	TOVINGER, Thomas	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	4.0.0	Rel-4	S5	TOVINGER, Thomas	was 32.112-2
TS	32.312-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	none	Rel-4	S5	,	-> 32.111
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.1.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	2.0.0	Rel-4	S5	NENNER, Karl-Heinz	was 32.104 (pars). SP-13: replaced by 52.402.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.2.1	Rel-4	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management; 3G configuration management; Concept and main requirements	4.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).

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TS	32.601	Telecommunication management; Configuration Management; Basic CM Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1
TS	32.601-1	Telecommunication management; Configuration Management; Part 1: Basic CM Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars). SP-12: stopped. See 32.601.
TS	32.601-2	Telecommunication management; Configuration Management; Part 2: Basic configuration management Integration Reference Point (IRP) information model	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.602.
TS	32.601-3	Telecommunication management; Configuration Management; Part 3: Basic configuration management Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.603.
TS	32.601-4	Telecommunication management; Configuration Management; Part 4: Basic configuration management Integration Reference Point (IRP) CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.604.
TS	32.602	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP) information model	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.602-1	Telecommunication management; Configuration management; 3G configuration management: Bulk CM Integration Reference Point (IRP) requirements	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.611.
TS	32.602-2	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management Integration Reference Point (IRP): Information service	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.612.
TS	32.602-3	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.613.
TS	32.602-4	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.614.
TS	32.602-5	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management Integration Reference Point (IRP): XML file format definition	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.615.
TS	32.603	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP): CORBA solution set	4.3.1	Rel-4	S5	ZHOU, Di	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP) CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-4
TS	32.611	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-1
TS	32.612	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-2

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TS	32.613	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-3
TS	32.614	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-4
TS	32.615	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-5
TS	32.620-1	Telecommunication management; Configuration Management; Part 1: Generic network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.621.
TS	32.620-2	Telecommunication management; Configuration Management; Part 2: Generic network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars)SP-12: stopped. See 32.622.
TS	32.620-3	Telecommunication management; Configuration Management; Part 3: Generic network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.623.
TS	32.620-4	Telecommunication management; Configuration Management; Part 4: Generic network resources: Integration Reference Point (IRP) CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.624.
TS	32.621	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1
TS	32.621-1	Telecommunication management; Configuration Management; Part 1: Core network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.631.
TS	32.621-2	Telecommunication management; Configuration Management; Core Network Resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.632.
TS	32.621-3	Telecommunication management; Configuration Management; Part 3: Core network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.633.
TS	32.621-4	Telecommunication management; Configuration Management; Part 4: Core network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.634.
TS	32.622	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): NRM	4.3.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.622-1	Telecommunication management; Configuration Management; Part 1: UTRAN network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.641.
TS	32.622-2	Telecommunication management; Configuration Management; Part 2: UTRAN network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.642.

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TS	32.622-3	Telecommunication management; Configuration Management; Part 3: UTRAN network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.643.
TS	32.622-4	Telecommunication management; Configuration Management; Part 4: UTRAN network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.644.
TS	32.623	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): CORBA solution set	4.2.0	Rel-4	S5	ZHOU, Di	was 32.620-3
TS	32.623-1	Telecommunication management; Configuration Management; Part 1: GERAN network resources Integration Reference Point (IRP): requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.651.
TS	32.623-2	Telecommunication management; Configuration Management; Part 2: GERAN network resources Integration Reference Point (IRP): NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.652.
TS	32.623-3	Telecommunication management; Configuration Management; Part 3: GERAN network resources Integration Reference Point (IRP): CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.653.
TS	32.623-4	Telecommunication management; Configuration Management; Part 4: GERAN network resources Integration Reference Point (IRP): CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.654.
TS	32.624	Telecommunication management; Configuration Management; Generic network resources: Integration Reference Point (IRP) CMIP solution set	4.4.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management; Core Network Resources Integration Reference Point (IRP): NRM	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.621-4
TS	32.641	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.622-4

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TS	32.651	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): NRM	4.3.0	Rel-4	S5	TOVINGER, Thomas	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.623-4
TR	32.800	Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	
TS	33.102	3G security; Security architecture	4.4.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	ESCOTT, Adrian	2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.
TR	33.900	Guide to 3G security	none	Rel-4	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	none	Rel-4	S3	VACANT,	Source: ETSI SAGE.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.3.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.3.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	none	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.4.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SALMERON, Lidia	

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TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	41.001	GSM Specification set	1.0.0	Rel-4	SP	MEREDITH, John M	->41.102, renumbered at TSG#10.
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.102	GSM Release 4 specifications	4.5.1	Rel-4	SP	MEREDITH, John M	Né 41.001; renumbered at TSG#10.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	

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TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 22.032.
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: Becomes 22.048.
TS	42.053	Tandem Free Operation (TFO); Service description; Stage 1	none	Rel-4	S4	NAVARRO, William	Scrapped - see 22.053, Rel-4 onwards.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.1.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.2.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.3.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 23.035.
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.046	Technical Realization of Facsimile Group 3 Service - non transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	2002-01-23: Boswarthick: created in error; non-transparent fax ceases with R99.
TS	43.048	Security Mechanisms for SIM Toolkit Application; Stage 2	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: replaced by 23.048.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	4.0.0	Rel-4	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.1.0	Rel-4	G1	CARRIZO MARTÍNEZ, José Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.4.0	Rel-4	G1	LIVINGSTON, Margaret	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to withdraw.
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.3.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.2	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.1	Rel-4	N1	GARAPATY, Sonia	
TS	43.071	Location services (LCS); Stage 2	4.0.0	Rel-4	S2	BROOK, Richard	Superseded by 23.271 Rel-4.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.008	Mobile radio interface layer 3 specification	4.0.0	Rel-4	N1	HOWELL, Andrew	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	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	4.9.1	Rel-4	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.5.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.6.1	Rel-4	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	2002-02-26: Hietalahti: stage 1 work not continued beyond R99, so proposes to withdraw.
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical Layer on the Radio Path (General Description)	4.1.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	4.5.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.1.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.7.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.8.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.2.0	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	
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	

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TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.7.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.5.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	BSC-BTS Layer 2 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	none	Rel-4	S4	USAI, Paolino	-> 28.062
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.0.1	Rel-4	N1	JUKIC, Zdravko	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	50.043	Support of Localised Service Area (SoLSA); Work Item Status	none	Rel-4	S1	KOKKOLA, Tommi	
TS	50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	4.0.0	Rel-4	S2	GALLIGO, Michel	Apr 2001 - Sultan:no Rel-4 will exist
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	none	Rel-4	GP	ISAACS, Ken	
TR	50.099	GERAN project plan and open issues	0.0.16	Rel-4	GP	MUELLER, Frank	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.8.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.5.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.6.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.4.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	51.013	Test specification for SIM API for Java card	1.0.0	Rel-4	T3	LLOBREGAT, Fernando	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	none	Rel-4	T3	WOODSEND, Kristian	
TS	51.021	GSM radio aspects base station system equipment specification	4.0.0	Rel-4	G3	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G3	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and Messages on the A-bis Interface	4.0.0	Rel-4	G3	TRUSS, Michael	
TS	52.071	Location Services (LCS); Location services management	4.1.0	Rel-4	S5	GARAPATY, Sonia	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402.

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.103	3rd Generation mobile system Release 5 specifications	5.0.0	Rel-5	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	5.0.0	Rel-5	T3	KALINER, Stefan	
TR	21.801	Specification drafting rules	5.0.0	Rel-5	SP	MEREDITH, John M	
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.2.0	Rel-5	S2	LAUTIER, Laurence	
TR	21.900	Technical Specification Group working methods	5.0.0	Rel-5	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	5.4.0	Rel-5	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	5.0.0	Rel-5	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.0.0	Rel-5	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	5.1.1	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.7.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	5.6.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	5.2.0	Rel-5	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	5.2.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.4.0	Rel-5	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	5.2.0	Rel-5	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	5.2.0	Rel-5	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	5.2.0	Rel-5	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	none	Rel-5	S1	WOLAK, Stephen	
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	SP-16: to "GERAN" set.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.228	Service requirements for the IP multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	
TS	22.240	3GPP Generic User Profile (GUP) requirements; Stage 1	0.5.0	Rel-5	S1	AMERY, Paul	Cf work item 'Generic user profile"
TS	22.243	Distributed speech recognition based automated voice services	1.0.0	Rel-5	S1	WILLIAMS, David Hugh	
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	
TR	22.941	IP based multimedia framework; Stage 0	0.7.0	Rel-5	S1	WOHLERT, Randolph	
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	
TR	22.946	Broadcast and multicast services	1.0.0	Rel-5	S1	,	Replaced by 22.146.
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	Created Jan-00
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	Created Jan-00
TS	23.002	Network Architecture	5.7.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	5.3.0	Rel-5	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	5.1.0	Rel-5	N4	BAUER, Rolf	
TS	23.009	Handover procedures	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	
TS	23.012	Location management procedures	5.0.0	Rel-5	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.0.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	5.1.0	Rel-5	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	5.3.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.0.0	Rel-5	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	5.4.0	Rel-5	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.3.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.0.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.2.0	Rel-5	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.0.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	5.0.0	Rel-5	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	none	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.0.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.1.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	5.0.0	Rel-5	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.5.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	SALKINTZIS, Apostolis	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architectural requirements for Release 1999	5.0.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.0.0	Rel-5	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.3.0	Rel-5	T2	LAUMEN, Josef	
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	5.1.0	Rel-5	N4	VACANT,	New after TSG#5
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	23.174	Push service; stage 2	none	Rel-5	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...".
TS	23.178	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	none	Rel-5	N2	HOMANN, Christian	2001-10-26: renumbered to 23.278.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.2.0	Rel-5	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End to end quality of service (QoS) concept and architecture	5.4.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.1.0	Rel-5	N1	ALLEN, Andrew	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	23.221	Architectural requirements	5.5.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.5.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	
TS	23.240	3GPP generic user profile requirements; Stage 2; Architecture	none	Rel-5	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile"
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	none	Rel-5	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile"
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-5	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-5	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.271	Functional stage 2 description of location services (LCS)	5.3.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	2.0.0	Rel-5	N2	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915.
TR	23.841	Presence service architecture	1.1.0	Rel-5	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	0.2.0	Rel-5	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.
TR	23.908	Technical report on Pre-Paging	5.0.0	Rel-5	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	5.0.0	Rel-5	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	5.0.0	Rel-5	N4	SHARP, Iain	
TR	23.915	Charging implications of IMS architecture	none	Rel-5	S2	MILINSKI, Alexander	2001-09-06: S2 Secretary: "May become 25.815." 2001-11-20: it has done so!
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TR	23.974	Support of push service	2.0.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number to 23.875.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.0.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.4.0	Rel-5	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4

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TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.0.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.1.0	Rel-5	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	24.135	Multicall supplementary service; Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	5.1.0	Rel-5	N1	KISS, Krisztian	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.1.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	25.101	UE Radio transmission and reception (FDD)	5.3.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	5.1.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.3.0	Rel-5	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.1.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	5.1.0	Rel-5	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.1.0	Rel-5	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	5.1.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.3.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	5.3.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	5.1.0	Rel-5	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	5.1.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	5.0.0	Rel-5	R1	TOSKALA, Antti	
TS	25.201	Physical layer - general description	5.0.0	Rel-5	R1	TOSKALA, Antti	

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TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.1.0	Rel-5	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	5.1.0	Rel-5	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	5.1.0	Rel-5	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	5.1.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	5.0.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.1.0	Rel-5	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	5.1.0	Rel-5	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	5.1.0	Rel-5	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	5.1.0	Rel-5	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	5.1.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	5.1.0	Rel-5	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	5.1.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	5.1.0	Rel-5	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	5.1.0	Rel-5	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.4.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.1.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	5.2.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.1.0	Rel-5	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	5.1.0	Rel-5	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.1.0	Rel-5	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	5.1.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.1.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	5.3.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	5.1.0	Rel-5	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.1.0	Rel-5	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	5.0.0	Rel-5	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	5.1.0	Rel-5	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.1.0	Rel-5	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	5.1.0	Rel-5	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.1.0	Rel-5	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.0.0	Rel-5	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	5.0.0	Rel-5	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	5.1.0	Rel-5	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.1.0	Rel-5	R3	DREVON, Nicolas	

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TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.1.0	Rel-5	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.1.0	Rel-5	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.0.0	Rel-5	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.1.0	Rel-5	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	5.0.1	Rel-5	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	5.1.0	Rel-5	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.1.0	Rel-5	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.1.0	Rel-5	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	5.0.1	Rel-5	R3	RECKER, Stephan	
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	LIN, Ie-Hong	
TS	25.452	UTRAN Iupc interface signalling transport	5.0.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.4.0	Rel-5	R3	LIN, Ie-Hong	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects	none	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	,	
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	
TR	25.861	RNC - SMLC location protocol	none	Rel-5	R2	MIKOLA, Juha	RP-15: abandoned in favour of directly writing the stage 3 spec.
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	MATARASSO, Carlo	
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	
TR	25.869	Transmitter diversity solutions for multiple antennas	1.0.2	Rel-5	R1	KIM, Sung-Jin	
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	1.0.0	Rel-5	R1	HUANG, Howard	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena	
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3		
TS	25.880	Traffic termination point swapping	5.0.0	Rel-5	R3	ISOKANGAS, Jari	
TR	25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	

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TR	25.882	1,28 Mcps TDD option base station classification	5.0.0	Rel-5	R4	MEYER, Juergen	
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena	Previous rapporteur: Shahrokh Amirijoo.
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.0.0	Rel-5	R4	NUMMINEN, Jussi	
TR	25.886	Ssmall technical enhancements and improvements work item	none	Rel-5	R4	KWAK, Joe	
TR	25.887	Beamforming	1.0.0	Rel-5	R1	KAHTAVA, Jussi	
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	none	Rel-5	R1	LI, Xiaoqiang	
TR	25.890	High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)	1.0.0	Rel-5	R4	FERNANDES, Edgar	
TR	25.921	Guidelines and principles for protocol description and error handling	5.0.0	Rel-5	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	5.0.0	Rel-5	R2	BULDORINI, Andrea	
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	
TR	25.933	IP transport in UTRAN	5.1.0	Rel-5	R3	DREVON, Nicolas	
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	
TR	25.945	RF requirements for low chip rate TDD option	5.0.0	Rel-5	R4	ZHANG, Daijun	
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.952	Base Station classification (TDD)	5.1.0	Rel-5	R4	AXNESS, Timothy	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.0.0	Rel-5	R4	MOSHAVI, Shimon	
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	5.0.0	Rel-5	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	5.2.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.0.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5

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TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.1.0	Rel-5	S4	CASTAGNO, Roberto	
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	5.4.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.3.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.0.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	5.0.0	Rel-5	S4	,	
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	5.1.0	Rel-5	S4	NOHLGREN, Anders	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.0.0	Rel-5	S4	OJALA, Pasi	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.0.0	Rel-5	S4	HAAVISTO, Petri	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model	0.1.0	Rel-5	S4	VARSA, Viktor	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.976	Results of the AMR wideband (AMR-W) selection phase	0.6.0	Rel-5	S4	JÄRVINEN, Kari	Replaces 26.075.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.2.0	Rel-5	N3	WIIK, Rune Werner	

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TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	5.1.0	Rel-5	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.1.0	Rel-5	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	LOCKHART, Rob	
TS	27.104	vObjects and other constructs for data synchronization	0.1.1	Rel-5	T2	LOCKHART, Rob	TP-14: may be merged with 24.241
TS	27.226	Global Text telephony (GTT);Terminal aspects	none	Rel-5	T2	HELLSTROM, Gunnar	SP-16: to "GERAN" set.
TS	27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	Cf work item 'Generic user profile" - may be renumbered to 24.241
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	REX, Thomas	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.1.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	5.2.0	Rel-5	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.2.0	Rel-5	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.0.0	Rel-5	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.2.0	Rel-5	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.2.0	Rel-5	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.2.0	Rel-5	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.0.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.1.0	Rel-5	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)

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TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.162	Interworking between the IM CN subsystem and IP networks	1.0.0	Rel-5	N3	HOLLAND, Nigel	
TS	29.163	Interworking between the IM CN subsystem and CS networks	1.2.0	Rel-5	N3	SANDERS, David	
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.0.0	Rel-5	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.0.0	Rel-5	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.0.0	Rel-5	N5	BENNETT, Andy	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	5.0.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	5.0.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data SCF	5.0.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	5.0.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control data SCF	5.0.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.0.0	Rel-5	N5	MCQUILLAN, Laura	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.0.0	Rel-5	N5	TWEEDIE, David	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.1.0	Rel-5	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-09	Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF	none	Rel-5	N5	,	
TS	29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF	none	Rel-5	N5	,	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.0.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.0.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)	5.0.0	Rel-5	N5	VENKATESH, Guda	

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TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.0.0	Rel-5	N4	ANGELO, Ciriaco	
TS	29.203	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	none	Rel-5	N4	YOUNG, Michael	superseded by 29.903
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	5.0.0	Rel-5	N4	HEIDERMARK, Alf	
TS	29.207	Policy control over Go interface	5.0.0	Rel-5	N3	YOKOTA, Daisuke	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.0.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.226	reserved	none	Rel-5	N4	VACANT,	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.0.0	Rel-5	N4	CZOMA, Balazs	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.0.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.2.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	none	Rel-5	N2	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.0.0	Rel-5	N4	BERRY, Nigel. H	
TS	29.329	Sh interface based on the Diameter protocol	5.0.0	Rel-5	N4	BERRY, Nigel. H	
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	5.0.0	Rel-5	N3	SANDERS, David	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203.
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-5	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-5	RP	COURAU, François	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-5	RP	COURAU, François	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2: INAP	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-04-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 3: MEGACO mapping	none	Rel-5	N5	UNMEHOPA, Musa	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP	5.0.0	Rel-5	N5	UNMEHOPA, Musa	Evidence for existance unearthed in N5-020143.
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2: INAP mapping	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3: MEGACO mapping	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.102	Characteristics of the USIM Application	5.1.0	Rel-5	T3	HEIM, Christian	
TS	31.103	Characteristics of the ISIM application	5.0.0	Rel-5	T3	,	
TS	31.111	USIM Application Toolkit (USAT)	5.1.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.2.0	Rel-5	T3	,	
TS	31.113	USAT interpreter byte codes	5.3.0	Rel-5	T3	,	
TS	31.114	USAT interpreter protocol and administration	5.1.0	Rel-5	T3	MEYER, Michael	
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	1.0.0	Rel-5	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (U)SIM API	1.0.0	Rel-5	T3	TON, Wim	
TR	31.900	SIM/USIM internal and external interworking aspects	5.1.0	Rel-5	T3	KALINER, Stefan	
TS	32.101	3G Telecom Management principles and high level requirements	5.0.0	Rel-5	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	5.0.0	Rel-5	S5	BERGGREN, Tommy	
TS	32.108	Telecommunication management; Subscriber and equipment trace	0.1.0	Rel-5	S5	RONKA, Kari	2002-04-29: source Christian Toche - will not be published. Replace with 32.411, 32..42x and 52.008.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts

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TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	5.0.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	5.0.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	5.1.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.112	Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service	none	Rel-5	S5	TOVINGER, Thomas	SP-15: stopped, no draft ever having been produced.
TS	32.113	Telecommunication management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1	none	Rel-5	S5	TOVINGER, Thomas	SP-15: stopped, no draft ever having been produced.
TS	32.114	Telecommunication management; Fault Management; Alarm Integration Reference Point: CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	SP-15: stopped, no draft ever having been produced.
TS	32.140	Services operations management; Subscription management requirements	0.5.5	Rel-5	S5	CARYER, Geoffrey	
TS	32.200	Telecommunication management; Charging management; Charging principles	5.1.0	Rel-5	S5	AHLBÄCK, Hans	
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	5.1.0	Rel-5	S5	BENDER, James	
TS	32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain	5.1.0	Rel-5	S5	LEHNERT, Matthias	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multemedia Subsystem (IMS)	1.5.0	Rel-5	S5	SHARON, Ariel	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	none	Rel-5	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; 3G configuration management; Name convention for Managed Objects	0.0.0	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management; Notification Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management; Notification Integration Reference Point; Information Service version 1	5.0.1	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	5.2.0	Rel-5	S5	ZHOU, Di	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.112-2
TS	32.312-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	none	Rel-5	S5	,	-> 32.112

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TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP); Requirements	1.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP); Information service	1.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP); CMIP solution set	1.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.0.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.0.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management; 3G configuration management; Concept and main requirements	none	Rel-5	S5	PIRT, Trevor	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management; Basic CM Integration Reference Point (IRP): requirements	none	Rel-5	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP) information model	none	Rel-5	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	ZHOU, Di	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management; Basic configuration management Integration Reference Point (IRP) CMIP solution set	0.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-4
TS	32.611	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.602-1
TS	32.612	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	none	Rel-5	S5	TOVINGER, Thomas	was 32.602-2
TS	32.613	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.602-3
TS	32.614	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.602-4
TS	32.615	Telecommunication management; 3G Configuration Management (CM); Bulk CM Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): requirements	none	Rel-5	S5	PIRT, Trevor	was 32.620-1

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TS	32.622	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): NRM	none	Rel-5	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management; Generic network resources Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	ZHOU, Di	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management; Generic network resources: Integration Reference Point (IRP) CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.620-4
TS	32.625	Telecommunication management; 3G Configuration Management; Generic network resources Integration Reference Point (IRP): Bulk CM XML file format definition	1.0.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.631	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management; Core Network Resources Integration Reference Point (IRP): NRM	none	Rel-5	S5	TOVINGER, Thomas	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	ZHOU, Di	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management; Core network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.621-4
TS	32.635	Telecommunication management; 3G Configuration Management; Generic network resources Integration Reference Point (IRP): Bulk CM XML file format definition	1.0.0	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report.
TS	32.641	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): requirements	none	Rel-5	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): NRM	none	Rel-5	S5	TOVINGER, Thomas	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	ZHOU, Di	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management; UTRAN network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.622-4
TS	32.645	Telecommunication management; 3G Configuration Management; UTRAN network resources Integration Reference Point (IRP): Bulk CM XML file format definition	1.0.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.651	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): requirements	none	Rel-5	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): NRM	none	Rel-5	S5	TOVINGER, Thomas	was 32.623-2

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TS	32.653	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	ZHOU, Di	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management; GERAN network resources Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	TOVINGER, Thomas	was 32.623-4
TS	32.655	Telecommunication management; 3G Configuration Management; GERAN network resources Integration Reference Point (IRP): Bulk CM XML file format definition	1.0.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management; 3G configuration management; Kernel CM requirements	1.0.0	Rel-5	S5	WILBER, John	
TS	32.662	Telecommunication management; 3G configuration management; Kernel CM information service	1.0.0	Rel-5	S5	WILBER, John	
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-5	S5	WILBER, John	
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-5	S5	WILBER, John	
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-5	S5	WILBER, John	
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-5	S5	WILBER, John	
TS	32.671	Telecommunication management; 3G Configuration Management; State Management Integration Reference Point (IRP): Requirements	1.0.0	Rel-5	S5	ZHOU, Di	
TS	32.672	Telecommunication management; 3G Configuration Management; State Management Integration Reference Point (IRP): Information service	1.0.0	Rel-5	S5	ZHOU, Di	
TS	32.673	Telecommunication management; 3G Configuration Management; State Management Integration Reference Point (IRP): CORBA Solution set	none	Rel-5	S5	ZHOU, Di	
TS	32.674	Telecommunication management; 3G Configuration Management; State Management Integration Reference Point (IRP): CMIP Solution set	0.1.0	Rel-5	S5	ZHOU, Di	
TS	32.681	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements	none	Rel-5	S5	PAL, Tapinder	
TS	32.682	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Information service	none	Rel-5	S5	PAL, Tapinder	
TS	32.683	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CORBA solution set	none	Rel-5	S5	PAL, Tapinder	
TS	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): CMIP solution set	none	Rel-5	S5	PAL, Tapinder	
TR	32.800	Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	
TR	32.801	Performance management	none	Rel-5	S5	KORINEK, Frank	(Release 4/5 Building Block: OAM-PM)

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TR	32.802	Telecommunication management; User Equipment (UE) management feasibility study	5.0.0	Rel-5	S5	MUDGE, John	
TS	33.102	3G security; Security architecture	5.0.0	Rel-5	S3	BLOMMAERT, Marc	
TS	33.106	Lawful interception requirements	5.0.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.3.0	Rel-5	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.0.0	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.0.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
TS	33.203	3G security; Access security for IP-based services	5.2.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.1.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	ESCOTT, Adrian	2002-06-26: Item abandoned, since seems unlikely any more work will be done on it.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.1.0	Rel-5	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.0.1	Rel-5	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.0.0	Rel-5	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.0.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE

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TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	5.0.0	Rel-5	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	41.103	GSM Release 5 specifications	5.0.0	Rel-5	SP	MEREDITH, John M	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	none	Rel-5	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 22.032.
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.0	Rel-5	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.0	Rel-5	S1	GILES, Les	
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.0.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.3.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	none	Rel-5	S3	WRIGHT, Tim	SP-16: withdrawn in favour of 23.035.
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.6.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.3.0	Rel-5	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	5.0.0	Rel-5	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.

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TR	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G2	GUARINO, Bernard	
TR	43.930	Iur-g interface; Stage 2	0.4.0	Rel-5	G2	CARRIZO MARTÍNEZ, José Luis	
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	5.2.0	Rel-5	G2	ISAACS, Ken	
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	PUDNEY, Chris	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.5.0	Rel-5	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.3.0	Rel-5	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	5.1.1	Rel-5	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.0.0	Rel-5	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode	1.4.0	Rel-5	G2	VIRTEJ, Iuliana	
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	0.2.0	Rel-5	G1	,	Created GP-08; see GP-020483.
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	
TS	45.001	Physical Layer on the Radio Path (General Description)	5.3.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.5.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.5.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.0.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.3.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.6.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.4.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	5.0.0	Rel-5	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.5.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.3.0	Rel-5	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.5.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.0.0	Rel-5	N1	JUKIC, Zdravko	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-5	GP	MUELLER, Frank	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	5.0.0	Rel-5	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	51.013	Test specification for SIM API for Java card	none	Rel-5	T3	LLOBREGAT, Fernando	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	none	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

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

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	21.104	3rd Generation mobile system Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	
TS	22.071	Location Services (LCS); Stage 1	6.0.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	6.0.0	Rel-6	S1	DWYER, Paul	SP-020234 slide 11 justifies existence.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.141	Presence service; Stage 1	6.0.0	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.0.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	1.0.0	Rel-6	S1	WOLAK, Stephen	SP-15: Timed out of Rel-5.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977).
TS	22.228	Service requirements for the IP multimedia core network subsystem; Stage 1	6.0.0	Rel-6	S1	CATALDO, Mark	SP-020234 slide 11 justifies existence.
TS	22.240	3GPP Generic User Profile (GUP) requirements; Stage 1	none	Rel-6	S1	AMERY, Paul	Cf work item 'Generic user profile"
TS	22.242	Digital Rights Management (DRM); Stage 1	6.0.0	Rel-6	S1	WOOD, Nicholas	
TS	22.243	Distributed speech recognition based automated voice services	1.2.0	Rel-6	S1	WILLIAMS, David Hugh	
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	0.1.0	Rel-6	S1	KALLIOKULJU, Juha	
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	1.0.0	Rel-6	S1	PAINT, Frédéric	
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	0.2.0	Rel-6	S1	KALLIOKULJU, Juha	
TR	22.950	Priority service feasibility study	6.0.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia).
TR	22.951	Network sharing	none	Rel-6	S1	ZARRI, Michele	
TR	22.977	Feasibility study for speech-enabled services	1.0.0	Rel-6	S1	ZARRI, Michele	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.0.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	none	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TR	23.141	Presence service; Architecture and functional description; Stage 2	0.0.0	Rel-6	S2	MAANSAARI, Kirsi	Created on request of rapporteur.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	none	Rel-6	S2	TOWLE, Thomas	
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile"
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.271	Functional stage 2 description of location services (LCS)	6.0.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	1.0.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.934	3GPP system to Wireles Local Area Network (WLAN) interworking; Functional and architectural definition	0.1.0	Rel-6	S1	PAINT, Frédéric	
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	25.101	UE Radio transmission and reception (FDD)	6.0.0	Rel-6	R4	FERNANDES, Edgar	
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	
TR	25.889	Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study	1.0.0	Rel-6	R4	STAHLFJALL, Peter	
TR	25.891	Provisionally reserved for R3 - Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	none	Rel-6	R3	HWANG, Woonhee	
TS	27.007	AT command set for 3G User Equipment (UE)	6.0.0	Rel-6	T2	VACANT,	
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	Rel-6	N3	SANDERS, David	

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TS	31.113	USAT interpreter byte codes	6.0.0	Rel-6	T3	,	
TS	31.114	USAT interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	6.0.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	6.0.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	32.108	Telecommunication management; Subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	2002-04-29: source Christian Toche - will not be published. Replace with 32.411, 32..42x and 52.008.
TS	32.140	Services operations management; Subscription management requirements	1.0.0	Rel-6	S5	CARYER, Geoffrey	
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP); Corba solution set	1.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Requirements	none	Rel-6	S5	HÜBINETTE, Ulf	
TS	32.421	Telecommunication management; subscriber and equipment trace: Trace concepts and requirements	1.0.0	Rel-6	S5	RONKA, Kari	
TS	32.422	Telecommunication management; subscriber and equipment trace: Trace control and configuration management	none	Rel-6	S5	RONKA, Kari	
TS	32.423	Telecommunication management; subscriber and equipment trace: Trace data definition and management	none	Rel-6	S5	RONKA, Kari	
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-6	S5	WILBER, John	
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-6	S5	WILBER, John	
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-6	S5	WILBER, John	
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-6	S5	WILBER, John	
TS	41.104	GSM Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	
TR	41.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	none	Rel-6	G1	GROSS, Robert	Renumbered to 45.811.
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	none	Rel-6	G1	GROSS, Robert	Renumbered from 41.811.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.
TR	49.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. 2002-05-07 (Hietalahti): Scrapped in favour of 29.994 handling both "GSM" and "UMTS" problems.

Type	Number	Title	Ver at TSG#15	Rel	TSG/ WG	Editor	Comment
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	

Annex E: List of Change Requests and their status after TSG SA Meeting #16

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020390	02.16	A013	-	6.2.0	R97	Combining the TAC and FAC fields of the IMEI	rejected	F		International Mobile Station Equipment Identities (IMEI)
SP-020391	02.16	A014	-	7.2.0	R98	Combining the TAC and FAC fields of the IMEI	rejected	A		International Mobile Station Equipment Identities (IMEI)
SP-020243	21.905	038		5.3.0	Rel-5	removal of obsolete reference	approved	F	5.4.0	Vocabulary for 3GPP Specifications
SP-020244	22.002	014		4.2.0	Rel-5	Correction of terminology and references	approved	F	5.0.0	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)
SP-020245	22.003	012		5.1.0	Rel-5	Corrections on ASCI and Fax due to GERAN Iu mode	approved	F	5.2.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-020236	22.004	007		3.2.1	R99	Correction of table 3.2 of TS22.004	approved	F	3.3.0	General on Supplementary Services
SP-020236	22.004	008		4.1.0	Rel-4	Correction to Table 3.2 (rel-4)	approved	A	4.2.0	General on Supplementary Services
SP-020236	22.004	009		4.1.0	Rel-5	Correction of Table 3.2 (rel-5)	withdrawn	A		General on Supplementary Services
SP-020238	22.011	046		4.6.0	Rel-4	Editorial corrections on 22.011	approved	F	4.7.0	Service accessibility
SP-020237	22.016	007		3.2.0	R99	Type approval code	approved	F	3.3.0	International Mobile Equipment Identities (IMEI)
SP-020237	22.016	008		4.1.0	Rel-4	Type approval code	approved	A	4.2.0	International Mobile Equipment Identities (IMEI)
SP-020239	22.034	004		4.0.0	Rel-4	CR to 22.034 Correction of terminology and references	approved	F	4.1.0	High Speed Circuit Switched Data (HSCSD); Stage 1
SP-020246	22.057	010		5.3.0	Rel-5	Correction usage of MExE application	approved	F	5.4.0	Mobile Execution Environment (MExE); Stage 1
SP-020240	22.060	024		4.3.0	Rel-4	Editorial Corrections to TS 22.060 (Rel-4)	revised	F		General Packet Radio Service (GPRS); Service description; Stage 1
SP-020380	22.060	024	1	4.3.0	Rel-4	Editorial Corrections to TS 22.060 (Rel-4)	approved	F	4.4.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-020240	22.060	025		5.1.0	Rel-5	Editorial Corrections to TS 22.060 (Rel-5)	revised	A		General Packet Radio Service (GPRS); Service description; Stage 1
SP-020380	22.060	025	1	5.1.0	Rel-5	Editorial Corrections to TS 22.060 (Rel-5)	approved	A	5.2.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-020241	22.060	026		4.3.0	Rel-4	Removal of 'Erasure'	approved	F	4.4.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-020241	22.060	027		5.1.0	Rel-5	Removal of 'Erasure'	approved	A	5.2.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-020254	22.071	040		5.1.1	Rel-6	Privacy control in HPLMN	approved	C	6.0.0	Location Services (LCS); Stage 1
SP-020254	22.071	041		5.1.1	Rel-6	Enhancement of Codeword Requirements for LCS	approved	C	6.0.0	Location Services (LCS); Stage 1
SP-020247	22.078	144		5.6.0	Rel-5	Annex of Information Tables (A.1, A.2, A.3 and A.4)	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020247	22.078	145		5.6.0	Rel-5	Functional split in CAMEL4	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020247	22.078	146		5.6.0	Rel-5	Functional Subsets of CAMEL Phase 4	rejected	F		Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020247	22.078	147		5.6.0	Rel-5	Removal of Charging Notification	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020280	22.101	094		5.5.0	Rel-5	Clarifying note on ISIM/USIM	rejected	F		Service aspects; Service principles

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020280	22.101	095		5.5.0	Rel-5	REL5 clean up	revised	F		Service aspects; Service principles
SP-020381	22.101	095	1	5.5.0	Rel-5	REL5 clean up	approved	F	5.6.0	Service aspects; Service principles
SP-020255	22.101	096		5.5.0	Rel-6	Editorial for REL6	approved	D	6.0.0	Service aspects; Service principles
SP-020255	22.101	097		5.5.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service aspects; Service principles
SP-020248	22.105	036		5.1.0	Rel-5	GERAN Iu mode related updates	approved	F	5.2.0	Services & service capabilities
SP-020249	22.127	044		5.3.0	Rel-5	Reduction of scope of OSA R5	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020249	22.127	045		5.3.0	Rel-5	Proposal to remove feature ''Retrieval of Visited Network Capabilities' from OSA Release 5'	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020249	22.127	046		5.3.0	Rel-5	A more Flexible Event Notification mechanism	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020249	22.127	047		5.3.0	Rel-5	Clarifications of the terms used for the control of GPRS Sessions and IM Sessions	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020249	22.127	048		5.3.0	Rel-5	Removal of Presence Service	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020256	22.127	049		5.3.0	Rel-6	Access to IP Session Information	approved	B	6.0.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020250	22.129	026		5.1.0	Rel-5	access rights in connected mode	approved	F	5.2.0	Handover requirements between UTRAN and GERAN or other radio systems
SP-020242	22.135	010		4.1.0	Rel-4	Corrections on terminology	approved	F	4.2.0	Multicall; Service description; Stage 1
SP-020251	22.140	016		5.1.0	Rel-5	Introduction of short codes for VASP addressing	approved	F	5.2.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-020257	22.146	031		5.2.0	Rel-6	Proposed CR on Multicast Joining Outside the Multicast Area	approved	C	6.0.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020257	22.146	032		5.2.0	Rel-6	Clarification of requirement related to paging messages	approved	F	6.0.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-020252	22.228	014		5.5.0	Rel-5	REL5 clean up	revised	F		IP multimedia subsystem; Stage 1
SP-020408	22.228	014	1	5.5.0	Rel-5	Clean up of IMS rel 5	approved	F	5.6.0	IP multimedia subsystem; Stage 1
SP-020258	22.228	015		5.5.0	Rel-6	Release 6 ISIM requirement	rejected	B		IP multimedia subsystem; Stage 1
SP-020258	22.228	016		5.5.0	Rel-6	Revised version of S1-020846: Editorial for REL6	approved	D	6.0.0	IP multimedia subsystem; Stage 1
SP-020253	22.944	001		5.0.0	Rel-5	Editorial Corrections	approved	F	5.1.0	Service requirements for UE functionality split
SP-020253	22.944	002		5.0.0	Rel-5	UICC in UE-split	approved	F	5.1.0	Service requirements for UE functionality split

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020377	03.71	041		7.9.0	R98	Correction of timing when SMLC enters LOCATION state.	approved	F	7.10.0	Location Services (LCS); Functional description; Stage 2
SP-020377	03.71	042		8.5.0	R99	Correction of timing when SMLC enters LOCATION state.	approved	A	8.6.0	Location Services (LCS); Functional description; Stage 2
SP-020310	23.002	092	2	5.6.0	Rel-5	General updates due to Intra Domain Connection of RAN nodes to multiple CN nodes	approved	F	5.7.0	Network Architecture
SP-020310	23.002	094	1	5.6.0	Rel-5	Security Gateway	approved	F	5.7.0	Network Architecture
SP-020310	23.002	095	2	5.6.0	Rel-5	Alignment with TS23.271	approved	F	5.7.0	Network Architecture
SP-020311	23.060	342	3	3.11.0	R99	Clarification of Any Time Interrogation functionality	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020311	23.060	343	3	4.4.0	Rel-4	Clarification of Any Time Interrogation functionality	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	344	3	5.1.0	Rel-5	Clarification of Any Time Interrogation functionality	approved	A	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	345		5.1.0	Rel-5	Clarification for PCO use in Secondary PDP context	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	348	1	5.1.0	Rel-5	Correction on the Restriction of Data Transfer during Mobility Management Procedures	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	351	1	5.1.0	Rel-5	Clarification on the PDP Address and PDP Context	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	357	2	5.1.0	Rel-5	RAB assignment during a RA update in PMM-Connected state	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	358	1	5.1.0	Rel-5	MS and Network operation Modes	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	359	3	3.11.0	R99	Corrections for Authentication procedures	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	360	2	4.4.0	Rel-4	Corrections for Authentication procedures	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	364	1	5.1.0	Rel-5	Update of attach procedure	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	365		3.11.0	R99	IPv6 transport not recommended for Iu and Gn/Gp in R99	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	366		4.4.0	Rel-4	IPv6 transport not recommended for Iu and Gn/Gp in R4	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	367	1	5.1.0	Rel-5	Introduction of IP transport option for Iu	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020311	23.060	369	1	5.1.0	Rel-5	Corrections for Authentication procedures	approved	A	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020312	23.107	109	1	5.4.0	Rel-5	Correction of Reference and Editorial Change	approved	F	5.5.0	Quality of Service (QoS) concept and architecture
SP-020313	23.121	064	2	3.5.0	R99	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	F	3.6.0	Architecture Requirements for release 99
SP-020314	23.127	041	1	5.1.0	Rel-5	Removal of Mapping of Presence OSA APIs	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2
SP-020314	23.127	042	1	5.1.0	Rel-5	Proposal to remove the feature "Retrieval of visited network capabilities"	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2
SP-020314	23.127	043	1	5.1.0	Rel-5	Reduction of scope of OSA Rel5	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2
SP-020377	23.171	025	2	3.7.0	R99	Clarification of CS-MO-LR procedures	approved	F	3.8.0	Functional stage 2 description of location services in UMTS
SP-020315	23.207	027	1	5.3.0	Rel-5	Clarifications to TS 23.207	approved	F	5.4.0	End to end quality of service concept and architecture
SP-020315	23.207	028	2	5.3.0	Rel-5	Alignment of TS 23.207	approved	F	5.4.0	End to end quality of service concept and architecture
SP-020315	23.207	030		5.3.0	Rel-5	Correct miss-match between figure and explanatory texts	approved	F	5.4.0	End to end quality of service concept and architecture
SP-020315	23.207	034	3	5.3.0	Rel-5	Number of media components per PDP Context	approved	F	5.4.0	End to end quality of service concept and architecture
SP-020313	23.221	031	2	4.1.0	Rel-4	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	A	4.2.0	Architectural requirements
SP-020313	23.221	032	2	5.4.0	Rel-5	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	A	5.5.0	Architectural requirements
SP-020313	23.221	033		5.4.0	Rel-5	CR related to the discussion in S2-021074.	approved	F	5.5.0	Architectural requirements
SP-020317	23.228	125	1	5.4.1	Rel-5	E.164 numbers as public user identifiers	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020317	23.228	153	2	5.4.1	Rel-5	Deriving IMS parameters from the USIM	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	154	2	5.4.1	Rel-5	Clarification of the function "Implicit Registration"	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	155	1	5.4.1	Rel-5	Clarifying function of barring IMPU as a function	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	156	1	5.4.1	Rel-5	Clarification of the relation between Public User Identities and Service Profiles	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	157	1	5.4.1	Rel-5	Correct stage 2 text following IETF changes	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	158	1	5.4.1	Rel-5	Forking In IMS	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	160	1	5.4.1	Rel-5	IMS call redirected towards the PSTN/CS domain	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	161		5.4.1	Rel-5	Consistent and correct use of destination subscriber & fix a fault of changing destination to originating subscriber	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	162	2	5.4.1	Rel-5	Clarification on the charging concept with stage 3	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	164	1	5.4.1	Rel-5	Clarification on the filter criteria for ASs	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	167		5.4.1	Rel-5	Corrections to architecture of MRF	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	168	1	5.4.1	Rel-5	S-CSCF allocation	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	169	1	5.4.1	Rel-5	Registration flow	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	170		5.4.1	Rel-5	External Application Servers	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	171	3	5.4.1	Rel-5	Restrictions of the Signalling PDP context	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	173	1	5.4.1	Rel-5	Media negotiation	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020317	23.228	174	3	5.4.1	Rel-5	Number of media components per PDP Context	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020377	23.271	078	1	4.5.0	Rel-4	Remove 'HSS' from 23.271 Rel-4	approved	F	4.6.0	Functional stage 2 description of location services
SP-020309	23.271	078	1	4.5.0	Rel-4	Remove 'HSS' from 23.271 Rel-4	revised	F		Functional stage 2 description of location services
SP-020377	23.271	079		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 3, 4 & 5 changes	revised	B		Functional stage 2 description of location services
SP-020405	23.271	079	1	5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 3, 4 & 5 changes	approved	B	6.0.0	Functional stage 2 description of location services
SP-020377	23.271	080		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 6 & 8	revised	B		Functional stage 2 description of location services
SP-020405	23.271	080	1	5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 6 & 8	approved	B	6.0.0	Functional stage 2 description of location services
SP-020377	23.271	081		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clause: 9 changes	withdrawn	B		Functional stage 2 description of location services
SP-020377	23.271	082	3	5.2.0	Rel-5	Modification to LCS to support North American E911	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	083		5.2.0	Rel-5	Handling of Location request without Codeword in GMLC	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	084	5	5.2.0	Rel-5	Codeword check mechanism.	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	085	3	5.2.0	Rel-5	Definition of "Enhanced User Privacy"	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	086	1	4.5.0	Rel-4	Clarification of CS-MO-LR/PS-MO-LR procedures	approved	F	4.6.0	Functional stage 2 description of location services
SP-020377	23.271	087	1	5.2.0	Rel-5	Clarification of CS-MO-LR/PS-MO-LR procedures	approved	A	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	088		5.2.0	Rel-5	Deleting version number of Mobile Location Protocol Specification from reference	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	089	1	5.2.0	Rel-5	Service type and codeword clarifications	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	090		5.2.0	Rel-5	Requestor identity in LCS client name	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	091	1	5.2.0	Rel-5	Privacy Class selection rule	approved	F	5.3.0	Functional stage 2 description of location services
SP-020377	23.271	092		5.2.0	Rel-6	Introduction of the GMLC-GMLC interface Clause 9: General Network Positioning Procedures	withdrawn	B		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-020339	22.022	003		3.1.0	R99	IMEI format for de-personalisation over the air	approved	F	3.2.0	Personalisation of Mobile Equipment (ME); Mobile functionality specification
SP-020339	22.022	004		4.0.0	Rel-4	IMEI format for de-personalisation over the air	approved	A	4.1.0	Personalisation of Mobile Equipment (ME); Mobile functionality specification
SP-020340	33.102	165		3.11.0	R99	Optional use of Access Link Data Confidentiality	approved	F	3.12.0	3G security; Security architecture
SP-020340	33.102	166		4.3.0	Rel-4	Optional use of Access Link Data Confidentiality	approved	A	4.4.0	3G security; Security architecture
SP-020341	33.102	167		3.11.0	R99	Clarification of ciphering indicator	rejected	F		3G security; Security architecture
SP-020341	33.102	168		4.3.0	Rel-4	Clarification of ciphering indicator	rejected	A		3G security; Security architecture
SP-020342	33.102	169	1	3.11.0	R99	Encryption/Integrity algorithms ordered by preference in Security Mode command	approved	F	3.12.0	3G security; Security architecture
SP-020342	33.102	170	1	4.3.0	Rel-4	Encryption/Integrity algorithms ordered by preference in Security Mode command	approved	A	4.4.0	3G security; Security architecture
SP-020343	33.102	171		3.11.0	R99	Correction of (U)SIM toolkit security reference	approved	F	3.12.0	3G security; Security architecture
SP-020343	33.102	172		4.3.0	Rel-4	Correction of (U)SIM toolkit security reference	approved	A	4.4.0	3G security; Security architecture
SP-020344	33.102	173		3.11.0	R99	Clarification of sequence number management	rejected	F		3G security; Security architecture
SP-020344	33.102	174		4.3.0	Rel-4	Clarification of sequence number management	revised	F		3G security; Security architecture
SP-020385	33.102	174	1	4.3.0	Rel-5	Clarification of sequence number management	approved	F	5.0.0	3G security; Security architecture
SP-020345	33.107	023		5.2.1	Rel-5	to support interception at a GGSN	approved	C	5.3.0	3G security; Lawful interception architecture and functions
SP-020345	33.107	024		5.2.1	Rel-5	Addition of SMS type information	approved	B	5.3.0	3G security; Lawful interception architecture and functions
SP-020345	33.107	025		5.2.1	Rel-5	Inclusion of Serving System IRI in TS 33.107	approved	C	5.3.0	3G security; Lawful interception architecture and functions
SP-020346	33.203	003		5.1.0	Rel-5	ISIM related parameters	approved	F	5.2.0	Access security for IP based services
SP-020347	33.203	004		5.1.0	Rel-5	Reference of HTTP Digest AKA in TS 33.203	approved	F	5.2.0	Access security for IP based services
SP-020348	33.203	005		5.1.0	Rel-5	Clean-up of section 6.1.1	approved	D	5.2.0	Access security for IP based services
SP-020349	33.203	006		5.1.0	Rel-5	Integrity protection indicator	approved	F	5.2.0	Access security for IP based services
SP-020350	33.203	007		5.1.0	Rel-5	UE and P-CSCF Behaviour on an Incomplete Authentication	approved	F	5.2.0	Access security for IP based services
SP-020351	33.203	008		5.1.0	Rel-5	Requested Changes for SIP integrity	approved	C	5.2.0	Access security for IP based services
SP-020352	33.203	009		5.1.0	Rel-5	Clean-up of clause 7.3	approved	D	5.2.0	Access security for IP based services
SP-020353	33.203	010		5.1.0	Rel-5	Security association handling in IMS when the UE changes IP address	revised	C		Access security for IP based services
SP-020386	33.203	010	1	5.1.0	Rel-5	Security association handling in IMS when the UE changes IP address	approved	C	5.2.0	Access security for IP based services
SP-020354	33.203	011		5.1.0	Rel-5	Remove Annexes that describes Extended HTTP Digest solution	approved	C	5.2.0	Access security for IP based services
SP-020355	33.210	001		5.0.0	Rel-5	NDS/IP Confidentiality protection for IMS session keys	approved	F	5.1.0	Network Domain Security - IP
SP-020356	33.210	002		5.0.0	Rel-5	Strengthening the requirements on IV construction to prevent attacks based on predictable IV	approved	F	5.1.0	Network Domain Security - IP

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020222	06.74	A003		7.2.0	R98	Update of set DTX test vectors for VAD option 1	approved	F	7.3.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec
SP-020223	26.103	012	2	3.1.0	R99	UMTS_AMR2 is default Codec Type in R99 dual_mode terminals	approved	F	3.2.0	Codec lists
SP-020223	26.103	013	2	4.2.0	Rel-4	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	approved	F	4.3.0	Codec lists
SP-020223	26.103	014	2	5.1.0	Rel-5	UMTS_AMR2 is default Codec Type in all terminals of Rel-4 and onwards	approved	A	5.2.0	Codec lists
SP-020224	26.140	001		5.0.0	Rel-5	Correcting the reference to AMR and AMR-WB RTP payload	approved	F	5.1.0	Multimedia Messaging Service (MMS); Media formats and codes
SP-020226	26.234	024	1	5.0.0	Rel-5	Correction to Timed Text	approved	F	5.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-020225	26.234	025	3	4.3.0	Rel-4	Mime media type update	approved	F	4.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-020226	26.234	026	3	5.0.0	Rel-5	Mime media type update	approved	A	5.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-020226	26.234	027		5.0.0	Rel-5	Corrections to the description of Sample Description atom and Timed Text Format	approved	F	5.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-020225	26.234	028	1	4.3.0	Rel-4	Corrections Based on Interoperability Issues	approved	F	4.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-020226	26.234	029	1	5.0.0	Rel-5	Corrections Based on Interoperability Issues	approved	A	5.1.0	End-to-end transparent streaming service; Protocols and codecs
SP-020228	28.062	017	1	5.0.0	Rel-5	Editorial corrections and additions	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020227	28.062	018	2	4.3.0	Rel-4	Clarify Extendibility of TFO_Messages	approved	F	4.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	019	2	5.0.0	Rel-5	Additional TFO_Message Elements for Immediate Codec Type Optimisation	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	020	2	5.0.0	Rel-5	Corrections to TS 28.062, sections 4 to 8	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	021	3	5.0.0	Rel-5	Corrections to TS 28.062, Annex C	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	022	2	5.0.0	Rel-5	TFO Version Handling	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	023	2	5.0.0	Rel-5	Configuration Exchange in Annex C	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	024	2	5.0.0	Rel-5	Corrections to Annex H	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020227	28.062	025		4.3.0	Rel-4	Corrections to Clause 9 and 10	approved	F	4.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	026	1	5.0.0	Rel-5	Corrections to sections 9 and 10	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020228	28.062	027	1	5.0.0	Rel-5	Immediate Codec Type Optimization	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020292	12.04	A002	-	8.0.0	R99	Correction of erroneous definitions of SGSN measurements	approved	F	8.1.0	Performance data measurements
SP-020293	12.04	A003	-	8.0.0	R99	Remove irrelevant definitions for SGSN measurements related to Ciphering Mode	approved	F	8.1.0	Performance data measurements
SP-020282	32.111-3	016	-	4.2.0	Rel-4	Addition of 'indeterminate' probable cause in IDL definition	approved	F	4.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020283	32.111-4	006	-	4.2.0	Rel-4	Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions	approved	F	4.3.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020283	32.111-4	007	-	5.0.0	Rel-5	Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions	approved	A	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020284	32.111-4	008	-	5.0.0	Rel-5	Addition of the parameter alarmListAlignmentRequirement to the notification notifyAlarmListRebuilt in the CMIP SS (32.111-4)	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020284	32.111-4	009	-	5.0.0	Rel-5	Adding the notification notifyPotentialFaultyAlarmList in the CMIP SS (32.111-4)	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020284	32.111-4	010	-	5.0.0	Rel-5	Introduction of SS (32.111-4) to IS (32.111-2) relation and correction of Foreword	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020287	32.200	006	-	5.0.0	Rel-5	Naming of the interfaces to the Billing System	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020287	32.200	007	-	5.0.0	Rel-5	Clarifying the off-line IMS Charging architecture	approved	F	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020287	32.200	008	-	5.0.0	Rel-5	Inclusion of content charging functions from 23.815	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020287	32.200	009	-	5.0.0	Rel-5	Inclusion of generic flows for event-based charging at the Ro reference point from 23.815	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020287	32.200	010	-	5.0.0	Rel-5	Adding definition for the Charging Collection Function (CCF)	approved	B	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020286	32.200	011	-	4.1.0	Rel-4	Align with 23.060 by adding 'intra-SGSN intersystem change' as record closure criterion for S-CDR	approved	F	4.2.0	Telecommunication management; Charging management; Charging principles
SP-020286	32.200	012	-	5.0.0	Rel-5	Align with 23.060 by adding 'intra-SGSN intersystem change' as record closure criterion for S-CDR	approved	A	5.1.0	Telecommunication management; Charging management; Charging principles
SP-020285	32.200	013	-	4.1.0	Rel-4	Align 32.200 (Charging Principles) with 32.235 (Service Charging) on MMS Charging Scenarios	approved	F	4.2.0	Telecommunication management; Charging management; Charging principles
SP-020285	32.205	004	-	4.1.1	Rel-4	Corrections of parameter CallEventRecord	approved	F	4.2.0	Telecommunication management; Charging management; 3G charging data description for the CS domain

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SP-020285	32.205	005	-	5.0.0	Rel-5	Corrections of parameter CallEventRecord	approved	A	5.1.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-020289	32.215	007	-	5.0.0	Rel-5	Addition of real-time delivery of Charging Data Records (CDRs) to the Billing System	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020289	32.215	008	-	5.0.0	Rel-5	Alignment of CDRs' IPv4 versus IPv6 address usage with architectural principles	approved	F	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020286	32.215	009	-	4.2.1	Rel-4	Correction of S-CDR triggers	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020286	32.215	010	-	5.0.0	Rel-5	Correction of S-CDR triggers	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020289	32.215	011	-	5.0.0	Rel-5	Addition of external charging identifier into G-CDR	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020289	32.215	012	-	5.0.0	Rel-5	Addition of an "IMS signaling PDP context" flag into G-CDR	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020288	32.215	013	-	4.2.1	Rel-4	Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020288	32.215	014	-	5.0.0	Rel-5	Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020285	32.215	015	-	4.2.1	Rel-4	Alignment with 23.271 (LCS stage 2) of CDR definition for LCS in PS domain	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020285	32.215	016	-	5.0.0	Rel-5	Alignment with 23.271 (LCS stage 2) of CDR definition for LCS in PS domain	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020285	32.235	002	-	4.1.0	Rel-4	Align 32.200 (Charging Principles) with 32.235 (Service Charging) on MMS CDRs and parameter definitions for Charging Scenarios	approved	F	4.2.0	Telecommunication management; Charging management; Charging data description for application services
SP-020290	32.304	007	-	5.1.0	Rel-5	Correction of erroneous notification header mapping table	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-020290	32.304	008	-	5.1.0	Rel-5	Introduction of SS (32.304) to IS (32.302) relation and correction of Foreword	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-020291	32.403	003	2	4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	approved	F	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM

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SP-020291	32.403	004	-	4.2.0	Rel-5	Adding performance measurement definitions related to GGSN	approved	B	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020291	32.403	005	-	4.2.0	Rel-5	Introduction of an optional "Purpose" clause in the measurement template	approved	B	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020291	32.403	006	-	4.2.0	Rel-5	Addition of explanatory text for Radio Access Bearer (RAB) measurements	approved	D	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-020294	32.603	005	-	4.2.0	Rel-4	Correcting IDL definitions of notification structured event Name Value pair names	approved	F	4.3.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-020295	32.611	001	-	4.0.0	Rel-5	Adding Bulk CM IRP requirements for Rel-5	approved	C	5.0.0	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements
SP-020296	32.612	002	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service
SP-020297	32.613	003	-	4.1.0	Rel-4	Add missing CORBA exceptions and descriptions of CORBA exception usage	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-020296	32.613	004	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-020296	32.614	002	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set
SP-020298	32.615	003	-	4.2.0	Rel-5	New structure of specifications for the definition of Bulk CM IRP XML file formats	approved	C	5.0.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition
SP-020299	32.622	005	-	4.2.0	Rel-4	Remove R99-inherited restriction of self-containment for MOC SubNetwork	approved	F	4.3.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM
SP-020300	32.624	007	-	4.3.0	Rel-4	Making 32.624 (CMIP SS) consistent with 32.622 (IS) and 32.623 (CORBA SS)	approved	F	4.4.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set
SP-020300	32.624	008	-	4.3.0	Rel-4	Align with 32.622 (IS) by changing "userDefinedState" from read-only to read-write	approved	F	4.4.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set
SP-020301	32.631	001	-	4.0.0	Rel-5	Adding Core Network Management requirements over Interface-N for Rel-5	approved	B	5.0.0	Telecommunication Management; Configuration Management; Core network resources IRP: requirements
SP-020302	32.632	002	-	4.1.0	Rel-4	Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)	approved	F	4.2.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM
SP-020302	32.633	001	-	4.0.0	Rel-4	Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020303	32.642	001	-	4.0.0	Rel-4	Corrections of reference in figure 6.2 and of attribute descriptions in UtranRelation in 32.642 (UTRAN network resources IRP: NRM)	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM
SP-020304	32.642	002	-	4.0.0	Rel-4	Correction of supported IRP in system context	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM
SP-020305	32.652	003	-	4.2.0	Rel-4	Addition of the attributes mcc and mnc in the object model of GERAN	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM
SP-020305	32.652	004	-	4.2.0	Rel-4	Correction of attribute descriptions in the Managed Object Class (MOC) GsmRelation of 32.652 (GERAN network resources IRP: NRM)	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM
SP-020304	32.652	005	-	4.2.0	Rel-4	Correction of supported IRP in system context	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM
SP-020292	52.402	001	-	4.0.0	Rel-4	Correction of erroneous definitions of SGSN measurements	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - GSM
SP-020293	52.402	002	-	4.0.0	Rel-4	Remove irrelevant definitions for SGSN measurements related to Ciphering Mode	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - GSM

E.6 CRs direct to TSG SA#16

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020272	01.01	007	-	8.5.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications
SP-020399	01.01	007	1	8.5.0	R99	Correction to list of specifications	approved	F	8.6.0	GSM Release 1999 Specifications
SP-020269	21.101	010	-	3.7.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-020396	21.101	010	1	3.7.0	R99	Correction to list of specifications	approved	F	3.8.0	3rd Generation mobile system Release 1999 Specifications
SP-020270	21.102	007	-	4.4.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications
SP-020397	21.102	007	1	4.4.0	Rel-4	Correction to list of specifications	approved	F	4.5.0	3rd Generation mobile system Release 4 specifications
SP-020273	41.102	006	-	4.4.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications
SP-020400	41.102	006	1	4.4.0	Rel-4	Correction to list of specifications	approved	F	4.5.0	GSM Release 4 specifications

Annex F: Status of all 3GPP CRs after TSG SA #15 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020222	09.94	A010	2	4.5.0	Ph2	QoS IE length	approved	F	4.6.0	Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults	N1
NP-020222	09.94	A011	2	5.0.0	R96	QoS IE length	approved	A	5.1.0	Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults	N1
NP-020222	09.94	A012	2	6.0.0	R97	QoS IE length	approved	A	6.1.0	Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults	N1
NP-020222	09.94	A013	2	6.1.0	R98	QoS IE length	approved	A	7.0.0	Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults	N1
NP-020243	23.009	066	2	5.0.0	Rel-5	Sending of RANAP Location Reporting Control on the E Interface	approved	C	5.1.0	Handover procedures	N1
NP-020218	23.009	069		3.9.0	R99	Clarification of the end of supervision after inter-MSC handover	approved	F	3.10.0	Handover procedures	N1
NP-020218	23.009	070		4.3.0	Rel-4	Clarification of the end of supervision after inter-MSC handover	approved	A	4.4.0	Handover procedures	N1
NP-020218	23.009	071		5.0.0	Rel-5	Clarification of the end of supervision after inter-MSC handover	approved	A	5.1.0	Handover procedures	N1
NP-020243	23.009	074	1	5.0.0	Rel-5	Clarification that Multicall is not supported in GERAN Iu-mode	approved	F	5.1.0	Handover procedures	N1
NP-020218	23.009	075	1	3.9.0	R99	Handling of Service Handover parameter in non-anchor	approved	F	3.10.0	Handover procedures	N1
NP-020218	23.009	076	1	4.3.0	Rel-4	Handling of Service Handover parameter in non-anchor	approved	A	4.4.0	Handover procedures	N1
NP-020218	23.009	077	1	5.0.0	Rel-5	Handling of Service Handover parameter in non-anchor	approved	A	5.1.0	Handover procedures	N1
NP-020243	23.122	048		4.1.0	Rel-5	Role of the equivalent PLMNs list in the PLMN user reselection	approved	F	5.0.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020226	23.218	002	3	5.0.0	Rel-5	HSS providing to the S-CSCF the subset of the relevant end user profile	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	003	10	5.0.0	Rel-5	Clarification on SPI related text	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	004	4	5.0.0	Rel-5	Passing charging correlation information	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	006	1	5.0.0	Rel-5	Correction of terminology in 23.218 regarding Offer-counter offer answer	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	012	5	5.0.0	Rel-5	Update of the S-CSCF AS relationship, for REGISTER	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	014	1	5.0.0	Rel-5	User profile filter criteria updates	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	015	1	5.0.0	Rel-5	Add references for Sh and Si interfaces	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	016	1	5.0.0	Rel-5	SIP Application Server acting as a Gatewas to an external Application Server; and OSA API usage.	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1

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NP-020226	23.218	017	1	5.0.0	Rel-5	Clarification to Handling of IP multimedia registration for barred public user identities	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020226	23.218	019		5.0.0	Rel-5	Correction of COMET to UPDATE in 23.218	approved	F	5.1.0	IP Multimedia (IM) session handling; IM call model	N1
NP-020218	24.007	046	2	3.8.0	R99	RR protocol message type octet	approved	F	3.9.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020218	24.007	047	2	4.1.0	Rel-4	RR protocol message type octet	approved	A	4.2.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020222	24.007	048	1	3.8.0	R99	Clarification of the extension mechanism for type 4 IEs	approved	F	3.9.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020222	24.007	049	1	4.1.0	Rel-4	Clarification of the extension mechanism for type 4 IEs	approved	A	4.2.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020222	24.007	052	1	3.8.0	R99	Various clean-up of wrong references, eg towards 04.18 and 23.171	approved	F	3.9.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020224	24.007	053	1	4.1.0	Rel-4	Various clean-up of wrong references, eg towards 44.018 and 23.271	approved	F	4.2.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-020220	24.008	535	2	4.6.0	Rel-4	Correction of codec negotiation procedure	approved	F	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020220	24.008	536	2	5.3.0	Rel-5	Correction of codec negotiation procedure	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020241	24.008	551	3	5.3.0	Rel-5	Service change and fallback for UDI/RDI multimedia multimediacalls	approved	C	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	554	2	5.3.0	Rel-5	Restriction of the 0kbits maximum bitrate	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020220	24.008	572	1	3.11.0	R99	Support of UMTS AMR 2 in R99	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	576	4	3.11.0	R99	Authentication not accepted by MS	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	577	4	4.6.0	Rel-4	Authentication not accepted by MS	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	578	2	5.3.0	Rel-5	Authentication not accepted by MS	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	579	1	3.11.0	R99	Correction to CS domain specific system information	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	580	1	4.6.0	Rel-4	Correction to CS domain specific system information	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-020219	24.008	581	1	5.3.0	Rel-5	Correction to CS domain specific system information	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	592	2	5.3.0	Rel-5	Impact of regional roaming restrictions on the MM state	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	593		3.11.0	R99	Correction of repeat indicator IE	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	594		4.6.0	Rel-4	Correction of repeat indicator IE	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	595		5.3.0	Rel-5	Correction of repeat indicator IE	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	596		3.11.0	R99	Removal of the coding rules of type 4 IEs	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	597		4.6.0	Rel-4	Removal of the coding rules of type 4 IEs	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020223	24.008	598		5.3.0	Rel-5	Removal of the coding rules of type 4 IEs	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	599	1	3.11.0	R99	R97 and R99 Compatibility	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020221	24.008	600	1	4.6.0	Rel-4	Correction to text on DTMF handling	approved	F	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020221	24.008	601	1	5.3.0	Rel-5	Correction to text on DTMF handling	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	607	1	5.3.0	Rel-5	Handling of SM STATUS(#81, #97) and invalid TI of Secondary PDP context	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	611		4.6.0	Rel-4	R97 and R99 Compatibility	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	612		5.3.0	Rel-5	R97 and R99 Compatibility	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	615		5.3.0	Rel-5	Deletion of ePLMN list when the fifth RAU attempt is reached	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	618	1	5.3.0	Rel-5	Conditions when to update the "RPLMN Last used Access Technology" information	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-020242	24.008	619	1	5.3.0	Rel-5	SIM removal and change of RA during detach procedure	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020216	24.008	623	1	3.11.0	R99	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020216	24.008	624	1	4.6.0	Rel-4	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020216	24.008	625	1	5.3.0	Rel-5	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	626		5.3.0	Rel-5	Correction of definition of SSD in QoS IE	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	627	1	3.11.0	R99	Impact of regional roaming restrictions on the MM state	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020219	24.008	628	1	4.6.0	Rel-4	Impact of regional roaming restrictions on the MM state	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020225	24.008	630		5.3.0	Rel-5	Support for IMS media Multiplexing in Session Management - TFT enhancement	approved	C	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	631		5.3.0	Rel-5	Addition of missing references to TS 25.304	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020242	24.008	632	1	5.3.0	Rel-5	DRX parameter update with RAU procedure	approved	C	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020225	24.008	634	1	5.3.0	Rel-5	PCO in Session Management procedures	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020217	24.008	637	1	3.11.0	R99	Alternative coding of radio access capabilities	approved	F	3.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020217	24.008	638	1	4.6.0	Rel-4	Alternative coding of radio access capabilities	approved	A	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020217	24.008	639	1	5.3.0	Rel-5	Alternative coding of radio access capabilities	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020270	24.008	640		4.6.0	Rel-4	Indication of support of LCS via the PS domain in Iu-mode	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020289	24.008	640	1	4.6.0	Rel-4	Indication of support of LCS via the PS domain in Iu-mode	revised	F	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-020301	24.008	640	2	4.6.0	Rel-4	Indication of support of LCS via the PS domain in Iu-mode	approved	F	4.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020271	24.008	641		5.3.0	Rel-5	Indication of support of LCS via the PS domain in Iu-mode	revised	A		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020300	24.008	641	1	5.3.0	Rel-5	Indication of support of LCS via the PS domain in Iu-mode	approved	A	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020273	24.008	642		5.3.0	Rel-5	Addition of missing code point for 8-PSK Half Rate AMR	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020292	24.008	642	1	5.3.0	Rel-5	Addition of missing code point for 8-PSK Half Rate AMR	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020311	24.008	642	2	5.3.0	Rel-5	Addition of missing code point for 8-PSK Half Rate AMR	approved	F	5.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020227	24.228	002	1	5.0.0	Rel-5	Update of the authorization flows	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	004	3	5.0.0	Rel-5	MO, S-S, MT #1a reference flow update	revised	F		Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020316	24.228	004	5	5.0.0	Rel-5	MO, S-S, MT #1a reference flow update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	005		5.0.0	Rel-5	Addition of Max-Forwards Header to Registration Flows	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	010	1	5.0.0	Rel-5	Integrity protection signal from P-CSCF to S-CSCF	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	017	2	5.0.0	Rel-5	DNS-NAPTR Query	approved	B	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	018	3	5.0.0	Rel-5	General update of sections 10.1, 10.2 and 10.3	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	019	5	5.0.0	Rel-5	MO, S-S, MT #2 reference flows update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	020	2	5.0.0	Rel-5	Session Redirection Flow Update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	021	2	5.0.0	Rel-5	Session Transfer Flow Update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020227	24.228	022	1	5.0.0	Rel-5	Addition of DHCPv6 references to 24.228	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	023		5.0.0	Rel-5	S-S#3 update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	024	1	5.0.0	Rel-5	S-S#4 update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	025	3	5.0.0	Rel-5	CS-O, CS-T Reference flow update	approved		5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	027		5.0.0	Rel-5	Update of Mobile terminal initiated session release flows (non-hiding)	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1

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NP-020228	24.228	028	2	5.0.0	Rel-5	Downloading the implicitely registered public user identities from the S-CSCF to P-CSCF	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	029	1	5.0.0	Rel-5	Update of Mobile terminal initiated session release flows (hiding)	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	030	1	5.0.0	Rel-5	Correction of the subscription to the registration event package	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	031	1	5.0.0	Rel-5	Addition of further Media Streams Flow Update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	034	2	5.0.0	Rel-5	MO#1a failures update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020228	24.228	035	2	5.0.0	Rel-5	MT#1a failures update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	036	2	5.0.0	Rel-5	S-S#1a failures update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	037	2	5.0.0	Rel-5	MT#1c + MT#2a update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	038	2	5.0.0	Rel-5	MT#1e update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	040	1	5.0.0	Rel-5	Branch parameter corrections	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	041		5.0.0	Rel-5	Changing COMET to UPDATE in chapter 5	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	042		5.0.0	Rel-5	Update of chapter 7.4.8	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020317	24.228	043	1	5.0.0	Rel-5	Content of From/To headers	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	044	1	5.0.0	Rel-5	S-S#1b reference flows update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020288	24.228	046	2	5.0.0	Rel-5	Adding security parameters to the call flows	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	049	1	5.0.0	Rel-5	S-CSCF allocation	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	050	1	5.0.0	Rel-5	Correction to Warn codes	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020229	24.228	053		5.0.0	Rel-5	Removal of Referred-By header from specification	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020297	24.228	061	1	5.0.0	Rel-5	MO#1b and MT#1b update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020296	24.228	062	1	5.0.0	Rel-5	SS#1c update	revised	F		Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020309	24.228	062	2	5.0.0	Rel-5	SS#1c update	approved	F	5.1.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-020230	24.229	004	1	5.0.0	Rel-5	S-CSCF Actions on Authentication Failure	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	005	2	5.0.0	Rel-5	Disallow Parallel Registrations	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	007	1	5.0.0	Rel-5	Hiding	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-020230	24.229	008	7	5.0.0	Rel-5	Support for services for unregistered users	rejected	B		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020312	24.229	008	8	5.0.0	Rel-5	Support for services for unregistered users	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	009	1	5.0.0	Rel-5	Editorials for GPRS Charging ID	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	010	1	5.0.0	Rel-5	Passing GCID to AS	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	011	1	5.0.0	Rel-5	Passing registration ICID	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	012	2	5.0.0	Rel-5	Passing IOI	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	013	1	5.0.0	Rel-5	Passing charging function addresses	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020230	24.229	018		5.0.0	Rel-5	Corrections to original-dialog-id	withdrawn	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	019		5.0.0	Rel-5	MGCF procedure clarification	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	020	2	5.0.0	Rel-5	MGCF procedure error cases	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	022	1	5.0.0	Rel-5	Abbreviations clean up	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	023		5.0.0	Rel-5	Clarification of SIP usage outside IM CN subsystem	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	024	2	5.0.0	Rel-5	Replacement of COMET by UPDATE	revised	C		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020314	24.229	024	3	5.0.0	Rel-5	Replacement of COMET by UPDATE	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	025	3	5.0.0	Rel-5	Incorporation of current RFC numbers	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	026	1	5.0.0	Rel-5	Clarification of B2BUA usage in roles	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	028	4	5.0.0	Rel-5	Determination of MO / MT requests in I-CSCF(THIG)	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020231	24.229	030	2	5.0.0	Rel-5	P-CSCF release of an existing session	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	031	1	5.0.0	Rel-5	S-CSCF release of an existing session	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	033	3	5.0.0	Rel-5	SDP procedure at the UE	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	035	1	5.0.0	Rel-5	AS Procedures corrections	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	036	8	5.0.0	Rel-5	Corrections to SIP Compression	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	037	1	5.0.0	Rel-5	Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	041	2	5.0.0	Rel-5	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-020232	24.229	045		5.0.0	Rel-5	Cleanup of request / response terminology - clause 5	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	046		5.0.0	Rel-5	Cleanup of request / response terminology - clause 6	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	047	2	5.0.0	Rel-5	Simplification of profile tables	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020232	24.229	049		5.0.0	Rel-5	Forking options	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	050		5.0.0	Rel-5	Media-Authorization header corrections	revised	C		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020315	24.229	050	1	5.0.0	Rel-5	Media-Authorization header corrections	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	051	1	5.0.0	Rel-5	Clause 5.4 editorials (S-CSCF)	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	053	2	5.0.0	Rel-5	Integrity protection signalling from the P-CSCF to the S-CSCF	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	054		5.0.0	Rel-5	Representing IM CN subsystem functional entities in profile table roles	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	055		5.0.0	Rel-5	Clause 4 editorials	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	056		5.0.0	Rel-5	Clause 5.8 editorials (MRFC)	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	057	1	5.0.0	Rel-5	Annex A editorials, including precondition additions	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	058	2	5.0.0	Rel-5	Representing the registrar as a UA	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020233	24.229	059		5.0.0	Rel-5	Additional definitions	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020312	24.229	060	1	5.0.0	Rel-5	Restructuring of S-CSCF Registration Sections	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	060	10	5.0.0	Rel-5	Restructuring of S-CSCF Registration Sections	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020312	24.229	060	11	5.0.0	Rel-5	Restructuring of S-CSCF Registration Sections	approved	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	061	2	5.0.0	Rel-5	Determination of MOC / MTC at P-CSCF and S-CSCF	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	062		5.0.0	Rel-5	Correction to the terminating procedures	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	063		5.0.0	Rel-5	Loose Routing for Network Initiated Call Release Procedures	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	064		5.0.0	Rel-5	Incorporation of previously agreed corrections to clause 5.2.5.2 (N1-020416)	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	065		5.0.0	Rel-5	Clause 7.2 editorial corrections	approved	D	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	067	2	5.0.0	Rel-5	S-CSCF routing of MO calls	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020234	24.229	068	1	5.0.0	Rel-5	I-CSCF routeing of dialog requests	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-020234	24.229	069	2	5.0.0	Rel-5	Definition of the Tokanised-by parameter	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	070	3	5.0.0	Rel-5	SDP procedures at UE	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	073	2	5.0.0	Rel-5	Updates to the procedures involving the iFCs, following the Oulu iFC changes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	074	1	5.0.0	Rel-5	Addition of DHCPv6 references to 24.229	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	075	1	5.0.0	Rel-5	Clarification to URL and address assignments	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	079	3	5.0.0	Rel-5	Downloading the implicitely registered public user identities from the S-CSCF to P-CSCF	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	080	3	5.0.0	Rel-5	Clarification of GPRS aspects	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020276	24.229	080	4	5.0.0	Rel-5	Introduction of IPv6 prefix and binding information	revised	B		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	081	2	5.0.0	Rel-5	Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020235	24.229	082	1	5.0.0	Rel-5	Introduction of Visited_Network_ID p-header	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	084	1	5.0.0	Rel-5	MRFC register addresses	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	085	1	5.0.0	Rel-5	MRFC INVITE interface editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	086	1	5.0.0	Rel-5	MRFC OPTIONS interface editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	087		5.0.0	Rel-5	MRFC PRACK & INFO editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	088	1	5.0.0	Rel-5	MGCF OPTIONS interface editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020236	24.229	089		5.0.0	Rel-5	MGCF reINVITE editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	090		5.0.0	Rel-5	3PCC AS editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	091		5.0.0	Rel-5	AS acting as terminating UA editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	092	1	5.0.0	Rel-5	AS acting as originating UA editor's notes	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	093	2	5.0.0	Rel-5	Charging overview clause	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	094	1	5.0.0	Rel-5	Procedures for original-dialog-id P-header	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	095	2	5.0.0	Rel-5	Procedures for charging-vector P-header	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	096	1	5.0.0	Rel-5	Procedures for charging-function-addresses P-header	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020237	24.229	097	1	5.0.0	Rel-5	SDP types	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-020237	24.229	100		5.0.0	Rel-5	Removal of State from profile tables	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	101		5.0.0	Rel-5	Editor's note cleanup - clause 3	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	102		5.0.0	Rel-5	Editor's note cleanup - clause 4	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	103		5.0.0	Rel-5	Editor's note cleanup - clause 5.1 and deletion of void subclauses	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	104	1	5.0.0	Rel-5	Editor's note cleanup - clause 5.2 and deletion of void subclauses	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	105		5.0.0	Rel-5	Editor's note cleanup - clause 5.3	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	106		5.0.0	Rel-5	Editor's note cleanup - clause 5.4 and deletion of void subclauses	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	107		5.0.0	Rel-5	Editor's note cleanup - clause 5.5 and deletion of void subclauses	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	110		5.0.0	Rel-5	Editor's note cleanup - clause 6	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020238	24.229	111		5.0.0	Rel-5	Editor's note cleanup - clause 9	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	113	1	5.0.0	Rel-5	SIP Default Timers	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	114	1	5.0.0	Rel-5	Correction of the subscription to the registration event package	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	115	1	5.0.0	Rel-5	Support for ISIMless UICC	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	119	1	5.0.0	Rel-5	SIP procedures at UE	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	121	2	5.0.0	Rel-5	New requirements in the P-CSCF	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	122		5.0.0	Rel-5	SDP procedures at MGCF	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020239	24.229	124	1	5.0.0	Rel-5	S-CSCF allocation	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	129	1	5.0.0	Rel-5	Introduction of P-Access-Network-Info header	approved	C	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	130	2	5.0.0	Rel-5	Usage of Path and P-Service Route	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	133		5.0.0	Rel-5	Removal of Referred-By header from specification	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	134		5.0.0	Rel-5	Handling of Record-Route header in profile tables	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020312	24.229	135	1	5.0.0	Rel-5	Asserted identities and privacy	approved	B	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	136		5.0.0	Rel-5	Removal of caller preferences from specification	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020240	24.229	137		5.0.0	Rel-5	Substitution of REFER references	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-020240	24.229	138		5.0.0	Rel-5	Removal of session timer from specification	approved	F	5.1.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-020224	29.016	006		4.0.0	Rel-4	Various clean-up of wrong references	approved	F	4.1.0	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1
NP-020223	29.018	029		3.9.0	R99	Various clean-up of wrong references, as eg 24.008 instead of 04.18	approved	F	3.10.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020224	29.018	030		4.3.0	Rel-4	Various clean-up of wrong references, as eg 24.008 instead of 44.018	approved	F	4.4.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020224	29.018	031		5.1.0	Rel-5	Various clean-up of wrong references, as eg 24.008 instead of 44.018	approved	A	5.2.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020222	29.994	A014	2	4.5.0	R99	QoS IE length	approved	A	3.0.0		N1
NP-020222	29.994	A015	2	4.5.0	Rel-4	QoS IE length	approved	A	4.0.0		N1
NP-020222	29.994	A016	1	4.5.0	Rel-5	QoS IE length	approved	A	5.0.0		N1
NP-020224	44.001	001		4.0.0	Rel-4	Various clean-up of wrong references	approved	F	4.1.0	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1
NP-020224	44.013	001		4.0.0	Rel-4	Various clean-up of wrong references, eg towards 44.018	approved	F	4.1.0	Performance Requirements on Mobile Radio Interface	N1
NP-020224	44.068	003	1	4.2.0	Rel-4	Various clean-up of wrong references, eg towards 44.018	approved	F	4.3.0	Group Call Control (GCC) Protocol	N1
NP-020224	44.069	003	1	4.2.0	Rel-4	Various clean-up of wrong references, eg towards 44.018	approved	F	4.3.0	Broadcast Call Control (BCC) protocol	N1
NP-020202	03.78	A170	2	6.10.0	R97	Clarification in the case multiple RRBs are sent for a DP	approved	F	6.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-020202	03.78	A171	1	7.7.0	R98	Clarification in the case multiple RRBs are sent for a DP	approved	A	7.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-020205	23.078	394	1	4.4.0	Rel-5	Composite changes for CAMEL phase 4	approved	B	5.0.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020203	23.078	395	1	3.12.0	R99	Correction of EventReportGPRS parameter QOS	approved	F	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020203	23.078	396	1	4.4.0	Rel-4	Correction of EventReportGPRS parameter QOS	approved	F	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	397	2	3.12.0	R99	Clarifications on CAMEL3 ATM/ATM-ack	approved	A	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020202	23.078	398	1	3.12.0	R99	Clarification in the case multiple RRBs are sent for a DP	approved	A	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-020202	23.078	399	1	4.4.0	Rel-4	Clarification in the case multiple RRBs are sent for a DP	approved	A	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	405	1	3.12.0	R99	Corrections to CTR and ETC Procedures	approved	F	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	406	1	4.4.0	Rel-4	Corrections to CTR and ETC Procedures	approved	A	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	407		4.4.0	Rel-4	Clarifications on ATM-req/ATM-ack	approved	A	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	408	2	3.12.0	R99	Clarification of PDP id for GPRS control	approved	F	3.13.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020204	23.078	410		4.4.0	Rel-4	Clarification of PDP id for GPRS control	approved	A	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-020206	29.078	244	1	4.4.0	Rel-5	Composite changes for CAMEL phase 4	approved	B	5.0.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-020204	29.078	252		3.11.0	R99	Correction of GPRS MS Class	approved	F	3.12.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-020204	29.078	253		4.4.0	Rel-4	Correction of GPRS MS Class	approved	A	4.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-020295	09.61	A035	-	6.7.0	R97	Corrections to the 3GPP RADIUS attributes	approved	F	6.8.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020295	09.61	A036	-	7.6.0	R98	Corrections to the 3GPP RADIUS attributes	approved	A	7.7.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020295	09.61	A037	1	6.7.0	R97	Clarification on the Radius Flows	approved	F	6.8.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020295	09.61	A038	1	7.6.0	R98	Clarification on the Radius Flows	approved	A	7.7.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020169	27.001	071	7	5.1.0	Rel-5	Service change and fallback for UDI/RDI multimedia calls	approved	C	5.2.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-020172	27.001	077	1	5.1.0	Rel-5	Multislot clarification	approved	F	5.2.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020171	27.060	017	3	5.0.0	Rel-5	IPv6 Address autoconfiguration	approved	A	5.1.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020171	27.060	018	-	3.5.0	R99	IPv6 Address autoconfiguration	approved	F	3.6.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020171	27.060	019	-	4.0.0	Rel-4	IPv6 Address autoconfiguration	approved	A	4.1.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020169	29.007	046	6	5.1.0	Rel-5	Service change and fallback for UDI/RDI multimedia calls	approved	C	5.2.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020172	29.007	048	1	5.1.0	Rel-5	Clarification to VMSC/HLR logic for modem/facsimile calls	approved	F	5.2.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020172	29.007	050	2	3.9.0	R99	Signalling of FTM calls	approved	F	3.10.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020172	29.007	051	1	4.3.0	Rel-4	Signalling of FTM calls	approved	A	4.4.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020172	29.007	052	1	5.1.0	Rel-5	Signalling of FTM calls	approved	A	5.2.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-020171	29.061	044	4	5.1.0	Rel-5	Address autoconfiguration of IPv6 terminals and IPv6 update	approved	A	5.2.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020170	29.061	047	1	3.9.0	R99	Clarifications on the RADIUS flows	revised	A		Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020295	29.061	047	2	3.9.0	R99	Clarification on the Radius Flows	approved	A	3.10.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020295	29.061	048	1	4.4.0	Rel-4	Corrections to the 3GPP RADIUS attributes	approved	A	4.5.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3

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NP-020295	29.061	053	-	3.9.0	R99	Corrections to the 3GPP RADIUS attributes	approved	A	3.10.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020295	29.061	054	-	5.1.0	Rel-5	Corrections to the 3GPP RADIUS attributes	approved	A	5.2.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020295	29.061	055	3	4.4.0	Rel-4	Clarification on the Radius Flows	approved	A	4.5.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020295	29.061	056	1	5.1.0	Rel-5	Clarification on the Radius Flows	approved	A	5.2.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020171	29.061	059	-	3.9.0	R99	Address autoconfiguration of IPv6 terminals and IPv6 update	approved	F	3.10.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020171	29.061	060	-	4.4.0	Rel-4	Address autoconfiguration of IPv6 terminals and IPv6 update	approved	A	4.5.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020258	03.03	A055		6.6.0	R97	Restructing the IMEI to combine the TAC and FAC	approved	F	6.7.0	Numbering, Addressing and Identification	N4
NP-020258	03.03	A056		7.6.0	R98	Restructing the IMEI to combine the TAC and FAC	approved	A	7.7.0	Numbering, Addressing and Identification	N4
NP-020250	09.60	A111		6.11.0	R97	Addition of APN-OI to Inter-SGSN RAU	approved	F	6.12.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020250	09.60	A112		7.8.0	R98	Addition of APN-OI to Inter-SGSN RAU	approved	A	7.9.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020252	23.003	037	1	5.2.0	Rel-5	IuFlex support for determining old SGSN during handover/relocation	approved	C	5.3.0	Numbering, Addressing and Identification	N4
NP-020252	23.003	038		5.2.0	Rel-5	Allocation of unique prefixes to IPv6 terminals	approved	F	5.3.0	Numbering, Addressing and Identification	N4
NP-020252	23.003	039		3.9.0	R99	Allocation of unique prefixes to IPv6 terminals	approved	F	3.10.	Numbering, Addressing and Identification	N4
NP-020252	23.003	040		4.3.0	Rel-4	Allocation of unique prefixes to IPv6 terminals	approved	A	4.4.0	Numbering, Addressing and Identification	N4
NP-020252	23.003	041	2	5.2.0	Rel-5	Use of a temporary public user identity	approved	F	5.3.0	Numbering, Addressing and Identification	N4
NP-020258	23.003	042		3.9.0	R99	Restructing the IMEI to combine the TAC and FAC	approved	A	3.10.0	Numbering, Addressing and Identification	N4
NP-020258	23.003	043		4.3.0	Rel-4	Restructing the IMEI to combine the TAC and FAC	approved	A	4.4.0	Numbering, Addressing and Identification	N4
NP-020258	23.003	044		5.2.0	Rel-5	Restructing the IMEI to combine the TAC and FAC	approved	A	5.3.0	Numbering, Addressing and Identification	N4
NP-020260	23.003	045		5.2.0	Rel-5	Use of the TLLI codespace in GERAN Iu mode	approved	F	5.3.0	Numbering, Addressing and Identification	N4
NP-020253	23.003	046		5.2.0	Rel-5	SSN for IM-SSF	postponed	F		Numbering, Addressing and Identification	N4
NP-020258	23.007	006		3.4.0	R99	Removal of an optional IMSI paging after SGSN restart	approved	F	3.5.0	Restoration procedures	N4
NP-020258	23.007	007		4.0.0	Rel-4	Removal of an optional IMSI paging after SGSN restart	approved	A	4.1.0	Restoration procedures	N4
NP-020252	23.008	041	2	5.0.0	Rel-5	Filter Criteria Modifications	approved	C	5.1.0	Organisation of subscriber data	N4
NP-020252	23.008	043		5.0.0	Rel-5	Correction to TS 23.008	approved	C	5.1.0	Organisation of subscriber data	N4

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NP-020248	23.008	044		5.0.0	Rel-5	Correction of the DP criteria table for T-CSI and VT-CSI on the Rel05	approved	F	5.1.0	Organisation of subscriber data	N4
NP-020248	23.008	045	1	5.0.0	Rel-5	Splitting of CAMEL phase 4	approved	B	5.1.0	Organisation of subscriber data	N4
NP-020252	23.008	047	1	5.0.0	Rel-5	Service-Indication	approved	B	5.1.0	Organisation of subscriber data	N4
NP-020252	23.008	048	1	5.0.0	Rel-5	CR on the charging function address format	approved	B	5.1.0	Organisation of subscriber data	N4
NP-020258	23.008	049		3.6.0	R99	Alignment of 23.008	approved	F	3.7.0	Organisation of subscriber data	N4
NP-020258	23.008	050		4.1.0	Rel-4	Alignment of 23.008	approved	A	4.2.0	Organisation of subscriber data	N4
NP-020248	23.008	051		5.0.0	Rel-5	Correction of errors introduced with the taken account of CAMEL 4	approved	F	5.1.0	Organisation of subscriber data	N4
NP-020255	23.008	052	1	5.0.0	Rel-5	Service type	approved	B	5.1.0	Organisation of subscriber data	N4
NP-020258	23.008	053		5.0.0	Rel-5	Alignment of 23.008	approved	A	5.1.0	Organisation of subscriber data	N4
NP-020254	23.016	024		4.1.0	Rel-4	Clarification of introducing Session related and unrelated class	Approved	F	4.2.0	Subscriber data management; Stage 2	N4
NP-020254	23.016	025		5.0.0	Rel-5	Clarification of introducing Session related and unrelated class	Approved	A	5.1.0	Subscriber data management; Stage 2	N4
NP-020256	23.016	026		5.0.0	Rel-5	on Codeword and Service Type	approved	B	5.1.0	Subscriber data management; Stage 2	N4
NP-020258	23.079	017		3.6.0	R99	Clarifications to Resume Call Handling	approved	F	3.7.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020258	23.079	018		4.0.0	Rel-4	Clarifications to Resume Call Handling	approved	A	4.1.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020258	23.079	019		5.0.0	Rel-5	Clarifications to Resume Call Handling	approved	A	5.1.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020258	23.082	013		3.6.0	R99	“Long FTN Supported” to be transferred from VLR to HLR	approved	F	3.7.0	Call Forwarding (CF) Supplementary Services; Stage 2	N4
NP-020258	23.082	014		4.2.0	Rel-4	“Long FTN Supported” to be transferred from VLR to HLR	approved	A	4.3.0	Call Forwarding (CF) Supplementary Services; Stage 2	N4
NP-020247	23.153	033	2	5.0.0	Rel-5	Introduction of AMR-WB	approved	B	5.1.0	Out of Band Transcoder Control; Stage 2	N4
NP-020260	23.205	024		5.1.0	Rel-5	MSC server GTT enhancement	approved	B	5.2.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020260	23.205	025	1	5.1.0	Rel-5	Alignment of terminology regarding GERAN access	approved	B	5.2.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020249	23.205	027		4.4.0	Rel-4	Correction of an incorrect reference in Section 8.3.3.2	approved	F	4.5.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020249	23.205	028		5.1.0	Rel-5	Correction of an incorrect reference in Section 8.3.3.2	approved	A	5.2.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020256	24.030	013		5.0.0	Rel-5	LCS : Codeword and Service Type	approved	B	5.1.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-020256	24.080	016		5.0.0	Rel-5	LCS : Codeword and Service Type	approved	B	5.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020254	24.080	017	1	4.2.0	Rel-4	LCS : Error handling if wrong method requested in LCS-MOLR	Approved	F	4.3.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020254	24.080	018	1	5.0.0	Rel-5	LCS : Error handling if wrong method requested in LCS-MOLR	Approved	A	5.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020260	24.080	020		5.0.0	Rel-5	Correction of Object Identifiers for ASN.1 modules	approved	F	5.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020254	24.080	021		3.6.0	R99	LCS: error handling if shape not supported by MS	Approved	F	3.7.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4

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NP-020254	24.080	022		4.2.0	Rel-4	LCS: error handling if shape not supported by MS	Approved	A	4.3.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020254	24.080	023		5.0.0	Rel-5	LCS: error handling if shape not supported by MS	Approved	A	5.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020268	29.002	397	3	4.7.0	Rel-4	Check of NAM and Requesting Node Type on receipt of SendAuthenticationInfo	approved	C	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020259	29.002	398	1	5.1.0	Rel-5	Check of NAM and Requesting Node Type on receipt of SendAuthenticationInfo	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	408	2	5.1.0	Rel-5	Transferring the MS classmark & IMEI to the fgsmSCF	approved	B	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020259	29.002	409		4.7.0	Rel-4	Handling the MNRR flag in the HLR & SMS-GMSC	approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020259	29.002	410		5.1.0	Rel-5	Handling the MNRR flag in the HLR & SMS-GMSC	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	414	1	5.1.0	Rel-5	Corrections to the handling of Any Time Interrogation and Provide Subscriber Info	approved	F	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020253	29.002	415	5	5.1.0	Rel-5	CR29.002 for support of MAP Si interface	postponed	B		Mobile Application Part (MAP) specification	N4
NP-020254	29.002	419	1	4.7.0	Rel-4	Clarfication of introducing Session related and unrelated class	Approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	420	1	5.1.0	Rel-5	Clarfication of introducing Session related and unrelated class	Approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020256	29.002	421	5	5.1.0	Rel-5	LCS : Codeword and Service Type	approved	B	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	422	1	5.1.0	Rel-5	CAMEL4 : Triggering of gsmSCF for MT-SMS-CSI	approved	F	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	423		5.1.0	Rel-5	CAMEL4 : Clarification of handling of MT-SMS-TPDU-Type and SMS-TDP	approved	F	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	424		4.7.0	Rel-4	LCS : Clarify conditions to trigger restart of MTLR-Deferred procedure	Approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	425		5.1.0	Rel-5	LCS : Clarify conditions to trigger restart of MTLR-Deferred procedure	Approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	426	1	3.12.0	R99	LCS : on error handling if shape not supported by GMLC	Approved	F	3.13.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	427	2	4.7.0	Rel-4	LCS : on error handling if shape not supported by GMLC	Approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	428	2	5.1.0	Rel-5	LCS : on error handling if shape not supported by GMLC	Approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	429	1	4.7.0	Rel-4	Corrections on the introduction of LCS for PS domain	Approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.002	430	1	5.1.0	Rel-5	Corrections on the introduction of LCS for PS domain	Approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	435	1	5.1.0	Rel-5	Change PS-connected to PS-PDPactive	approved	D	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	436	1	5.1.0	Rel-5	Splitting of CAMEL phase 4	approved	B	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020258	29.002	438	2	3.12.0	R99	Clarification on SendAuthenticationInfo	approved	F	3.13.0	Mobile Application Part (MAP) specification	N4

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NP-020258	29.002	439	2	4.7.0	Rel-4	Clarification on SendAuthenticationInfo	approved	A	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020258	29.002	440	2	5.1.0	Rel-5	Clarification on SendAuthenticationInfo	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020260	29.002	441		5.1.0	Rel-5	Correction of Object Identifiers for ASN.1 modules	approved	F	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020253	29.002	443	1	5.1.0	Rel-5	R5 CR29.002 for IMS-CAMEL ATM	postponed	B		Mobile Application Part (MAP) specification	N4
NP-020251	29.002	444	2	3.12.0	R99	Addition of Service Handover parameters to MAP Handover messages	approved	F	3.13.0	Mobile Application Part (MAP) specification	N4
NP-020251	29.002	445	1	4.7.0	Rel-4	Addition of Service Handover parameters to MAP Handover messages	approved	A	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020251	29.002	446	1	5.1.0	Rel-5	Addition of Service Handover parameters to MAP Handover messages	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020259	29.002	447	1	4.7.0	Rel-4	Editorial corrections in SS-code chapter	approved	F	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020259	29.002	448	1	5.1.0	Rel-5	Editorial corrections in SS-code chapter	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020256	29.002	450		5.1.0	Rel-5	Correction to LCS in the PS domain	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020256	29.002	451		3.12.0	R99	Addition of Radio Resource List to the Forward Access Signalling operation	approved	F	3.13.0	Mobile Application Part (MAP) specification	N4
NP-020256	29.002	452		4.7.0	Rel-4	Addition of Radio Resource List to the Forward Access Signalling operation	approved	A	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020256	29.002	453		5.1.0	Rel-5	Addition of Radio Resource List to the Forward Access Signalling operation	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020248	29.002	454		5.1.0	Rel-5	Addition of Location Information GPRS to Note MM Event operation	approved	B	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020258	29.002	458		3.12.0	R99	Clarifications to Resume Call Handling	approved	F	3.13.0	Mobile Application Part (MAP) specification	N4
NP-020258	29.002	459		4.7.0	Rel-4	Clarifications to Resume Call Handling	approved	A	4.8.0	Mobile Application Part (MAP) specification	N4
NP-020258	29.002	460		5.1.0	Rel-5	Clarifications to Resume Call Handling	approved	A	5.2.0	Mobile Application Part (MAP) specification	N4
NP-020254	29.010	048	1	4.2.0	Rel-4	LCS: Mapping BSSMAP-RANAP for request of	Approved	F	4.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020254	29.010	050	1	3.7.0	R99	LCS: clarification of mapping for Location Acquisition	Approved	F	3.8.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4

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NP-020254	29.010	051	1	4.2.0	Rel-4	LCS: clarification of mapping for Location Acquisition	Approved	F	4.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020259	29.010	052		4.2.0	Rel-4	Check of NAM and Requesting Node Type on receipt of SendAuthentication	approved		4.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020251	29.010	053	1	3.7.0	R99	Service Handover	approved	F	3.8.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020251	29.010	054	1	4.2.0	Rel-4	Service Handover	approved	A	4.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020260	29.060	311		5.1.0	Rel-5	Clarification on create PDP context for existing	approved	F	5.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020250	29.060	312		3.12.0	R99	Addition of parameter to Inter-SGSN RAU	approved	F	3.13.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020250	29.060	313		3.12.0	R99	Correction on the handling of S field	approved	F	3.13.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020261	29.060	318		5.1.0	Rel-5	Support of IPv4 and IPv6 node addresses in Core Network	revised	C		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020310	29.060	318	1	5.1.0	Rel-5	Support of IPv4 and IPv6 node addresses in Core Network	approved	C	5.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020257	29.060	319	1	5.1.0	Rel-5	Reference to 3GPP TS 33.210 for protection of GTP	approved	C	5.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020260	29.232	030	1	5.1.0	Rel-5	GTT enhancement on Mc	approved	B	5.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020260	29.232	032		5.1.0	Rel-5	Update to TFO package to explicitly reference TS 26.103 for 3GPP codecs	approved	A	5.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020260	29.232	033	2	5.1.0	Rel-5	CTM Text Transport package	approved	B	5.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4

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NP-020260	29.232	034		5.1.0	Rel-5	Allow the usage of logical port	approved	F	5.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020249	29.232	035		4.4.0	Rel-4	Correction Section 14.1.6 of 3GPP TS 29.332	approved	F	4.5.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020249	29.232	036		5.1.0	Rel-5	Correction Section 14.1.6 of 3GPP TS 29.332	approved	A	5.2.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020181	29.198-01	005	-	4.3.1	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020182	29.198-01	006	-	4.3.1	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020184	29.198-01	007	-	4.3.1	Rel-5	Adding the full naming convention for exceptions	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020184	29.198-01	008	-	4.3.1	Rel-5	Correction of References in OSA specifications	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020184	29.198-01	009	-	4.3.1	Rel-5	Addition of text describing the technology realisations of the Parlay/OSA specification	approved	D	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-020185	29.198-02	011	-	4.4.0	Rel-5	Allowing the use of tel URL in TpAddressPlan	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	012	-	4.4.0	Rel-5	Adding TpInt64 in order to aling with the new Rel-5 TS 29.198-14	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	013	-	4.4.0	Rel-5	Addition of undefined Data types: TpStringList and TpStringSet	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020181	29.198-02	014	-	4.4.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020182	29.198-02	015	-	4.4.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	016	-	4.4.0	Rel-5	Deletion of P_SET_LENGTH_EXCEEDED	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	017	-	4.4.0	Rel-5	Removal of MIDL	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	018	-	4.4.0	Rel-5	Revise the scope of TpSessionID and TpAssignmentID	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	019	-	4.4.0	Rel-5	Deprecate P_ADDRESS_PLAN_MSMAIL	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5

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NP-020185	29.198-02	020	-	4.4.0	Rel-5	Addition of support for an Exception Hierarchy	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020185	29.198-02	021	-	4.4.0	Rel-5	Addition of type TpVersion in common data	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-020179	29.198-03	030	-	4.4.0	Rel-4	Solving the problem in the OSA Framework with method appUnavailableInd() in a scenario with multiple service sessions per access session	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020179	29.198-03	031	-	4.4.0	Rel-4	Adding missing mandatory method (authenticationSucceeded) to sequence flow	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	032	-	4.5.0	Rel-5	Remove redundant data type definition TpServiceSpecString	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020181	29.198-03	033	-	4.5.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	034	-	4.5.0	Rel-5	Delete description of P_APPLICATION_NOT_ACTIVATED conflicting with 29.198-02	withdrawn	F		Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020182	29.198-03	035	-	4.5.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	036	-	4.5.0	Rel-5	Clarify semantics of service properties of type BOOLEAN_SET	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	037	-	4.5.0	Rel-5	Addition of version management support to the Framework (29.198-03) in run-time	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	038	-	4.5.0	Rel-5	Enhancements on subscription management error information	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	039	-	4.5.0	Rel-5	Delete conflicting description of P_APPLICATION_NOT_ACTIVATED	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	040	-	4.5.0	Rel-5	Note added for P_SERVICE_INSTANCE Choice Element Name	approved	D	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	041	-	4.5.0	Rel-5	Correcting the method descriptions for abortAuthentication and for initiateAuthentication	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	042	-	4.5.0	Rel-5	Correcting the description of heartbeat failure	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020186	29.198-03	043	-	4.5.0	Rel-5	Correcting erroneous FW<->Service instance sequence diagrams	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5

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NP-020186	29.198-03	044	-	4.5.0	Rel-5	Correcting the scope of TpFwID, which currently is giving it false limitations	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-020180	29.198-04	035	-	4.3.0	Rel-4	Correction to TpCallChargePlan	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020180	29.198-04	036	-	4.3.0	Rel-4	Correction to CAMEL Service Property values	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020181	29.198-04	037	-	4.4.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020182	29.198-04	038	-	4.4.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	039	-	4.4.0	Rel-5	Addition of support for Emergency Telecommunications Service	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020183	29.198-04	040	-	4.4.0	Rel-5	Addition of support for Network Controlled Notifications MPCC	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	041	-	4.4.0	Rel-5	Changes to getNotification()	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	042	-	4.4.0	Rel-5	Addition of P_UNSUPPORTED_MEDIA release cause to TpReleaseCause	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	043	-	4.4.0	Rel-5	Addition of CAMEL Phase 4 Service Property values	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	044	-	4.4.0	Rel-5	Addition of indication whether SCS supports initially multiple routeReqs in parallel	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	045	-	4.4.0	Rel-5	Explicit exception for continueProcessing when not in interrupted mode	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	046	-	4.4.0	Rel-5	Indication needed that supervision will be ended when call or callLeg is deassigned	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	047	-	4.4.0	Rel-5	Clarify ambiguous Supervision duration	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	048	-	4.4.0	Rel-5	Detach/Attach request illegal during pending Attach/Detach request	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	049	-	4.4.0	Rel-5	Correction of Multi-Party Call Control properties	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5

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NP-020187	29.198-04	050	-	4.4.0	Rel-5	Correcting the sequence diagram descriptions in GCC and MPCC	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	051	-	4.4.0	Rel-5	Correcting erroneous description of UI behaviour in call control	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	052	-	4.4.0	Rel-5	Correcting the descriptions of sequence diagrams that don't match the diagram	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	053	-	4.4.0	Rel-5	Correcting erroneous references to GCC in MPCC	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	054	-	4.4.0	Rel-5	Addition of the Multi-media APIs to Call control SCF (29.198-4)	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020187	29.198-04	055	-	4.4.0	Rel-5	Updating Clause 4 for Release 5	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020188	29.198-04	056	-	4.4.0	Rel-5	Spliting of 29.198-04 into 4 separate TSs (sub-parts)	approved	D	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-020181	29.198-05	009	-	4.4.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020189	29.198-05	010	-	4.4.0	Rel-5	Improve the vague description of P_ID_NOT_FOUND	approved	D	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020182	29.198-05	011	-	4.4.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020189	29.198-05	012	-	4.4.0	Rel-5	Detach call leg before playing announcement or collecting digits	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020189	29.198-05	013	-	4.4.0	Rel-5	Delete P_INVALID_CRITERIA from sendInfoAndCollectReq()	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020183	29.198-05	014	-	4.4.0	Rel-5	Addition of Support for Network Controlled Notifications UI	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020189	29.198-05	015	-	4.4.0	Rel-5	Correcting erroneous description of UI behaviour in call control	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-020181	29.198-06	009	-	4.4.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020182	29.198-06	010	-	4.4.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5

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NP-020190	29.198-06	011	-	4.4.0	Rel-5	Delete the repetitive description of P_APPLICATION_NOT_ACTIVATED and other exceptions	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020190	29.198-06	012	-	4.4.0	Rel-5	Correcting type of assignmentID parameters from TpSessionID to TpAssignmentID	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020190	29.198-06	013	-	4.4.0	Rel-5	Correcting erroneous references to Service Factory	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-020182	29.198-07	006	-	5.0.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-020182	29.198-08	006	-	4.4.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020183	29.198-08	007	-	4.4.0	Rel-5	Addition of Support for Network Controlled Notifications DSC	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020192	29.198-08	008	-	4.4.0	Rel-5	Adding missing text concerning the activity timer and criteria overlap	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-020193	29.198-11	008	-	4.3.0	Rel-5	Change to new Service Property P_MAX_ADDRESSES_PER_QUERY for Account Management	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020182	29.198-11	009	-	4.3.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020183	29.198-11	010	-	4.3.0	Rel-5	Addition of Support for Network Controlled Notifications AM	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-020194	29.198-12	012	-	4.3.0	Rel-5	Clarify the use of setCallback with charging	approved	F	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020194	29.198-12	013	-	4.3.0	Rel-5	Adding Service Properties for the Content Based Charging API	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020194	29.198-12	014	-	4.3.0	Rel-5	Addition of support for interactive authorization of payments ("User Confirmation")	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020194	29.198-12	015	-	4.3.0	Rel-5	Addition of support for Split Charging feature	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020181	29.198-12	016	-	4.3.0	Rel-5	Addition of support for Java API technology realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-020182	29.198-12	017	-	4.3.0	Rel-5	Addition of support for WSDL realisation	approved	B	5.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5

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RP-020306	25.201	015		3.3.0	R99	Downlink bit mapping	approved	F	3.4.0	Physical layer - general description	R1
RP-020306	25.201	016		4.2.0	Rel-4	Downlink bit mapping	approved	A	4.3.0	Physical layer - general description	R1
RP-020306	25.201	017		5.0.0	Rel-5	Downlink bit mapping	approved	A	5.0.0	Physical layer - general description	R1
RP-020307	25.211	143	1	3.10.0	R99	SCCPCH structure with STTD encoding	approved	F	3.11.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020307	25.211	144	1	4.4.0	Rel-4	SCCPCH structure with STTD encoding	approved	A	4.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020316	25.211	147	3	5.0.0	Rel-5	Specification of TX diversity for HSDPA	revised	B		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020437	25.211	147	4	5.0.0	Rel-5	Specification of TX diversity for HSDPA	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020307	25.211	149	1	5.0.0	Rel-5	SCCPCH structure with STTD encoding	approved	A	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020316	25.211	150	1	5.0.0	Rel-5	Adding section on HS-SCCH/HS-PDSCH timing relation	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020307	25.211	151		3.10.0	R99	Downlink bit mapping	approved	F	3.11.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020307	25.211	152		4.4.0	Rel-4	Downlink bit mapping	approved	A	4.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020307	25.211	153		5.0.0	Rel-5	Downlink bit mapping	approved	A	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020316	25.211	155		5.0.0	Rel-5	HSDPA subframe definition	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020316	25.211	157	1	5.0.0	Rel-5	Clarification for uplink HS-DPCCH/HS-PDSCH timing	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020316	25.212	130	5	5.0.0	Rel-5	Correction of errata noted by RAN1 delegates	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020316	25.212	131	2	5.0.0	Rel-5	Removal of inconsistencies and ambiguities in the HARQ description	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020316	25.212	132		5.0.0	Rel-5	Rate matching and channel coding for HS-SCCH	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020308	25.212	134		3.9.0	R99	Downlink bit mapping	approved	F	3.10.0	Multiplexing and channel coding (FDD)	R1
RP-020308	25.212	135		4.4.0	Rel-4	Downlink bit mapping	approved	A	4.5.0	Multiplexing and channel coding (FDD)	R1
RP-020308	25.212	136		5.0.0	Rel-5	Downlink bit mapping	approved	A	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020316	25.212	137		5.0.0	Rel-5	Basis sequences for HS-DPCCH channel quality information code	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020316	25.212	145	4	5.0.0	Rel-5	UE specific masking for HS-SCCH part1	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1
RP-020316	25.212	145	5	5.0.0	Rel-5	UE specific masking for HS-SCCH part1	approved	F	5.1.0	Multiplexing and channel coding (FDD)	R1

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RP-020316	25.213	050		5.0.0	Rel-5	Consistency of signal point constellation for QPSK and 16QAM	approved	F	5.1.0	Spreading and modulation (FDD)	R1
RP-020309	25.213	051	1	3.7.0	R99	Downlink bit mapping	approved	F	3.8.0	Spreading and modulation (FDD)	R1
RP-020309	25.213	052	1	4.2.0	Rel-4	Downlink bit mapping	approved	A	4.3.0	Spreading and modulation (FDD)	R1
RP-020309	25.213	053	1	5.0.0	Rel-5	Downlink bit mapping	approved	A	5.1.0	Spreading and modulation (FDD)	R1
RP-020316	25.213	054		5.0.0	Rel-5	Clarification of uplink DTX handling and modulation	approved	F	5.1.1	Spreading and modulation (FDD)	R1
RP-020316	25.213	055	2	5.0.0	Rel-5	Removal of code mapping description over HS-SCCH	approved	F	5.1.0	Spreading and modulation (FDD)	R1
RP-020316	25.213	056	3	5.0.0	Rel-5	I/Q mapping of HS-DPCCH	approved	F	5.1.0	Spreading and modulation (FDD)	R1
RP-020316	25.213	057		5.0.0	Rel-5	Definition of the amplitude gain factor for HS-DPCCH	approved	F	5.1.0	Spreading and modulation (FDD)	R1
RP-020316	25.214	255	2	5.0.0	Rel-5	Correction on the operation of HSDPA during compressed mode	approved	F	5.1.0	Physical layer procedures (FDD)	R1
RP-020316	25.214	259	1	5.0.0	Rel-5	Clarification of UE transmission timing adjustment with HS-DPCCH	approved	F	5.1.0	Physical layer procedures (FDD)	R1
RP-020316	25.214	260	4	5.0.0	Rel-5	Definition of CQI reporting	approved	F	5.1.0	Physical layer procedures (FDD)	R1
RP-020318	25.214	265	1	5.0.0	Rel-5	Definition of Qth threshold parameter in SSDT	approved	C	5.1.0	Physical layer procedures (FDD)	R1
RP-020316	25.214	266		5.0.0	Rel-5	Correction to the setting of DPCCH/HS-DPCCH power difference	approved	F	5.1.0	Physical layer procedures (FDD)	R1
RP-020316	25.214	267		5.0.0	Rel-5	Inclusion of CQI table	approved	F	5.1.0	Physical layer procedures (FDD)	R1
RP-020310	25.221	077		3.10.0	R99	Clarification of shared channel functionality for TDD	rejected	F		Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020310	25.221	078		4.4.0	Rel-4	Clarification of shared channel functionality for TDD	rejected	A		Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020313	25.221	079		4.4.0	Rel-4	Clarification of shared channel functionality for TDD	approved	F	4.5.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020310	25.221	080	1	5.0.0	Rel-5	Clarification of shared channel functionality for TDD	revised	A		Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020434	25.221	080	2	5.0.0	Rel-5	Clarification of shared channel functionality for TDD	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020317	25.221	081		5.0.0	Rel-5	Tx diversity for HSDPA in TDD	approved	F	5.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020313	25.221	082		5.0.0	Rel-5	Clarification of shared channel functionality for TDD	approved	A	5.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020311	25.222	070	1	3.8.0	R99	Second stage interleaving and physical channel mapping	approved	F	3.9.0	Multiplexing and channel coding (TDD)	R1
RP-020311	25.222	071	1	4.3.0	Rel-4	Second stage interleaving and physical channel mapping	approved	A	4.4.0	Multiplexing and channel coding (TDD)	R1
RP-020314	25.222	072		4.3.0	Rel-4	Correction to addition of padding zeros to PICH in 1.28 Mcps TDD	approved	F	4.4.0	Multiplexing and channel coding (TDD)	R1
RP-020314	25.222	073		5.0.0	Rel-5	Correction to addition of padding zeros to PICH in 1.28 Mcps TDD	approved	A	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020311	25.222	074		3.8.0	R99	Zero padding for TFCI	approved	F	3.9.0	Multiplexing and channel coding (TDD)	R1
RP-020311	25.222	075	1	4.3.0	Rel-4	Zero padding for TFCI (3.84Mcps TDD)	approved	A	4.4.0	Multiplexing and channel coding (TDD)	R1

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RP-020311	25.222	076	1	5.0.0	Rel-5	Zero padding for TFCI (3.84Mcps TDD)	approved	A	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020311	25.222	077		5.0.0	Rel-5	Second stage interleaving and physical channel mapping	approved	A	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020317	25.222	078	2	5.0.0	Rel-5	Removal of inconsistencies and ambiguities in the HARQ description	approved	F	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020317	25.222	079	4	5.0.0	Rel-5	Corrections to HS-DSCH coding	approved	F	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020317	25.222	082	1	5.0.0	Rel-5	Corrections to HSDPA multiplexing and coding	approved	F	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020317	25.222	084		5.0.0	Rel-5	Introduction of HS-SCCH cyclic sequence counter for TDD	approved	F	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020314	25.222	085		4.3.0	Rel-4	Zero padding for TFCI (1.28Mcps TDD)	approved	F	4.4.0	Multiplexing and channel coding (TDD)	R1
RP-020314	25.222	086		5.0.0	Rel-5	Zero padding for TFCI (1.28Mcps TDD)	approved	A	5.1.0	Multiplexing and channel coding (TDD)	R1
RP-020317	25.223	031		5.0.0	Rel-5	Correction of SPC for 16QAM in TDD	approved	F	5.1.0	Spreading and modulation (TDD)	R1
RP-020315	25.224	087		4.4.0	Rel-4	Clarification on power control and Tx diversity procedure for 1.28 Mcps TDD	approved	F	4.5.0	Physical layer procedures (TDD)	R1
RP-020315	25.224	088		5.0.0	Rel-5	Clarification on power control and Tx diversity procedure for 1.28 Mcps TDD	approved	A	5.1.0	Physical layer procedures (TDD)	R1
RP-020317	25.224	089		5.0.0	Rel-5	Tx diversity for HSDPA in TDD	approved	F	5.1.0	Physical layer procedures (TDD)	R1
RP-020317	25.224	090		5.0.0	Rel-5	Correction to HS-SCCH power control (TDD)	approved	F	5.1.0	Physical layer procedures (TDD)	R1
RP-020312	25.225	046	2	3.9.0	R99	Clarification of UE measurements applicability	approved	F	3.10.0	Physical layer; Measurements (TDD)	R1
RP-020312	25.225	047	2	4.3.0	Rel-4	Clarification of UE measurements applicability	approved	A	4.4.0	Physical layer; Measurements (TDD)	R1
RP-020312	25.225	050	2	5.0.0	Rel-5	Clarification of UE measurements applicability	approved	A	5.1.0	Physical layer; Measurements (TDD)	R1
RP-020321	25.301	063		3.9.0	R99	Introduction of DSCH-RNTI	approved	F	3.10.0	Radio Interface Protocol Architecture	R2
RP-020321	25.301	064		4.2.0	Rel-4	Introduction of DSCH-RNTI	approved	A	4.3.0	Radio Interface Protocol Architecture	R2
RP-020321	25.301	065		5.0.0	Rel-5	Introduction of DSCH-RNTI	approved	A	5.1.0	Radio Interface Protocol Architecture	R2
RP-020341	25.301	066		5.0.0	Rel-5	HSDPA specific corrections	approved	F	5.1.0	Radio Interface Protocol Architecture	R2
RP-020322	25.302	125		3.12.0	R99	Correction to inconsistency between 25.302 and RRM Specifications (25.123/25.133)	approved	F	3.13.0	Services provided by the physical layer	R2
RP-020322	25.302	126		4.4.0	Rel-4	Correction to inconsistency between 25.302 and RRM Specifications (25.123/25.133)	approved	A	4.5.0	Services provided by the physical layer	R2
RP-020322	25.302	127		5.0.0	Rel-5	Correction to inconsistency between 25.302 and RRM Specifications (25.123/25.133)	approved	A	5.1.0	Services provided by the physical layer	R2
RP-020341	25.302	128		5.0.0	Rel-5	HSDPA corrections	approved	F	5.1.0	Services provided by the physical layer	R2
RP-020323	25.303	070		3.11.0	R99	Clarification on lossless SRNS Relocation	approved	F	3.12.0	Interlayer procedures in Connected Mode	R2
RP-020323	25.303	071		4.4.0	Rel-4	Clarification on lossless SRNS Relocation	approved	A	4.5.0	Interlayer procedures in Connected Mode	R2
RP-020323	25.303	072		5.0.0	Rel-5	Clarification on lossless SRNS Relocation	approved	A	5.1.0	Interlayer procedures in Connected Mode	R2
RP-020345	25.303	073		5.0.0	Rel-5	RFC 3095 context relocation	approved	B	5.1.0	Interlayer procedures in Connected Mode	R2
RP-020324	25.304	099		3.10.0	R99	Limitations of CBS reception	approved	F	3.11.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020324	25.304	100		4.4.0	Rel-4	Limitations of CBS reception	approved	A	4.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020324	25.304	101		5.0.0	Rel-5	Limitations of CBS reception	approved	A	5.1.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020341	25.306	040		5.0.0	Rel-5	Corrections in HSDPA UE capabilities	revised	F		UE Radio Access capabilities definition	R2
RP-020439	25.306	040	1	5.0.0	Rel-5	Corrections in HSDPA UE capabilities	approved	F	5.1.0	UE Radio Access capabilities definition	R2
RP-020341	25.306	041		5.0.0	Rel-5	HSDPA TDD UE capabilities	approved	F	5.1.0	UE Radio Access capabilities definition	R2
RP-020325	25.306	042		3.5.0	R99	Security Capabilities	approved	F	3.6.0	UE Radio Access capabilities definition	R2

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RP-020325	25.306	043		4.4.0	Rel-4	Security Capabilities	approved	A	4.5.0	UE Radio Access capabilities definition	R2
RP-020325	25.306	044		5.0.0	Rel-5	Security Capabilities	approved	A	5.1.0	UE Radio Access capabilities definition	R2
RP-020341	25.306	045		5.0.0	Rel-5	DPCH capabilities with simultaneous HSDPA configuration	approved	F	5.1.0	UE Radio Access capabilities definition	R2
RP-020345	25.306	046		5.0.0	Rel-5	RFC 3095 context relocation	approved	B	5.1.0	UE Radio Access capabilities definition	R2
RP-020326	25.321	115		3.11.0	R99	Update References to include 25.123 (TDD)	approved	F	3.12.0	Medium Access Control (MAC) protocol specification	R2
RP-020326	25.321	116		4.4.0	Rel-4	Update References to include 25.123 (TDD)	approved	A	4.5.0	Medium Access Control (MAC) protocol specification	R2
RP-020326	25.321	117		5.0.0	Rel-5	Update References to include 25.123 (TDD)	approved	A	5.1.0	Medium Access Control (MAC) protocol specification	R2
RP-020326	25.321	118		3.11.0	R99	TFCS selection guideline correction	approved	F	3.12.0	Medium Access Control (MAC) protocol specification	R2
RP-020326	25.321	119		4.4.0	Rel-4	TFCS selection guideline correction	approved	A	4.5.0	Medium Access Control (MAC) protocol specification	R2
RP-020326	25.321	120		5.0.0	Rel-5	TFCS selection guideline correction	approved	A	5.1.0	Medium Access Control (MAC) protocol specification	R2
RP-020341	25.321	121		5.0.0	Rel-5	HSDPA related MAC corrections	approved	F	5.1.0	Medium Access Control (MAC) protocol specification	R2
RP-020341	25.321	122		5.0.0	Rel-5	Description for MAC-hs reset	approved	F	5.1.0	Medium Access Control (MAC) protocol specification	R2
RP-020327	25.322	184		3.10.0	R99	Handling abnormal UMD PDUs and AMD PDUs	approved	F	3.11.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	185		4.4.0	Rel-4	Handling abnormal UMD PDUs and AMD PDUs	approved	A	4.5.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	186		5.0.0	Rel-5	Handling abnormal UMD PDUs and AMD PDUs	approved	A	5.1.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	187		3.10.0	R99	Clarification of the use of Length Indicators	approved	F	3.11.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	188		4.4.0	Rel-4	Clarification of the use of Length Indicators	approved	A	4.5.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	189		5.0.0	Rel-5	Clarification of the use of Length Indicators	approved	A	5.1.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	190	1	3.10.0	R99	Correction to MaxDAT, MaxRST and MaxMRW	approved	F	3.11.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	191	1	4.4.0	Rel-4	Correction to MaxDAT, MaxRST and MaxMRW	approved	A	4.5.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	192	1	5.0.0	Rel-5	Correction to MaxDAT, MaxRST and MaxMRW	approved	A	5.1.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	193		3.10.0	R99	Clarification on polling functions	approved	F	3.11.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	194		4.4.0	Rel-4	Clarification on polling functions	approved	A	4.5.0	Radio Link Control (RLC) protocol specification	R2
RP-020327	25.322	195		5.0.0	Rel-5	Clarification on polling functions	approved	A	5.1.0	Radio Link Control (RLC) protocol specification	R2
RP-020328	25.323	047		3.8.0	R99	Clarification on PDCP sequence number synchronization procedure	approved	F	3.9.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020328	25.323	048		4.4.0	Rel-4	Clarification on PDCP sequence number synchronization procedure	approved	A	4.5.0	Packet Data Convergence Protocol (PDCP) specification	R2

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RP-020328	25.323	049		5.0.0	Rel-5	Clarification on PDCP sequence number synchronization procedure	approved	A	5.1.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020345	25.323	050		5.0.0	Rel-5	RFC 3095 context relocation	approved	B	5.1.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-020329	25.324	008	1	3.4.0	R99	Clarification on BMC message encoding	approved	F	3.5.0	Broadcast/Multicast Control (BMC)	R2
RP-020329	25.324	009		4.0.0	Rel-4	Clarification on BMC message encoding	approved	A	4.1.0	Broadcast/Multicast Control (BMC)	R2
RP-020329	25.324	010		5.0.0	Rel-5	Clarification on BMC message encoding	approved	A	5.1.0	Broadcast/Multicast Control (BMC)	R2
RP-020330	25.331	1371		3.10.0	R99	ASN.1 Corrections	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1372		4.4.0	Rel-4	ASN.1 Corrections	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1373		5.0.0	Rel-5	ASN.1 Corrections	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1374		3.10.0	R99	Clarification of unnecessary MP IEs in RADIO BEARER RECONFIGURATION	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1375		4.4.0	Rel-4	Clarification of unnecessary MP IEs in RADIO BEARER RECONFIGURATION	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1376		5.0.0	Rel-5	Clarification of unnecessary MP IEs in RADIO BEARER RECONFIGURATION	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1377		3.10.0	R99	Correction on SIB type	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1378		4.4.0	Rel-4	Correction on SIB type	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1379		5.0.0	Rel-5	Correction on SIB type	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1380		3.10.0	R99	Clarification to the handling of IE "Cells for measurement" received in SIB 11/12	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1381		4.4.0	Rel-4	Clarification to the handling of IE "Cells for measurement" received in SIB 11/12	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1382		5.0.0	Rel-5	Clarification to the handling of IE "Cells for measurement" received in SIB 11/12	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1383	1	3.10.0	R99	Correction to Cell Update procedure	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1384	1	4.4.0	Rel-4	Correction to Cell Update procedure	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1385	1	5.0.0	Rel-5	Correction to Cell Update procedure	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1386		3.10.0	R99	Correction to handling of FACH measurement occasion info in SIB12	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1387		4.4.0	Rel-4	Correction to handling of FACH measurement occasion info in SIB12	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020330	25.331	1388		5.0.0	Rel-5	Correction to handling of FACH measurement occasion info in SIB12	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1389		3.10.0	R99	UTRAN use of special LI	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1390		3.10.0	R99	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020331	25.331	1391		4.4.0	Rel-4	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1392		5.0.0	Rel-5	Actions when optional IE "Maximum allowed UL TX power" is missing	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1393		3.10.0	R99	Corrections concerning default configurations	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1394		4.4.0	Rel-4	Corrections concerning default configurations	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1395		5.0.0	Rel-5	Corrections concerning default configurations	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1396		3.10.0	R99	Correction concerning when hard handover specific handling applies	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1397		4.4.0	Rel-4	Correction concerning when hard handover specific handling applies	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1398		5.0.0	Rel-5	Correction concerning when hard handover specific handling applies	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1399		3.10.0	R99	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1400		4.4.0	Rel-4	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1401		5.0.0	Rel-5	Handling of variables CELL_INFO_LIST and MEASUREMENT_IDENTITY	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1402		3.10.0	R99	IE "Cell Synchronisation Information"	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1403		4.4.0	Rel-4	IE "Cell Synchronisation Information"	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1404		5.0.0	Rel-5	IE "Cell Synchronisation Information"	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1405		3.10.0	R99	Corrections to Cell Individual Offset	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1406		4.4.0	Rel-4	Corrections to Cell Individual Offset	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020331	25.331	1407		5.0.0	Rel-5	Corrections to Cell Individual Offset	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1408		3.10.0	R99	Clarification to Compressed Mode Status Info	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1409		4.4.0	Rel-4	Clarification to Compressed Mode Status Info	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1410		5.0.0	Rel-5	Clarification to Compressed Mode Status Info	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1411		3.10.0	R99	Clarification of OTDOA quality figure	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1412		4.4.0	Rel-4	Clarification of OTDOA quality figure	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1413		5.0.0	Rel-5	Clarification of OTDOA quality figure	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1414		3.10.0	R99	Correction to Cell Access Restriction for SIB4	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020332	25.331	1415		4.4.0	Rel-4	Correction to Cell Access Restriction for SIB4	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1416		5.0.0	Rel-5	Correction to Cell Access Restriction for SIB4	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1417		3.10.0	R99	Corrections concerning spare values and comments	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1418		4.4.0	Rel-4	Corrections concerning spare values and comments	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1419		5.0.0	Rel-5	Corrections concerning spare values and comments	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1420		3.10.0	R99	Removal of the obsolete IE "Transparent mode signalling info"	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1421		3.10.0	R99	Variable for shared channel configurations	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1422		4.4.0	Rel-4	Variable for shared channel configurations	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1423		5.0.0	Rel-5	Variable for shared channel configurations	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1424	1	3.10.0	R99	Integrity protection on RB0	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1425	1	4.4.0	Rel-4	Integrity protection on RB0	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020332	25.331	1426	1	5.0.0	Rel-5	Integrity protection on RB0	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1427	1	3.10.0	R99	Periodic cell update clarifications	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1428	1	4.4.0	Rel-4	Periodic cell update clarifications	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1429	1	5.0.0	Rel-5	Periodic cell update clarifications	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1430		3.10.0	R99	Multiple cells triggering event 1D	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1431		4.4.0	Rel-4	Multiple cells triggering event 1D	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1432		5.0.0	Rel-5	Multiple cells triggering event 1D	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1433		3.10.0	R99	Disjoint Active Sets in the Active Set Update procedure	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1434		4.4.0	Rel-4	Disjoint Active Sets in the Active Set Update procedure	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1435		5.0.0	Rel-5	Disjoint Active Sets in the Active Set Update procedure	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1436		3.10.0	R99	Deletion on compressed mode patterns when moving to CELL_FACH state	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1437		4.4.0	Rel-4	Deletion on compressed mode patterns when moving to CELL_FACH state	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1438		5.0.0	Rel-5	Deletion on compressed mode patterns when moving to CELL_FACH state	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020333	25.331	1439		3.10.0	R99	TDD C-RNTI in Cell DCH	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1440		4.4.0	Rel-4	TDD C-RNTI in Cell DCH	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1441		5.0.0	Rel-5	TDD C-RNTI in Cell DCH	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1442		3.10.0	R99	CCTrCH Release in TDD	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1443	1	4.4.0	Rel-4	CCTrCH Release in TDD	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020333	25.331	1444	1	5.0.0	Rel-5	CCTrCH Release in TDD	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1445		3.10.0	R99	Layer 3 retransmission of SIGNALLING CONNECTION RELEASE INDICATION	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1446		4.4.0	Rel-4	Layer 3 retransmission of SIGNALLING CONNECTION RELEASE INDICATION	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1447		5.0.0	Rel-5	Layer 3 retransmission of SIGNALLING CONNECTION RELEASE INDICATION	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1448		3.10.0	R99	Alignment of tabular and ASN.1 for UTRAN GPS timing of cell frames resolution	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1449		4.4.0	Rel-4	Alignment of tabular and ASN.1 for UTRAN GPS timing of cell frames resolution	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1450		5.0.0	Rel-5	Alignment of tabular and ASN.1 for UTRAN GPS timing of cell frames resolution	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1451		3.10.0	R99	Correction to Default Radio Configuration Timers	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1452		4.4.0	Rel-4	Correction to Default Radio Configuration Timers	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1453		5.0.0	Rel-5	Correction to Default Radio Configuration Timers	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1454		3.10.0	R99	Clarification to number of L3 filters	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1455		4.4.0	Rel-4	Clarification to number of L3 filters	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1456		5.0.0	Rel-5	Clarification to number of L3 filters	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1457	1	3.10.0	R99	Correction to 3G to 2G Inter-RAT handover for multi-domain RABs	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1458	1	4.4.0	Rel-4	Correction to 3G to 2G Inter-RAT handover for multi-domain RABs	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1459	1	5.0.0	Rel-5	Correction to 3G to 2G Inter-RAT handover for multi-domain RABs	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1460		3.10.0	R99	DCH quality target	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1461		4.4.0	Rel-4	DCH quality target	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020334	25.331	1462		5.0.0	Rel-5	DCH quality target	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020335	25.331	1463		3.10.0	R99	Correction to RB Mapping Info	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1464		4.4.0	Rel-4	Correction to RB Mapping Info	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1465		5.0.0	Rel-5	Correction to RB Mapping Info	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1466		3.10.0	R99	Ciphering activation for TM bearers	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1467	1	4.4.0	Rel-4	Ciphering activation for TM bearers	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1468	1	5.0.0	Rel-5	Ciphering activation for TM bearers	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1469		3.10.0	R99	TFCS selection guideline correction	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1470		4.4.0	Rel-4	TFCS selection guideline correction	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1471		5.0.0	Rel-5	TFCS selection guideline correction	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1472		4.4.0	Rel-4	RRC connection release procedure in CELL_DCH state	approved	F	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1473		5.0.0	Rel-5	RRC connection release procedure in CELL_DCH state	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1474		4.4.0	Rel-4	Correction to DL TM DCCH TF size for Default Configurations	approved	F	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1475		5.0.0	Rel-5	Correction to DL TM DCCH TF size for Default Configurations	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1476		4.4.0	Rel-4	Corrections in ASN.1 related to SRNS relocation	approved	F	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020339	25.331	1477		5.0.0	Rel-5	Corrections in ASN.1 related to SRNS relocation	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020337	25.331	1478		3.10.0	R99	Clarification of Measurement Validity and Valid Measurement Objects	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020382	25.331	1478	1	3.10.0	R99	Clarification of Measurement Validity and Valid Measurement Objects	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020337	25.331	1479		4.4.0	Rel-4	Clarification of Measurement Validity and Valid Measurement Objects	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020382	25.331	1479	1	4.4.0	Rel-4	Clarification of Measurement Validity and Valid Measurement Objects	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020337	25.331	1480		5.0.0	Rel-5	Clarification of Measurement Validity and Valid Measurement Objects	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020382	25.331	1480	1	5.0.0	Rel-5	Clarification of Measurement Validity and Valid Measurement Objects	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020363	25.331	1481	-	3.10.0	R99	Remaining clarification of Measurement Validity and Valid Measurement Objects	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020363	25.331	1482	-	4.4.0	Rel-4	Remaining clarification of Measurement Validity and Valid Measurement Objects	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020363	25.331	1483	-	5.0.0	Rel-5	Remaining clarification of Measurement Validity and Valid Measurement Objects	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020335	25.331	1484		3.10.0	R99	Traffic Volume Measurement clarifications	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020381	25.331	1484	1	3.10.0	R99	Traffic Volume Measurement correction	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1485		4.4.0	Rel-4	Traffic Volume Measurement clarifications	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020381	25.331	1485	1	4.4.0	Rel-4	Traffic Volume Measurement correction	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1486		5.0.0	Rel-5	Traffic Volume Measurement clarifications	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020381	25.331	1486	1	5.0.0	Rel-5	Traffic Volume Measurement correction	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1487		3.10.0	R99	Correction to handling of IE 'Downlink information for each RL'	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1488		4.4.0	Rel-4	Correction to handling of IE 'Downlink information for each RL'	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020335	25.331	1489		5.0.0	Rel-5	Correction to handling of IE 'Downlink information for each RL'	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1490		3.10.0	R99	Corrections to Security procedure on Missing integrity protection reset on relocation and counter check response actions for asymmetric bearer configurations	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1491		4.4.0	Rel-4	Corrections to Security procedure on Missing integrity protection reset on relocation and counter check response actions for asymmetric bearer configurations	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1492		5.0.0	Rel-5	Corrections to Security procedure on Missing integrity protection reset on relocation and counter check response actions for asymmetric bearer configurations	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1493		3.10.0	R99	Corrections to cell update interactions with security and SRNS Relocation	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1494		4.4.0	Rel-4	Corrections to cell update interactions with security and SRNS Relocation	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1495		5.0.0	Rel-5	Corrections to cell update interactions with security and SRNS Relocation	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1496		3.10.0	R99	"Out of service" area definition	approved	F	3.11.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1497		4.4.0	Rel-4	"Out of service" area definition	approved	A	4.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-020336	25.331	1498		5.0.0	Rel-5	"Out of service" area definition	approved	A	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020341	25.331	1499		5.0.0	Rel-5	HS-DSCH related corrections	approved	F	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020341	25.331	1500		5.0.0	Rel-5	Removal of BLER threshold from IE "Measurement Feedback info"	approved	F	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020345	25.331	1501		5.0.0	Rel-5	RFC 3095 context relocation	approved	B	5.1.0	Radio Resource Control (RRC) protocol specification	R2
RP-020340	25.844	004		4.1.0	Rel-4	Corrections on ROHC state transitions	approved	F	4.2.0	Radio acces bearer support enhancements	R2
RP-020338	34.109	013		3.5.0	R99	Correction to UE test loop mode 2	approved	F	3.6.0	Logical Test Interface (TDD and FDD)	R2

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RP-020338	34.109	014		4.2.0	Rel-4	Correction to UE test loop mode 2	approved	A	4.3.0	Logical Test Interface (TDD and FDD)	R2
RP-020338	34.109	015		5.0.0	Rel-5	Correction to UE test loop mode 2	approved	A	5.1.0	Logical Test Interface (TDD and FDD)	R2
RP-020338	34.109	016		3.5.0	R99	Clarification of test loop performance requirements	approved	F	3.6.0	Logical Test Interface (TDD and FDD)	R2
RP-020338	34.109	017		4.2.0	Rel-4	Clarification of test loop performance requirements	approved	A	4.3.0	Logical Test Interface (TDD and FDD)	R2
RP-020338	34.109	018		5.0.0	Rel-5	Clarification of test loop performance requirements	approved	A	5.1.0	Logical Test Interface (TDD and FDD)	R2
RP-020422	25.401	047		5.2.0	Rel-5	HSDPA-related changes	approved	F	5.3.0	UTRAN Overall Description	R3
RP-020421	25.401	048		5.2.0	Rel-5	Corrections on ATM-IP interoperability scenarios	approved	F	5.3.0	UTRAN Overall Description	R3
RP-020399	25.401	049		3.9.0	R99	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	F	3.10.0	UTRAN Overall Description	R3
RP-020399	25.401	050		4.3.0	Rel-4	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	A	4.4.0	UTRAN Overall Description	R3
RP-020399	25.401	051		5.2.0	Rel-5	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	A	5.3.0	UTRAN Overall Description	R3
RP-020421	25.401	052		5.2.0	Rel-5	Introduction of IP transport in UTRAN	approved	F	5.3.0	UTRAN Overall Description	R3
RP-020421	25.401	053	2	5.2.0	Rel-5	Independence of RNL and TNL	approved	F	5.3.0	UTRAN Overall Description	R3
RP-020400	25.402	035		3.9.0	R99	Reference corrections	approved	F	3.10.0	Synchronisation in UTRAN Stage 2	R3
RP-020400	25.402	036		4.4.0	Rel-4	Reference corrections	approved	A	4.5.0	Synchronisation in UTRAN Stage 2	R3
RP-020400	25.402	037		5.0.0	Rel-5	Reference corrections	approved	A	5.1.0	Synchronisation in UTRAN Stage 2	R3
RP-020405	25.410	037		3.6.0	R99	Correction of TNL Release	approved	F	3.7.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020405	25.410	038		4.3.0	Rel-4	Correction of TNL Release	approved	A	4.4.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020405	25.410	039		5.0.0	Rel-5	Correction of TNL Release	approved	A	5.1.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020423	25.413	404	6	5.0.0	Rel-5	Release 5 additions of ROHC context relocation support during SRNS relocation	approved	B	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020427	25.413	405	4	5.0.0	Rel-5	Signalling enhancements for GERAN Iu Mode LCS	approved	B	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	412	3	3.9.0	R99	Criticality Information Decoding Failure Handling	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	413	3	4.4.0	Rel-4	Criticality Information Decoding Failure Handling	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	415	4	3.9.0	R99	SDU Format Information Presence	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	416	4	4.4.0	Rel-4	SDU Format Information Presence	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	437		5.0.0	Rel-5	Criticality Information Decoding Failure Handling	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	438	2	3.9.0	R99	Erroneous Security Mode Control procedure	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	439	2	4.4.0	Rel-4	Erroneous Security Mode Control procedure	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	440	2	5.0.0	Rel-5	Erroneous Security Mode Control procedure	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	441		3.9.0	R99	Correction of Target RNC-ID	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	442		4.4.0	Rel-4	Correction of Target RNC-ID	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	443		5.0.0	Rel-5	Correction of Target RNC-ID	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	444	1	5.0.0	Rel-5	SDU Format Information Presence	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	447		4.4.0	Rel-4	Extension container for Last Known Service Area IE	approved	F	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	448		5.0.0	Rel-5	Extension container for Last Known Service Area IE	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	449		3.9.0	R99	“EXTENSION INDICATION” PROPOSAL	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	450		4.4.0	Rel-4	“EXTENSION INDICATION” PROPOSAL	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	451		5.0.0	Rel-5	“EXTENSION INDICATION” PROPOSAL	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	452		4.4.0	Rel-4	Correction of wrong implementation of CR429	approved	F	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	453		5.0.0	Rel-5	Correction of wrong implementation for CR429	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3

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RP-020401	25.413	460	1	3.9.0	R99	RNL-TNL coordination in RANAP	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	461	1	4.4.0	Rel-4	RNL-TNL coordination in RANAP	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	462	1	5.0.0	Rel-5	RNL-TNL coordination in RANAP	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	463	2	3.9.0	R99	Correction of RNC Iu Coordinated relocation	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	464	2	4.4.0	Rel-4	Correction of RNC Iu Coordinated relocation	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	465	2	5.0.0	Rel-5	Correction of RNC Iu Coordinated relocation	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020421	25.413	466	1	5.0.0	Rel-5	IPv4-IPv6 interworking for data forwarding	approved	F	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	467	1	3.9.0	R99	Clarification for the usage of the cause value	approved	F	3.10.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	468	1	4.4.0	Rel-4	Clarification for the usage of the cause value	approved	A	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020401	25.413	469	1	5.0.0	Rel-5	Clarification for the usage of the cause value	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	476		4.4.0	Rel-4	Transport Layer Address at RAB modification	approved	F	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020430	25.413	477	3	5.0.0	Rel-5	GERAN specific impacts on the Iu-cs interface	revised	B		UTRAN Iu interface RANAP signalling	R3
RP-020454	25.413	477	4	5.0.0	Rel-5	GERAN specific impacts on the Iu-cs interface	approved	B	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	478	1	4.4.0	Rel-4	Correction due to the wrong implementation of CR326&244 and error in the CR424	approved	F	4.5.0	UTRAN Iu interface RANAP signalling	R3
RP-020417	25.413	479	1	5.0.0	Rel-5	Correction due to the wrong implementation of CR326&244 and error in the CR424	approved	A	5.1.0	UTRAN Iu interface RANAP signalling	R3
RP-020402	25.414	033		3.10.0	R99	Correction of Aesa formats	approved	F	3.11.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020402	25.414	034		4.3.0	Rel-4	Correction of Aesa formats	approved	A	4.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020402	25.414	035		5.0.0	Rel-5	Correction of Aesa formats	approved	A	5.1.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020402	25.414	036		3.10.0	R99	Introduction of TCP Port Number for SABP	approved	F	3.11.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020402	25.414	037		4.3.0	Rel-4	Introduction of TCP Port Number for SABP	approved	A	4.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020402	25.414	038		5.0.0	Rel-5	Introduction of TCP Port Number for SABP	approved	A	5.1.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020403	25.415	109	2	3.10.0	R99	Correction of first rates to be used	approved	F	3.11.0	UTRAN Iu interface user plane protocols	R3
RP-020403	25.415	110	2	4.4.0	Rel-4	Correction of first rates to be used	approved	A	4.5.0	UTRAN Iu interface user plane protocols	R3
RP-020403	25.415	111	2	5.0.0	Rel-5	Correction of first rates to be used	approved	A	5.1.0	UTRAN Iu interface user plane protocols	R3
RP-020404	25.419	095	2	3.8.0	R99	Criticality Information Decoding Failure Handling	approved	F	3.9.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	096	2	4.4.0	Rel-4	Criticality Information Decoding Failure Handling	approved	A	4.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	097		5.0.0	Rel-5	Criticality Information Decoding Failure Handling	approved	A	5.1.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	098	1	3.8.0	R99	Clarification for the usage of the cause value	approved	F	3.9.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	099	1	4.4.0	Rel-4	Clarification for the usage of the cause value	approved	A	4.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	100	1	5.0.0	Rel-5	Clarification for the usage of the cause value	approved	A	5.1.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	101		3.8.0	R99	Write-Replace Procedure Clarification	approved	F	3.9.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3

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RP-020404	25.419	102		4.4.0	Rel-4	Write-Replace Procedure Clarification	approved	A	4.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020404	25.419	103		5.0.0	Rel-5	Write-Replace Procedure Clarification	approved	A	5.1.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-020426	25.423	554	4	5.0.0	Rel-5	Introduction of Qth signalling in UTRAN	approved	C	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	590	2	3.9.0	R99	Criticality Information Decoding Failure Handling	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	591	2	4.4.0	Rel-4	Criticality Information Decoding Failure Handling	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	599		5.0.0	Rel-5	Criticality Information Decoding Failure Handling	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	600	1	3.9.0	R99	Alignment of tabular and ASN.1 coding for DL power	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	601	1	4.4.0	Rel-4	Alignment of tabular and ASN.1 coding for DL power	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	602	1	5.0.0	Rel-5	Alignment of tabular and ASN.1 coding for DL power	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	603	1	3.9.0	R99	Correction to RL Restore Indication	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	604	1	4.4.0	Rel-4	Correction to RL Restore Indication	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	605	1	5.0.0	Rel-5	Correction to RL Restore Indication	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	609		3.9.0	R99	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	610		4.4.0	Rel-4	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	611		5.0.0	Rel-5	New UE identifier for Shared Channel handling for TDD DSCH/USCH	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	612		3.9.0	R99	Clarification of Cell individual offset	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	613	1	4.4.0	Rel-4	Clarification of Cell individual offset	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	614	1	5.0.0	Rel-5	Clarification of Cell individual offset	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	617		4.4.0	Rel-4	Clarification on the Neighboring TDD Cell Measurement information	approved	F	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	618		5.0.0	Rel-5	Clarification on the Neighboring TDD Cell Measurement information	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020422	25.423	619		5.0.0	Rel-5	HS_DSCH Support Indicator in FDD Cell Capability Container	approved	F	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020432	25.423	620		5.0.0	Rel-5	Removal of syntax errors from ASN.1	approved	F	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020424	25.423	621		5.0.0	Rel-5	Interaction between HSDPA and IP transport in UTRAN	withdrawn	F		UTRAN Iur interface RNSAP signalling	R3
RP-020428	25.423	623		5.0.0	Rel-5	RNSAP changes for TFCI power control in DSCH hard split mode	approved	F	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	624		3.9.0	R99	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	625	1	4.4.0	Rel-4	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	626	1	5.0.0	Rel-5	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	630		3.9.0	R99	TFCI 0 definition for TDD	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	631		4.4.0	Rel-4	TFCI 0 definition for TDD	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	632		5.0.0	Rel-5	TFCI 0 definition for TDD	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	633	1	3.9.0	R99	CELL_DCH to CELL_FACH TDD correction	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	634	1	4.4.0	Rel-4	CELL_DCH to CELL_FACH TDD correction	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	635	1	5.0.0	Rel-5	CELL_DCH to CELL_FACH TDD correction	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020406	25.423	639	2	3.9.0	R99	DSCH Information Correction	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	640	1	4.4.0	Rel-4	DSCH Information Correction	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3

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RP-020407	25.423	641	1	5.0.0	Rel-5	DSCH Information Correction	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	647		4.4.0	Rel-4	Definition of quality figures for SFN-SFN and Tutran-gps measurement value information	approved	F	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	648		5.0.0	Rel-5	Definition of quality figures for SFN-SFN and Tutran-gps measurement value information	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	650	1	4.4.0	Rel-4	Clarification to the RNSAP RL Congestion procedure	approved	F	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	654	1	3.9.0	R99	Clarification for the usage of the cause value	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	655	1	4.4.0	Rel-4	Clarification for the usage of the cause value	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	656	1	5.0.0	Rel-5	Clarification for the usage of the cause value	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020422	25.423	662	2	5.0.0	Rel-5	HS-DSCH Initial credits	approved	F	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020419	25.423	663	1	5.0.0	Rel-5	Clarification to the RNSAP RL Congestion procedure	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020432	25.423	664	1	5.0.0	Rel-5	DSCH Support Indicator in Cell Capability Container	approved	F	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020432	25.423	669	1	5.0.0	Rel-5	Support of Iur-g procedures	revised	B		UTRAN Iur interface RNSAP signalling	R3
RP-020447	25.423	669	2	5.0.0	Rel-5	Support of Iur-g procedures	approved	B	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	671		3.9.0	R99	RNSAP Tabular alignment to ASN1 and other corrections	approved	F	3.10.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	672		4.4.0	Rel-4	RNSAP Tabular alignment to ASN1 and other corrections	approved	A	4.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-020407	25.423	673		5.0.0	Rel-5	RNSAP Tabular alignment to ASN1 and other corrections	approved	A	5.1.0	UTRAN Iur interface RNSAP signalling	R3
RP-020408	25.424	021		3.8.0	R99	Correction of Aesa formats	approved	F	3.9.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020408	25.424	022		4.2.0	Rel-4	Correction of Aesa formats	approved	A	4.3.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020408	25.424	023		5.0.0	Rel-5	Correction of Aesa formats	approved	A	5.1.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-020422	25.425	050	1	5.0.0	Rel-5	HS-DSCH Initial credits	approved	F	5.1.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020422	25.425	051	1	5.0.0	Rel-5	Maximum number of credits	approved	F	5.1.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020410	25.426	023		3.8.0	R99	Correction of Aesa formats	approved	F	3.9.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020410	25.426	024		4.2.0	Rel-4	Correction of Aesa formats	approved	A	4.3.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020410	25.426	025		5.0.0	Rel-5	Correction of Aesa formats	approved	A	5.1.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-020411	25.430	031	1	3.7.0	R99	Definition of TFCI2 transport bearer in 25.430	approved	F	3.8.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020411	25.430	032	1	4.2.0	Rel-4	Definition of TFCI2 transport bearer in 25.430	approved	A	4.3.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020411	25.430	033	1	5.0.1	Rel-5	Definition of TFCI2 transport bearer in 25.430	approved	A	5.1.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-020426	25.433	595	3	5.0.0	Rel-5	Introduction of Qth signalling in UTRAN	approved	C	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	630	2	3.9.0	R99	Criticality Information Decoding Failure Handling	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	631	2	4.4.0	Rel-4	Criticality Information Decoding Failure Handling	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	633		5.0.0	Rel-5	Criticality Information Decoding Failure Handling	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	634	1	3.9.0	R99	Alignment of tabular and ASN.1 coding for DL power	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3

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RP-020412	25.433	635	1	4.4.0	Rel-4	Alignment of tabular and ASN.1 coding for DL power	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	636	1	5.0.0	Rel-5	Alignment of tabular and ASN.1 coding for DL power	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	637	1	3.9.0	R99	Correction to RL Restore Indication	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	638	1	4.4.0	Rel-4	Correction to RL Restore Indication	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	639	1	5.0.0	Rel-5	Correction to RL Restore Indication	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	646		3.9.0	R99	Use of PDSCH RL ID for TDD DSCH/USCH	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	647		4.4.0	Rel-4	Use of PDSCH RL ID for TDD DSCH/USCH	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	648		5.0.0	Rel-5	Use of PDSCH RL ID for TDD DSCH/USCH	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	651		4.4.0	Rel-4	Clarification on the Neighboring TDD Cell Measurement information	approved	F	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	652		5.0.0	Rel-5	Clarification on the Neighboring TDD Cell Measurement information	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	653		4.4.0	Rel-4	Introduction of SIB	approved	F	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	654		5.0.0	Rel-5	Introduction of SIB	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020432	25.433	655		5.0.0	Rel-5	Removal of syntax errors from ASN.1	approved	F	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020424	25.433	656		5.0.0	Rel-5	Interaction between HSDPA and IP transport in UTRAN	withdrawn	F		UTRAN Iub interface NBAP signalling	R3
RP-020422	25.433	658	1	5.0.0	Rel-5	Interaction between HSDPA and Bearer Re-arrangement	approved	F	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020424	25.433	659		5.0.0	Rel-5	Correction to Implementation of Rel-5	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-020432	25.433	659		5.0.0	Rel-5	Correction to Implementation of Rel-5	approved	F	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	660		3.9.0	R99	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	661		4.4.0	Rel-4	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	662		5.0.0	Rel-5	Correction to the use of the CFN IE / SFN IE in the Measurement Initiation procedures	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	663		3.9.0	R99	TFCI 0 definition for TDD	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	664		4.4.0	Rel-4	TFCI 0 definition for TDD	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	665		5.0.0	Rel-5	TFCI 0 definition for TDD	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	668	2	3.9.0	R99	NBAP Review – Alignment on the ASN.1	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	669	2	4.4.0	Rel-4	NBAP Review Alignment on the ASN.1	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	670	2	5.0.0	Rel-5	NBAP Review – Alignment on the ASN.1	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	671	1	4.4.0	Rel-4	NBAP Review Alignment of the ASN.1	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	672	1	5.0.0	Rel-5	NBAP Review Alignment of the ASN.1	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	674	1	4.4.0	Rel-4	Definition of quality figures for SFN-SFN and Tutran-gps measurement value information	approved	F	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020420	25.433	675		5.0.0	Rel-5	Definition of quality figures for SFN-SFN and Tutran-gps measurement value information	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	684	1	3.9.0	R99	Clarification for the usage of the cause value	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	685	1	4.4.0	Rel-4	Clarification for the usage of the cause value	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	686	1	5.0.0	Rel-5	Clarification for the usage of the cause value	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020422	25.433	693	2	5.0.0	Rel-5	HS-DSCH Initial credits	approved	F	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	696	1	3.9.0	R99	TFCI2 bearer clarification	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	697	1	4.4.0	Rel-4	TFCI2 bearer clarification	approved	A	4.5.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	698	1	5.0.0	Rel-5	TFCI2 bearer clarification	approved	A	5.1.0	UTRAN Iub interface NBAP signalling	R3
RP-020412	25.433	702		3.9.0	R99	NBAP Review – Alignment of the ASN.1	approved	F	3.10.0	UTRAN Iub interface NBAP signalling	R3
RP-020413	25.434	022		3.7.0	R99	Correction of Aesa formats	approved	F	3.8.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3

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RP-020413	25.434	023		4.3.0	Rel-4	Correction of Aesa formats	approved	A	4.4.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020413	25.434	024		5.0.0	Rel-5	Correction of Aesa formats	approved	A	5.1.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-020422	25.435	080		5.0.0	Rel-5	HSDPA Correction	approved	F	5.1.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020422	25.435	082	1	5.0.0	Rel-5	HS-DSCH Initial credits	approved	F	5.1.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020422	25.435	083	1	5.0.0	Rel-5	Maximum number of credits	approved	F	5.1.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020432	25.453	017	2	5.3.0	Rel-5	Criticality Information Decoding Failure Handling	approved	F	5.4.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-020432	25.453	018	1	5.3.0	Rel-5	Clarificatoin for the usage of the cause value	approved	F	5.4.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-020422	25.877	001		5.0.0	Rel-5	Alignment of email approved CRs after RAN3#27 with TR 25.877	approved	F	5.1.0	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	R3
RP-020425	25.878	001	1	5.0.0	Rel-5	Correction of reference to a RAN4 specification	approved	F	5.1.0	RL Timing Adjustment	R3
RP-020422	25.931	018	1	5.0.0	Rel-5	HSDPA Additions for Example Procedures	approved	F	5.1.0	UTRAN Functions, examples on signalling procedures	R3
RP-020415	25.931	019	1	3.6.0	R99	Addition of pre-emption signalling sequences	approved	F	3.7.0	UTRAN Functions, examples on signalling procedures	R3
RP-020415	25.931	020		4.3.0	Rel-4	Addition of pre-emption signalling sequences	approved	A	4.4.0	UTRAN Functions, examples on signalling procedures	R3
RP-020415	25.931	021		5.0.0	Rel-5	Addition of pre-emption signalling sequences	approved	A	5.1.0	UTRAN Functions, examples on signalling procedures	R3
RP-020421	25.933	001	2	5.0.0	Rel-5	IP-ALCAP: The ITU-T Solution	approved	F	5.1.0	IP Transport in UTRAN	R3
RP-020416	29.108	006		4.1.0	Rel-4	Location Related Data procedure missing	approved	F	4.2.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-020416	29.108	007		5.0.0	Rel-5	Location Related Data procedure missing	approved	A	5.1.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-020303	25.101	164		5.2.0	Rel-5	Correction of ITU-R SM.329 references	approved	F	5.3.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	165		3.10.0	R99	Addition of a set of Compressed mode reference pattern 2 parameters for FDD-TDD test cases in 25.133	approved	F	3.11.0	UE Radio transmission and reception (FDD)	R4
RP-020300	25.101	166	1	5.2.0	Rel-6	FDD UE Performance Requirements	approved	C	6.0.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	167	1	3.10.0	R99	Control and monitoring function of UE requirement	approved	F	3.11.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	168	1	4.4.0	Rel-4	Control and monitoring function of UE requirement	approved	A	4.5.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	169	1	5.2.0	Rel-5	Control and monitoring function of UE requirement	approved	A	5.3.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	170		4.4.0	Rel-4	Addition of a set of Compressed mode reference pattern 2 parameters for FDD-TDD test cases in 25.133	approved	A	4.5.0	UE Radio transmission and reception (FDD)	R4

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RP-020279	25.101	171		5.2.0	Rel-5	Addition of a set of Compressed mode reference pattern 2 parameters for FDD-TDD test cases in 25.133	approved	A	5.3.0	UE Radio transmission and reception (FDD)	R4
RP-020302	25.101	177		5.2.0	Rel-5	UE HSDPA performance requirements (fixed reference channel)	approved	B	5.3.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	178		3.10.0	R99	Compressed mode performance requirements	approved	F	3.11.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	179		4.4.0	Rel-4	Compressed mode performance requirements	approved	A	4.5.0	UE Radio transmission and reception (FDD)	R4
RP-020279	25.101	180		5.2.0	Rel-5	Compressed mode performance requirements	approved	A	5.3.0	UE Radio transmission and reception (FDD)	R4
RP-020280	25.102	095		3.10.0	R99	Correction of power terms and definitions	approved	F	3.11.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	096		4.4.0	Rel-4	Correction of power terms and definitions	approved	A	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	097		5.0.1	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020289	25.102	098		4.4.0	Rel-4	Correction of power terms and definitions	approved	F	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020289	25.102	099		5.0.1	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	100	1	3.10.0	R99	Correction of DL power control test for testability	approved	F	3.11.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	102		3.10.0	R99	Addition of Test Case 4 to support 1G intra-frequency fading test case	approved	F	3.11.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	103	1	3.10.0	R99	Control and monitoring function of UE requirement	approved	F	3.11.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	104	1	4.4.0	Rel-4	Control and monitoring function of UE requirement	approved	A	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	105	1	5.0.1	Rel-5	Control and monitoring function of UE requirement	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020303	25.102	108	1	5.0.1	Rel-5	Removal of "AFC on" condition for frequency stability requirement	approved	F	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020289	25.102	109	1	4.4.0	Rel-4	Correction to power control downlink 1.28 Mcps TDD option	approved	F	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020289	25.102	110	1	5.0.1	Rel-5	Correction to power control downlink 1.28 Mcps TDD option	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020302	25.102	111	1	5.0.1	Rel-5	Inclusion of HSDPA into TS25.102	approved	B	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	112	1	4.4.0	Rel-4	Correction of DL power control test for testability	approved	A	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	113	1	5.0.1	Rel-5	Correction of DL power control test for testability	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	116		4.4.0	Rel-4	Addition of Test Case 4 to support 1G intra-frequency fading test case	approved	A	4.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020280	25.102	117		5.0.1	Rel-5	Addition of Test Case 4 to support 1G intra-frequency fading test case	approved	A	5.1.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020302	25.104	122	1	5.2.0	Rel-5	Node B modulation accuracy requirements for HS-PDSCH	approved	F	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4

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RP-020301	25.104	124	1	5.2.0	Rel-5	BS performance requirements in SSDT (Site Selection Diversity Transmission)	approved	F	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020290	25.104	125		4.4.0	Rel-4	Reference measurement channels for UL RACH Ratio of preamble power and total message power	approved	F	4.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020290	25.104	126		5.2.0	Rel-5	Reference measurement channels for UL RACH Ratio of preamble power and total message power	approved	A	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020290	25.104	127		4.4.0	Rel-4	Correction of RACH preamble detection requirement	approved	F	4.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020290	25.104	128		5.2.0	Rel-5	Correction of RACH preamble detection requirement	approved	A	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020303	25.104	129		5.2.0	Rel-5	Correction of ITU-R SM.329 references	approved	F	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020303	25.104	132	1	5.2.0	Rel-5	Corrections to Spectrum Emission Mask	approved	F	5.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020291	25.105	109		4.4.0	Rel-4	The amendment for BS Category B spurious emission band adjacent to allocated bands for LCR-TDD	approved	F	4.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020291	25.105	110		5.0.0	Rel-5	The amendment for BS Category B spurious emission band adjacent to allocated bands for LCR-TDD	approved	A	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020281	25.105	111		3.10.0	R99	Correction of power terms and definitions	approved	F	3.11.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020281	25.105	112		4.4.0	Rel-4	Correction of power terms and definitions	approved	A	4.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020281	25.105	113		5.0.0	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020291	25.105	114		4.4.0	Rel-4	Correction of power terms and definitions	approved	F	4.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020291	25.105	115		5.0.0	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020299	25.105	116		5.0.0	Rel-5	Introduction of BS classification for 1.28 Mcps TDD option (excluding ACLR and spurious emission requirements)	approved	B	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020281	25.105	117		3.10.0	R99	ACLR and spurious emission requirements for coexistence	approved	F	3.11.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020281	25.105	118		4.4.0	Rel-4	ACLR and spurious emission requirements for coexistence for 3.84 Mcps and 1.28 Mcps TDD	approved	F	4.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020298	25.105	119		5.0.0	Rel-5	ACLR and spurious emission requirements for coexistence for 3.84 Mcps TDD and 1.28 Mcps TDD and Wide Area and Local Area base stations	approved	B	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020298	25.105	120		5.0.0	Rel-5	Addition of requirement for Local Area BS for 3.84 Mcps TDD without requirements for unwanted emissions	approved	B	5.1.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020292	25.106	005		4.1.0	Rel-4	Introduction of output intermodulation requirement	approved	F	4.2.0	UTRA Repeater; Radio transmission and reception	R4
RP-020292	25.106	006		5.0.0	Rel-5	Introduction of output intermodulation requirement	approved	A	5.1.0	UTRA Repeater; Radio transmission and reception	R4
RP-020303	25.106	007		5.0.0	Rel-5	Correction of ITU-R SM.329 references	approved	F	5.1.0	UTRA Repeater; Radio transmission and reception	R4
RP-020303	25.113	014	1	5.0.1	Rel-5	New exclusion bands	rejected	B		Base station and repeater ElectroMagnetic Compatibility (EMC)	R4

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RP-020303	25.113	015	1	5.0.1	Rel-5	Restructuring of 25.113 and correction of references	approved	F	5.1.0	Base station and repeater ElectroMagnetic Compatibility (EMC)	R4
RP-020282	25.123	182	1	3.9.0	R99	Correction to Test Case for Event-triggered reporting in AWGN	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	183	1	4.4.0	Rel-4	Correction to Test Case for Event-triggered reporting in AWGN	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	184		5.0.0	Rel-5	Correction to Test Case for Event-triggered reporting in AWGN	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	191	1	3.9.0	R99	Introduction of measurement-specific test cases	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	192	1	4.4.0	Rel-4	Introduction of measurement-specific test cases	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	193	1	5.0.0	Rel-5	Introduction of measurement-specific test cases	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	195		4.4.0	Rel-4	Introduction of TDD/TDD cell reselection in CELL_PCH	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	196		5.0.0	Rel-5	Introduction of TDD/TDD cell reselection in CELL_PCH	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	197		4.4.0	Rel-4	Introduction of TDD/TDD cell reselection in URA_PCH	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	198		5.0.0	Rel-5	Introduction of TDD/TDD cell reselection in URA_PCH	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	199		4.4.0	Rel-4	Correction of section 4	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	200		5.0.0	Rel-5	Correction of section 4	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	201		4.4.0	Rel-4	Correction of section 5	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	202		5.0.0	Rel-5	Correction of section 5	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	203		4.4.0	Rel-4	Correction of section A.5 for 1.28 Mcps TDD option	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	204		5.0.0	Rel-5	Correction of section A.5 for 1.28 Mcps TDD option	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	205		4.4.0	Rel-4	Correction of timing advance characteristics for 1.28 Mcps TDD option	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	206		5.0.0	Rel-5	Correction of timing advance characteristics for 1.28 Mcps TDD option	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	207		4.4.0	Rel-4	Change of RF Channel Number for intra frequency in test parameter and remove square brackets	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	208		5.0.0	Rel-5	Change of RF Channel Number for intra frequency in test parameter and remove square brackets	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020299	25.123	209		5.0.0	Rel-5	Introduction of BS classification for 1.28 Mcps TDD option	approved	B	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	210		4.4.0	Rel-4	Correction to TDD/FDD handover test case for 1.28 Mcps TDD	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	211		5.0.0	Rel-5	Correction to TDD/FDD handover test case for 1.28 Mcps TDD	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4

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RP-020293	25.123	212		4.4.0	Rel-4	Correction of cell reselection in idle mode test case	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	213		5.0.0	Rel-5	Correction of cell reselection in idle mode test case	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	214		4.4.0	Rel-4	Correction to power definitions and measurement applicability for TDD	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	215		5.0.0	Rel-5	Correction to power definitions and measurement applicability for TDD	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	216	1	4.4.0	Rel-4	Correction to ISCP measurement and related test cases for 1.28 Mcps TDD	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	217	1	5.0.0	Rel-5	Correction to ISCP measurement and related test cases for 1.28 Mcps TDD	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	218	1	4.4.0	Rel-4	Correction to TDD section 9 testing in Annex A9 for 1.28 Mcps TDD	approved	F	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020293	25.123	219	1	5.0.0	Rel-5	Correction to TDD section 9 testing in Annex A9 for 1.28 Mcps TDD	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020298	25.123	220		5.0.0	Rel-5	Addition of requirement for Local Area BS for 3.84 Mcps TDD	approved	B	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	221		3.9.0	R99	TFC selection in UE requirements and test case	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	222		3.9.0	R99	Introduction of intra-frequency fading test case	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	223	1	3.9.0	R99	HO interruption times TDD to TDD/FDD/GSM	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	224	1	3.9.0	R99	Measurement reporting and capabilities for the support of event-triggered and periodic reporting criteria in CELL_DCH and CELL_FACH states	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	225		3.9.0	R99	Corrections to requirements on Connected Mode TDD to TDD/FDD/GSM cell re-selection delay, interruption time during FACH reception and CELL_FACH test cases	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	226		3.9.0	R99	Corrections to RRC re-establishment delay requirements and test cases	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	227		4.4.0	Rel-4	TFC selection in UE requirements and test case	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	228		5.0.0	Rel-5	TFC selection in UE requirements and test case	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	229		4.4.0	Rel-4	1G intra-frequency fading test case	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	230		5.0.0	Rel-5	1G intra-frequency fading test case	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	231	1	4.4.0	Rel-4	HO interruption times TDD to TDD/FDD/GSM	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	232	1	5.0.0	Rel-5	HO interruption times TDD to TDD/FDD/GSM	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020282	25.123	233	1	4.4.0	Rel-4	Measurement reporting and capabilities for the support of event-triggered and periodic reporting criteria in CELL_DCH and CELL_FACH states (3.84 Mcps TDD option)	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4

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RP-020282	25.123	234	1	5.0.0	Rel-5	Measurement reporting and capabilities for the support of event-triggered and periodic reporting criteria in CELL_DCH and CELL_FACH states (3.84 Mcps TDD option)	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	235		4.4.0	Rel-4	Corrections to requirements on Connected Mode TDD to TDD/FDD/GSM cell re-selection	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	236		5.0.0	Rel-5	Corrections to requirements on Connected Mode TDD to TDD/FDD/GSM cell re-selection	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	237		4.4.0	Rel-4	Corrections to RRC re-establishment delay requirements and test cases	approved	A	4.5.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	238		5.0.0	Rel-5	Corrections to RRC re-establishment delay requirements and test cases	approved	A	5.1.0	Requirements for support of radio resource management (TDD)	R4
RP-020283	25.123	241		3.9.0	R99	Correction to power definitions and measurement applicability for TDD	approved	F	3.10.0	Requirements for support of radio resource management (TDD)	R4
RP-020284	25.133	340	1	3.9.0	R99	GSM measurement test cases	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	341	1	4.4.0	Rel-4	GSM measurement test cases	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	342	1	5.2.0	Rel-5	GSM measurement test cases	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	346		3.9.0	R99	Removal of test case "Correct reporting of neighbors in Fading propagation condition"	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	347		4.4.0	Rel-4	Removal of test case "Correct reporting of neighbors in Fading propagation condition"	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	358	1	3.9.0	R99	Corrections to FDD-GSM cell re-selection test case	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	359		4.4.0	Rel-4	Corrections to FDD-GSM cell re-selection test case	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	360		5.2.0	Rel-5	Corrections to FDD-GSM cell re-selection test case	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	361		3.9.0	R99	Corrections to UTRAN carrier RSSI measurement accuracy requirement	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	362		4.4.0	Rel-4	Corrections to UTRAN carrier RSSI measurement accuracy requirement	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	363	1	5.2.0	Rel-5	Corrections to UTRAN carrier RSSI measurement accuracy requirement	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	364	1	3.9.0	R99	Corrections to cell re-selection test cases	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	365		4.4.0	Rel-4	Corrections to cell re-selection test cases	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020284	25.133	366		5.2.0	Rel-5	Corrections to cell re-selection test cases	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	367	1	3.9.0	R99	FDD-GSM cell reselection test correction - scenario 1	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	368		4.4.0	Rel-4	FDD-GSM cell reselection test correction - scenario 1	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	369		5.2.0	Rel-5	FDD-GSM cell reselection test correction - scenario 1	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4

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RP-020303	25.133	376		5.2.0	Rel-5	Wording correction to UTRAN measurements	approved	F	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020303	25.133	388		5.2.0	Rel-5	Correction to cell re-selection requirements in Cell-FACH state	approved	F	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	389	1	3.9.0	R99	TFC selection	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	390	1	4.4.0	Rel-4	TFC selection	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	391	1	5.2.0	Rel-5	TFC selection	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	392	1	3.9.0	R99	Correction of Compressed Mode Patterns for BSIC identification and reconfirmation	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	393		4.4.0	Rel-4	Correction of Compressed Mode Patterns for BSIC identification and reconfirmation	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	394		5.2.0	Rel-5	Correction of Compressed Mode Patterns for BSIC identification and reconfirmation	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	401		3.9.0	R99	Corrections to FDD-TDD requirements and test cases	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020303	25.133	410	1	5.2.0	Rel-5	Correction of the definition of known cell	approved	F	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	414		4.4.0	Rel-4	Corrections to FDD-TDD requirements and test cases	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	415		5.2.0	Rel-5	Corrections to FDD-TDD requirements and test cases	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	422	1	3.9.0	R99	Definition of out of service	approved	F	3.10.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	423	1	4.4.0	Rel-4	Definition of out of service	approved	A	4.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020285	25.133	424	1	5.2.0	Rel-5	Definition of out of service	approved	A	5.3.0	Requirements for support of radio resource management (FDD)	R4
RP-020286	25.141	197	2	5.2.0	Rel-5	TBDs on test tolerances	approved	A	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	199	1	5.2.0	Rel-5	UTRAN measurement Transmitted code power	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	202		5.2.0	Rel-5	Correction to occupied bandwidth test	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	205	1	5.2.0	Rel-5	Correction to PN Generator	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020301	25.141	206	1	5.2.0	Rel-5	BS performance requirements in SSDT (Site Selection Diversity Transmission)	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020294	25.141	207		4.4.0	Rel-4	Reference measurement channels for UL RACH Ratio of preamble power and total message power	approved	F	4.5.0	Base station conformance testing (FDD)	R4
RP-020294	25.141	208		5.2.0	Rel-5	Reference measurement channels for UL RACH Ratio of preamble power and total message power	approved	A	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	209		5.2.0	Rel-5	Correction of ITU-R SM.329 references	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	212		5.2.0	Rel-5	Correction of the internal BER calculation verification test (Rel-5)	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020294	25.141	219		4.4.0	Rel-4	Test system uncertainties and test tolerances for RACH tests (Rel-4)	approved	F	4.5.0	Base station conformance testing (FDD)	R4
RP-020294	25.141	220		5.2.0	Rel-5	Test system uncertainties and test tolerances for RACH tests (Rel-5)	approved	A	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	221		5.2.0	Rel-5	Test tolerances for CPCH tests	approved	F	5.3.0	Base station conformance testing (FDD)	R4

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RP-020303	25.141	222		5.2.0	Rel-5	Change of Test Model for EVM	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020303	25.141	225	1	5.2.0	Rel-5	Corrections to Spectrum Emission Mask	approved	F	5.3.0	Base station conformance testing (FDD)	R4
RP-020286	25.141	226		3.9.0	R99	Correction of power control dynamic range Test Tolerance	approved	F	3.10.0	Base station conformance testing (FDD)	R4
RP-020286	25.141	227		4.4.0	Rel-4	Correction of power control dynamic range Test Tolerance	approved	A	4.5.0	Base station conformance testing (FDD)	R4
RP-020286	25.141	228		5.2.0	Rel-5	Correction of power control dynamic range Test Tolerance	approved	A	5.3.0	Base station conformance testing (FDD)	R4
RP-020286	25.141	229	1	3.9.0	R99	Correction to total power dynamic range test	approved	F	3.10.0	Base station conformance testing (FDD)	R4
RP-020286	25.141	230	1	4.4.0	Rel-4	Correction to total power dynamic range test	approved	A	4.5.0	Base station conformance testing (FDD)	R4
RP-020295	25.142	112		4.4.0	Rel-4	The amendment for BS Category B spurious emission band adjacent to allocated bands for LCR-TDD	approved	F	4.5.0	Base station conformance testing (TDD)	R4
RP-020295	25.142	113		5.0.0	Rel-5	The amendment for BS Category B spurious emission band adjacent to allocated bands for LCR-TDD	approved	A	5.1.0	Base station conformance testing (TDD)	R4
RP-020295	25.142	117	1	4.4.0	Rel-4	Correction of transmit ON/OFF time mask test	approved	F	4.5.0	Base station conformance testing (TDD)	R4
RP-020295	25.142	118	1	5.0.0	Rel-5	Correction of transmit ON/OFF time mask test	approved	A	5.1.0	Base station conformance testing (TDD)	R4
RP-020287	25.142	119		3.9.0	R99	Correction of power terms and definitions	approved	F	3.10.0	Base station conformance testing (TDD)	R4
RP-020287	25.142	120		4.4.0	Rel-4	Correction of power terms and definitions	approved	A	4.5.0	Base station conformance testing (TDD)	R4
RP-020287	25.142	121		5.0.0	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	Base station conformance testing (TDD)	R4
RP-020295	25.142	122		4.4.0	Rel-4	Correction of power terms and definitions	approved	F	4.5.0	Base station conformance testing (TDD)	R4
RP-020295	25.142	123		5.0.0	Rel-5	Correction of power terms and definitions	approved	A	5.1.0	Base station conformance testing (TDD)	R4
RP-020298	25.142	124		5.0.0	Rel-5	Introduction of BS classification for 3,84 Mcps TDD option (excluding ACLR and spurious emission requirements)	approved	B	5.1.0	Base station conformance testing (TDD)	R4
RP-020299	25.142	125		5.0.0	Rel-5	Introduction of BS classification for 1,28 Mcps TDD option (excluding ACLR and spurious emission requirements)	approved	B	5.1.0	Base station conformance testing (TDD)	R4
RP-020302	25.142	126	1	5.0.0	Rel-5	Inclusion of HSDPA into TS25.142	approved	B	5.1.0	Base station conformance testing (TDD)	R4
RP-020298	25.142	127		5.0.0	Rel-5	Introduction of BS classification for 3,84 Mcps and 1,28 Mcps TDD options - ACLR and spurious emissions requirements	approved	B	5.1.0	Base station conformance testing (TDD)	R4
RP-020287	25.142	128		3.9.0	R99	BS conformance testing of revised ACLR and spurious emissions requirements in case of coexistence	approved	F	3.10.0	Base station conformance testing (TDD)	R4
RP-020287	25.142	129		4.4.0	Rel-4	BS conformance testing of revised ACLR and spurious emissions requirements for 3,84 Mcps and 1,28 Mcps TDD option in case of coexistence	approved	F	4.5.0	Base station conformance testing (TDD)	R4
RP-020296	25.143	008		4.3.0	Rel-4	Introduction of output intermodulation requirement	approved	F	4.4.0	UTRA Repeater; Conformance testing	R4
RP-020296	25.143	009		5.0.0	Rel-5	Introduction of output intermodulation requirement	approved	A	5.1.0	UTRA Repeater; Conformance testing	R4
RP-020303	25.143	010		5.0.0	Rel-5	Correction of ITU-R SM.329 references	approved	F	5.1.0	UTRA Repeater; Conformance testing	R4
RP-020288	25.942	007		3.2.0	R99	Antenna-to-antenna isolation for application in the same geographic area	approved	F	3.3.0	RF system scenarios	R4
RP-020288	25.942	008		4.1.0	Rel-4	Antenna-to-antenna isolation for application in the same geographic area	approved	A	4.2.0	RF system scenarios	R4
RP-020298	25.942	009		5.0.0	Rel-5	Antenna-to-antenna isolation for application in the same geographic area for Wide Area and Local Area BS	approved	B	5.1.0	RF system scenarios	R4
RP-020297	25.943	002		4.1.0	Rel-4	Correction of error in Annex A	approved	F	4.2.0	Deployment aspects	R4
RP-020297	25.943	003		5.0.1	Rel-5	Correction of error in Annex A	approved	A	5.1.0	Deployment aspects	R4
RP-020298	25.952	001		5.0.0	Rel-5	Correction of ACLR and spurious emission requirements for the 3.84 Mcps TDD Local Area BS	approved	F	5.1.0	Base Station classification (TDD)	R4
SP-020390	02.16	A013	-	6.2.0	R97	Combining the TAC and FAC fields of the IMEI	rejected	F		International Mobile Station Equipment Identities (IMEI)	S1

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SP-020391	02.16	A014	-	7.2.0	R98	Combining the TAC and FAC fields of the IMEI	rejected	A		International Mobile Station Equipment Identities (IMEI)	S1
SP-020243	21.905	038		5.3.0	Rel-5	removal of obsolete reference	approved	F	5.4.0	Vocabulary for 3GPP Specifications	S1
SP-020244	22.002	014		4.2.0	Rel-5	Correction of terminology and references	approved	F	5.0.0	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1
SP-020245	22.003	012		5.1.0	Rel-5	Corrections on ASCI and Fax due to GERAN Iu mode	approved	F	5.2.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-020236	22.004	007		3.2.1	R99	Correction of table 3.2 of TS22.004	approved	F	3.3.0	General on Supplementary Services	S1
SP-020236	22.004	008		4.1.0	Rel-4	Correction to Table 3.2 (rel-4)	approved	A	4.2.0	General on Supplementary Services	S1
SP-020236	22.004	009		4.1.0	Rel-5	Correction of Table 3.2 (rel-5)	withdrawn	A		General on Supplementary Services	S1
SP-020238	22.011	046		4.6.0	Rel-4	Editorial corrections on 22.011	approved	F	4.7.0	Service accessibility	S1
SP-020237	22.016	007		3.2.0	R99	Type approval code	approved	F	3.3.0	International Mobile Equipment Identities (IMEI)	S1
SP-020237	22.016	008		4.1.0	Rel-4	Type approval code	approved	A	4.2.0	International Mobile Equipment Identities (IMEI)	S1
SP-020239	22.034	004		4.0.0	Rel-4	CR to 22.034 Correction of terminology and references	approved	F	4.1.0	High Speed Circuit Switched Data (HSCSD); Stage 1	S1
SP-020246	22.057	010		5.3.0	Rel-5	Correction usage of MExE application	approved	F	5.4.0	Mobile Execution Environment (MExE); Stage 1	S1
SP-020240	22.060	024		4.3.0	Rel-4	Editorial Corrections to TS 22.060 (Rel-4)	revised	F		General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020380	22.060	024	1	4.3.0	Rel-4	Editorial Corrections to TS 22.060 (Rel-4)	approved	F	4.4.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020240	22.060	025		5.1.0	Rel-5	Editorial Corrections to TS 22.060 (Rel-5)	revised	A		General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020380	22.060	025	1	5.1.0	Rel-5	Editorial Corrections to TS 22.060 (Rel-5)	approved	A	5.2.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020241	22.060	026		4.3.0	Rel-4	Removal of 'Erasure'	approved	F	4.4.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020241	22.060	027		5.1.0	Rel-5	Removal of 'Erasure'	approved	A	5.2.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-020254	22.071	040		5.1.1	Rel-6	Privacy control in HPLMN	approved	C	6.0.0	Location Services (LCS); Stage 1	S1
SP-020254	22.071	041		5.1.1	Rel-6	Enhancement of Codeword Requirements for LCS	approved	C	6.0.0	Location Services (LCS); Stage 1	S1
SP-020247	22.078	144		5.6.0	Rel-5	Annex of Information Tables (A.1, A.2, A.3 and A.4)	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020247	22.078	145		5.6.0	Rel-5	Functional split in CAMEL4	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020247	22.078	146		5.6.0	Rel-5	Functional Subsets of CAMEL Phase 4	rejected	F		Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020247	22.078	147		5.6.0	Rel-5	Removal of Charging Notification	approved	F	5.7.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020280	22.101	094		5.5.0	Rel-5	Clarifying note on ISIM/USIM	rejected	F		Service aspects; Service principles	S1
SP-020280	22.101	095		5.5.0	Rel-5	REL5 clean up	revised	F		Service aspects; Service principles	S1
SP-020381	22.101	095	1	5.5.0	Rel-5	REL5 clean up	approved	F	5.6.0	Service aspects; Service principles	S1

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SP-020255	22.101	096		5.5.0	Rel-6	Editorial for REL6	approved	D	6.0.0	Service aspects; Service principles	S1
SP-020255	22.101	097		5.5.0	Rel-6	Release 6 ISIM requirement	rejected	B		Service aspects; Service principles	S1
SP-020248	22.105	036		5.1.0	Rel-5	GERAN Iu mode related updates	approved	F	5.2.0	Services & service capabilities	S1
SP-020249	22.127	044		5.3.0	Rel-5	Reduction of scope of OSA R5	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020249	22.127	045		5.3.0	Rel-5	Proposal to remove feature ''Retrieval of Visited Network Capabilities' from OSA Release 5'	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020249	22.127	046		5.3.0	Rel-5	A more Flexible Event Notification mechanism	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020249	22.127	047		5.3.0	Rel-5	Clarifications of the terms used for the control of GPRS Sessions and IM Sessions	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020249	22.127	048		5.3.0	Rel-5	Removal of Presence Service	approved	F	5.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020256	22.127	049		5.3.0	Rel-6	Access to IP Session Information	approved	B	6.0.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020250	22.129	026		5.1.0	Rel-5	access rights in connected mode	approved	F	5.2.0	Handover requirements between UTRAN and GERAN or other radio systems	S1
SP-020242	22.135	010		4.1.0	Rel-4	Corrections on terminology	approved	F	4.2.0	Multicall; Service description; Stage 1	S1
SP-020251	22.140	016		5.1.0	Rel-5	Introduction of short codes for VASP addressing	approved	F	5.2.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-020257	22.146	031		5.2.0	Rel-6	Proposed CR on Multicast Joining Outside the Multicast Area	approved	C	6.0.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020257	22.146	032		5.2.0	Rel-6	Clarification of requirement related to paging messages	approved	F	6.0.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-020252	22.228	014		5.5.0	Rel-5	REL5 clean up	revised	F		IP multimedia subsystem; Stage 1	S1
SP-020408	22.228	014	1	5.5.0	Rel-5	Clean up of IMS rel 5	approved	F	5.6.0	IP multimedia subsystem; Stage 1	S1
SP-020258	22.228	015		5.5.0	Rel-6	Release 6 ISIM requirement	rejected	B		IP multimedia subsystem; Stage 1	S1
SP-020258	22.228	016		5.5.0	Rel-6	Revised version of S1-020846: Editorial for REL6	approved	D	6.0.0	IP multimedia subsystem; Stage 1	S1
SP-020253	22.944	001		5.0.0	Rel-5	Editorial Corrections	approved	F	5.1.0	Service requirements for UE functionality split	S1
SP-020253	22.944	002		5.0.0	Rel-5	UICC in UE-split	approved	F	5.1.0	Service requirements for UE functionality split	S1
SP-020377	03.71	041		7.9.0	R98	Correction of timing when SMLC enters LOCATION state.	approved	F	7.10.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020377	03.71	042		8.5.0	R99	Correction of timing when SMLC enters LOCATION state.	approved	A	8.6.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020310	23.002	092	2	5.6.0	Rel-5	General updates due to Intra Domain Connection of RAN nodes to multiple CN nodes	approved	F	5.7.0	Network Architecture	S2
SP-020310	23.002	094	1	5.6.0	Rel-5	Security Gateway	approved	F	5.7.0	Network Architecture	S2
SP-020310	23.002	095	2	5.6.0	Rel-5	Alignment with TS23.271	approved	F	5.7.0	Network Architecture	S2
SP-020311	23.060	342	3	3.11.0	R99	Clarification of Any Time Interrogation functionality	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	343	3	4.4.0	Rel-4	Clarification of Any Time Interrogation functionality	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	344	3	5.1.0	Rel-5	Clarification of Any Time Interrogation functionality	approved	A	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-020311	23.060	345		5.1.0	Rel-5	Clarification for PCO use in Secondary PDP context	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	348	1	5.1.0	Rel-5	Correction on the Restriction of Data Transfer during Mobility Management Procedures	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	351	1	5.1.0	Rel-5	Clarification on the PDP Address and PDP Context	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	357	2	5.1.0	Rel-5	RAB assignment during a RA update in PMM-Connected state	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	358	1	5.1.0	Rel-5	MS and Network operation Modes	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	359	3	3.11.0	R99	Corrections for Authentication procedures	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	360	2	4.4.0	Rel-4	Corrections for Authentication procedures	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	364	1	5.1.0	Rel-5	Update of attach procedure	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	365		3.11.0	R99	IPv6 transport not recommended for Iu and Gn/Gp in R99	approved	F	3.12.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	366		4.4.0	Rel-4	IPv6 transport not recommended for Iu and Gn/Gp in R4	approved	A	4.5.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	367	1	5.1.0	Rel-5	Introduction of IP transport option for Iu	approved	F	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020311	23.060	369	1	5.1.0	Rel-5	Corrections for Authentication procedures	approved	A	5.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020312	23.107	109	1	5.4.0	Rel-5	Correction of Reference and Editorial Change	approved	F	5.5.0	Quality of Service (QoS) concept and architecture	S2
SP-020313	23.121	064	2	3.5.0	R99	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	F	3.6.0	Architecture Requirements for release 99	S2
SP-020314	23.127	041	1	5.1.0	Rel-5	Removal of Mapping of Presence OSA APIs	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2	S2
SP-020314	23.127	042	1	5.1.0	Rel-5	Proposal to remove the feature "Retrieval of visited network capabilities"	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2	S2
SP-020314	23.127	043	1	5.1.0	Rel-5	Reduction of scope of OSA Rel5	approved	F	5.2.0	Virtual Home Environment (VHE); Stage 2	S2
SP-020377	23.171	025	2	3.7.0	R99	Clarification of CS-MO-LR procedures	approved	F	3.8.0	Functional stage 2 description of location services in UMTS	S2
SP-020309	23.171	025	2	3.7.0	R99	Clarification of CS-MO-LR procedures	revised	F		Functional stage 2 description of location services in UMTS	S2
SP-020315	23.207	027	1	5.3.0	Rel-5	Clarifications to TS 23.207	approved	F	5.4.0	End to end quality of service concept and architecture	S2
SP-020315	23.207	028	2	5.3.0	Rel-5	Alignment of TS 23.207	approved	F	5.4.0	End to end quality of service concept and architecture	S2
SP-020315	23.207	030		5.3.0	Rel-5	Correct miss-match between figure and explanatory texts	approved	F	5.4.0	End to end quality of service concept and architecture	S2
SP-020315	23.207	034	3	5.3.0	Rel-5	Number of media components per PDP Context	approved	F	5.4.0	End to end quality of service concept and architecture	S2
SP-020313	23.221	031	2	4.1.0	Rel-4	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	A	4.2.0	Architectural requirements	S2
SP-020313	23.221	032	2	5.4.0	Rel-5	CS domain signalling requirements: MSC and RNC behaviour relating to handover and cell reselection	approved	A	5.5.0	Architectural requirements	S2

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SP-020313	23.221	033		5.4.0	Rel-5	CR related to the discussion in S2-021074.	approved	F	5.5.0	Architectural requirements	S2
SP-020317	23.228	125	1	5.4.1	Rel-5	E.164 numbers as public user identifiers	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	153	2	5.4.1	Rel-5	Deriving IMS parameters from the USIM	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	154	2	5.4.1	Rel-5	Clarification of the function "Implicit Registration"	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	155	1	5.4.1	Rel-5	Clarifying function of barring IMPU as a function	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	156	1	5.4.1	Rel-5	Clarification of the relation between Public User Identities and Service Profiles	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	157	1	5.4.1	Rel-5	Correct stage 2 text following IETF changes	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	158	1	5.4.1	Rel-5	Forking In IMS	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	160	1	5.4.1	Rel-5	IMS call redirected towards the PSTN/CS domain	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	161		5.4.1	Rel-5	Consistent and correct use of destination subscriber & fix a fault of changing destination to originating subscriber	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	162	2	5.4.1	Rel-5	Clarification on the charging concept with stage 3	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	164	1	5.4.1	Rel-5	Clarification on the filter criteria for ASs	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	167		5.4.1	Rel-5	Corrections to architecture of MRF	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	168	1	5.4.1	Rel-5	S-CSCF allocation	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	169	1	5.4.1	Rel-5	Registration flow	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	170		5.4.1	Rel-5	External Application Servers	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	171	3	5.4.1	Rel-5	Restrictions of the Signalling PDP context	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	173	1	5.4.1	Rel-5	Media negotiation	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020317	23.228	174	3	5.4.1	Rel-5	Number of media components per PDP Context	approved	F	5.5.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020377	23.271	078	1	4.5.0	Rel-4	Remove 'HSS' from 23.271 Rel-4	approved	F	4.6.0	Functional stage 2 description of location services	S2
SP-020377	23.271	079		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 3, 4 & 5 changes	revised	B		Functional stage 2 description of location services	S2
SP-020405	23.271	079	1	5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 3, 4 & 5 changes	approved	B	6.0.0	Functional stage 2 description of location services	S2
SP-020377	23.271	080		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 6 & 8	revised	B		Functional stage 2 description of location services	S2
SP-020405	23.271	080	1	5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clauses: 6 & 8	approved	B	6.0.0	Functional stage 2 description of location services	S2
SP-020377	23.271	081		5.2.0	Rel-6	Introduction of the GMLC-GMLC Lr (roaming) interface: Clause: 9 changes	withdrawn	B		Functional stage 2 description of location services	S2
SP-020377	23.271	082	3	5.2.0	Rel-5	Modification to LCS to support North American E911	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	083		5.2.0	Rel-5	Handling of Location request without Codeword in GMLC	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	084	5	5.2.0	Rel-5	Codeword check mechanism.	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	085	3	5.2.0	Rel-5	Definition of "Enhanced User Privacy"	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	086	1	4.5.0	Rel-4	Clarification of CS-MO-LR/PS-MO-LR procedures	approved	F	4.6.0	Functional stage 2 description of location services	S2
SP-020377	23.271	087	1	5.2.0	Rel-5	Clarification of CS-MO-LR/PS-MO-LR procedures	approved	A	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	088		5.2.0	Rel-5	Deleting version number of Mobile Location Protocol Specification from reference	approved	F	5.3.0	Functional stage 2 description of location services	S2

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SP-020377	23.271	089	1	5.2.0	Rel-5	Service type and codeword clarifications	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	090		5.2.0	Rel-5	Requestor identity in LCS client name	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	091	1	5.2.0	Rel-5	Privacy Class selection rule	approved	F	5.3.0	Functional stage 2 description of location services	S2
SP-020377	23.271	092		5.2.0	Rel-6	Introduction of the GMLC-GMLC interface Clause 9: General Network Positioning Procedures	withdrawn	B		Functional stage 2 description of location services	S2
SP-020339	22.022	003		3.1.0	R99	IMEI format for de-personalisation over the air	approved	F	3.2.0	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3
SP-020339	22.022	004		4.0.0	Rel-4	IMEI format for de-personalisation over the air	approved	A	4.1.0	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3
SP-020340	33.102	165		3.11.0	R99	Optional use of Access Link Data Confidentiality	approved	F	3.12.0	3G security; Security architecture	S3
SP-020340	33.102	166		4.3.0	Rel-4	Optional use of Access Link Data Confidentiality	approved	A	4.4.0	3G security; Security architecture	S3
SP-020341	33.102	167		3.11.0	R99	Clarification of ciphering indicator	rejected	F		3G security; Security architecture	S3
SP-020341	33.102	168		4.3.0	Rel-4	Clarification of ciphering indicator	rejected	A		3G security; Security architecture	S3
SP-020342	33.102	169	1	3.11.0	R99	Encryption/Integrity algorithms ordered by preference in Security Mode command	approved	F	3.12.0	3G security; Security architecture	S3
SP-020342	33.102	170	1	4.3.0	Rel-4	Encryption/Integrity algorithms ordered by preference in Security Mode command	approved	A	4.4.0	3G security; Security architecture	S3
SP-020343	33.102	171		3.11.0	R99	Correction of (U)SIM toolkit security reference	approved	F	3.12.0	3G security; Security architecture	S3
SP-020343	33.102	172		4.3.0	Rel-4	Correction of (U)SIM toolkit security reference	approved	A	4.4.0	3G security; Security architecture	S3
SP-020344	33.102	173		3.11.0	R99	Clarification of sequence number management	rejected	F		3G security; Security architecture	S3
SP-020344	33.102	174		4.3.0	Rel-4	Clarification of sequence number management	revised	F		3G security; Security architecture	S3
SP-020385	33.102	174	1	4.3.0	Rel-5	Clarification of sequence number management	approved	F	5.0.0	3G security; Security architecture	S3
SP-020345	33.107	023		5.2.1	Rel-5	to support interception at a GGSN	approved	C	5.3.0	3G security; Lawful interception architecture and functions	S3
SP-020345	33.107	024		5.2.1	Rel-5	Addition of SMS type information	approved	B	5.3.0	3G security; Lawful interception architecture and functions	S3
SP-020345	33.107	025		5.2.1	Rel-5	Inclusion of Serving System IRI in TS 33.107	approved	C	5.3.0	3G security; Lawful interception architecture and functions	S3
SP-020346	33.203	003		5.1.0	Rel-5	ISIM related parameters	approved	F	5.2.0	Access security for IP based services	S3
SP-020347	33.203	004		5.1.0	Rel-5	Reference of HTTP Digest AKA in TS 33.203	approved	F	5.2.0	Access security for IP based services	S3
SP-020348	33.203	005		5.1.0	Rel-5	Clean-up of section 6.1.1	approved	D	5.2.0	Access security for IP based services	S3
SP-020349	33.203	006		5.1.0	Rel-5	Integrity protection indicator	approved	F	5.2.0	Access security for IP based services	S3
SP-020350	33.203	007		5.1.0	Rel-5	UE and P-CSCF Behaviour on an Incomplete Authentication	approved	F	5.2.0	Access security for IP based services	S3
SP-020351	33.203	008		5.1.0	Rel-5	Requested Changes for SIP integrity	approved	C	5.2.0	Access security for IP based services	S3
SP-020352	33.203	009		5.1.0	Rel-5	Clean-up of clause 7.3	approved	D	5.2.0	Access security for IP based services	S3
SP-020353	33.203	010		5.1.0	Rel-5	Security association handling in IMS when the UE changes IP address	revised	C		Access security for IP based services	S3
SP-020386	33.203	010	1	5.1.0	Rel-5	Security association handling in IMS when the UE changes IP address	approved	C	5.2.0	Access security for IP based services	S3
SP-020354	33.203	011		5.1.0	Rel-5	Remove Annexes that describes Extended HTTP Digest solution	approved	C	5.2.0	Access security for IP based services	S3
SP-020355	33.210	001		5.0.0	Rel-5	NDS/IP Confidentiality protection for IMS session keys	approved	F	5.1.0	Network Domain Security - IP	S3

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SP-020356	33.210	002		5.0.0	Rel-5	Strengthening the requirements on IV construction to prevent attacks based on predictable IV	approved	F	5.1.0	Network Domain Security - IP	S3
SP-020222	06.74	A003		7.2.0	R98	Update of set DTX test vectors for VAD option 1	approved	F	7.3.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-020223	26.103	012	2	3.1.0	R99	UMTS_AMR2 is default Codec Type in R99 dual_mode terminals	approved	F	3.2.0	Codec lists	S4
SP-020223	26.103	013	2	4.2.0	Rel-4	UMTS_AMR2 is default Codec Type in all terminals of REL-4 and onwards	approved	F	4.3.0	Codec lists	S4
SP-020223	26.103	014	2	5.1.0	Rel-5	UMTS_AMR2 is default Codec Type in all terminals of Rel-4 and onwards	approved	A	5.2.0	Codec lists	S4
SP-020224	26.140	001		5.0.0	Rel-5	Correcting the reference to AMR and AMR-WB RTP payload	approved	F	5.1.0	Multimedia Messaging Service (MMS); Media formats and codes	S4
SP-020226	26.234	024	1	5.0.0	Rel-5	Correction to Timed Text	approved	F	5.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020225	26.234	025	3	4.3.0	Rel-4	Mime media type update	approved	F	4.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020226	26.234	026	3	5.0.0	Rel-5	Mime media type update	approved	A	5.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020226	26.234	027		5.0.0	Rel-5	Corrections to the description of Sample Description atom and Timed Text Format	approved	F	5.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020225	26.234	028	1	4.3.0	Rel-4	Corrections Based on Interoperability Issues	approved	F	4.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020226	26.234	029	1	5.0.0	Rel-5	Corrections Based on Interoperability Issues	approved	A	5.1.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-020228	28.062	017	1	5.0.0	Rel-5	Editorial corrections and additions	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020227	28.062	018	2	4.3.0	Rel-4	Clarify Extendibility of TFO_Messages	approved	F	4.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	019	2	5.0.0	Rel-5	Additional TFO_Message Elements for Immediate Codec Type Optimisation	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	020	2	5.0.0	Rel-5	Corrections to TS 28.062, sections 4 to 8	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	021	3	5.0.0	Rel-5	Corrections to TS 28.062, Annex C	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	022	2	5.0.0	Rel-5	TFO Version Handling	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	023	2	5.0.0	Rel-5	Configuration Exchange in Annex C	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	024	2	5.0.0	Rel-5	Corrections to Annex H	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4

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SP-020227	28.062	025		4.3.0	Rel-4	Corrections to Clause 9 and 10	approved	F	4.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	026	1	5.0.0	Rel-5	Corrections to sections 9 and 10	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020228	28.062	027	1	5.0.0	Rel-5	Immediate Codec Type Optimization	approved	F	5.1.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020292	12.04	A002	-	8.0.0	R99	Correction of erroneous definitions of SGSN measurements	approved	F	8.1.0	Performance data measurements	S5
SP-020293	12.04	A003	-	8.0.0	R99	Remove irrelevant definitions for SGSN measurements related to Ciphering Mode	approved	F	8.1.0	Performance data measurements	S5
SP-020282	32.111-3	016	-	4.2.0	Rel-4	Addition of 'indeterminate' probable cause in IDL definition	approved	F	4.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020283	32.111-4	006	-	4.2.0	Rel-4	Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions	approved	F	4.3.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020283	32.111-4	007	-	5.0.0	Rel-5	Correction of errors and ambiguities in the Parameter Mapping Tables and ASN.1 Definitions	approved	A	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020284	32.111-4	008	-	5.0.0	Rel-5	Addition of the parameter alarmListAlignmentRequirement to the notification notifyAlarmListRebuilt in the CMIP SS (32.111-4)	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020284	32.111-4	009	-	5.0.0	Rel-5	Adding the notification notifyPotentialFaultyAlarmList in the CMIP SS (32.111-4)	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020284	32.111-4	010	-	5.0.0	Rel-5	Introduction of SS (32.111-4) to IS (32.111-2) relation and correction of Foreword	approved	F	5.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020287	32.200	006	-	5.0.0	Rel-5	Naming of the interfaces to the Billing System	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020287	32.200	007	-	5.0.0	Rel-5	Clarifying the off-line IMS Charging architecture	approved	F	5.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020287	32.200	008	-	5.0.0	Rel-5	Inclusion of content charging functions from 23.815	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020287	32.200	009	-	5.0.0	Rel-5	Inclusion of generic flows for event-based charging at the Ro reference point from 23.815	approved	C	5.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020287	32.200	010	-	5.0.0	Rel-5	Adding definition for the Charging Collection Function (CCF)	approved	B	5.1.0	Telecommunication management; Charging management; Charging principles	S5

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SP-020286	32.200	011	-	4.1.0	Rel-4	Align with 23.060 by adding 'intra-SGSN intersystem change' as record closure criterion for S-CDR	approved	F	4.2.0	Telecommunication management; Charging management; Charging principles	S5
SP-020286	32.200	012	-	5.0.0	Rel-5	Align with 23.060 by adding 'intra-SGSN intersystem change' as record closure criterion for S-CDR	approved	A	5.1.0	Telecommunication management; Charging management; Charging principles	S5
SP-020285	32.200	013	-	4.1.0	Rel-4	Align 32.200 (Charging Principles) with 32.235 (Service Charging) on MMS Charging Scenarios	approved	F	4.2.0	Telecommunication management; Charging management; Charging principles	S5
SP-020285	32.205	004	-	4.1.1	Rel-4	Corrections of parameter CallEventRecord	approved	F	4.2.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020285	32.205	005	-	5.0.0	Rel-5	Corrections of parameter CallEventRecord	approved	A	5.1.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-020289	32.215	007	-	5.0.0	Rel-5	Addition of real-time delivery of Charging Data Records (CDRs) to the Billing System	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020289	32.215	008	-	5.0.0	Rel-5	Alignment of CDRs' IPv4 versus IPv6 address usage with architectural principles	approved	F	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020286	32.215	009	-	4.2.1	Rel-4	Correction of S-CDR triggers	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020286	32.215	010	-	5.0.0	Rel-5	Correction of S-CDR triggers	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020289	32.215	011	-	5.0.0	Rel-5	Addition of external charging identifier into G-CDR	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020289	32.215	012	-	5.0.0	Rel-5	Addition of an "IMS signaling PDP context" flag into G-CDR	approved	B	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020288	32.215	013	-	4.2.1	Rel-4	Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020288	32.215	014	-	5.0.0	Rel-5	Correcting definition of traffic data volume CDR field & Specify usage of the LRSN to avoid loss of billing data	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020285	32.215	015	-	4.2.1	Rel-4	Alignment with 23.271 (LCS stage 2) of CDR definition for LCS in PS domain	approved	F	4.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020285	32.215	016	-	5.0.0	Rel-5	Alignment with 23.271 (LCS stage 2) of CDR definition for LCS in PS domain	approved	A	5.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020285	32.235	002	-	4.1.0	Rel-4	Align 32.200 (Charging Principles) with 32.235 (Service Charging) on MMS CDRs and parameter definitions for Charging Scenarios	approved	F	4.2.0	Telecommunication management; Charging management; Charging data description for application services	S5

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SP-020290	32.304	007	-	5.1.0	Rel-5	Correction of erroneous notification header mapping table	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-020290	32.304	008	-	5.1.0	Rel-5	Introduction of SS (32.304) to IS (32.302) relation and correction of Foreword	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-020291	32.403	003	2	4.2.0	Rel-5	Introduction of "Performance Measurements Definition Process" describing the repeatable, top-down process to define measurements for inclusion in future 3GPP Releases	approved	F	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020291	32.403	004	-	4.2.0	Rel-5	Adding performance measurement definitions related to GGSN	approved	B	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020291	32.403	005	-	4.2.0	Rel-5	Introduction of an optional “Purpose” clause in the measurement template	approved	B	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020291	32.403	006	-	4.2.0	Rel-5	Addition of explanatory text for Radio Access Bearer (RAB) measurements	approved	D	5.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-020294	32.603	005	-	4.2.0	Rel-4	Correcting IDL definitions of notification structured event Name Value pair names	approved	F	4.3.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-020295	32.611	001	-	4.0.0	Rel-5	Adding Bulk CM IRP requirements for Rel-5	approved	C	5.0.0	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	S5
SP-020296	32.612	002	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	S5
SP-020297	32.613	003	-	4.1.0	Rel-4	Add missing CORBA exceptions and descriptions of CORBA exception usage	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5
SP-020296	32.613	004	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5

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SP-020296	32.614	002	-	4.1.0	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"	approved	F	4.2.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	S5
SP-020298	32.615	003	-	4.2.0	Rel-5	New structure of specifications for the definition of Bulk CM IRP XML file formats	approved	C	5.0.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	S5
SP-020299	32.622	005	-	4.2.0	Rel-4	Remove R99-inherited restriction of self-containment for MOC SubNetwork	approved	F	4.3.0	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5
SP-020300	32.624	007	-	4.3.0	Rel-4	Making 32.624 (CMIP SS) consistent with 32.622 (IS) and 32.623 (CORBA SS)	approved	F	4.4.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-020300	32.624	008	-	4.3.0	Rel-4	Align with 32.622 (IS) by changing "userDefinedState" from read-only to read-write	approved	F	4.4.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-020301	32.631	001	-	4.0.0	Rel-5	Adding Core Network Management requirements over Interface-N for Rel-5	approved	B	5.0.0	Telecommunication Management; Configuration Management; Core network resources IRP: requirements	S5
SP-020302	32.632	002	-	4.1.0	Rel-4	Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)	approved	F	4.2.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5
SP-020302	32.633	001	-	4.0.0	Rel-4	Align with Rel-4 Network Architecture (23.002) by changing Roaming Signalling Gateway (R-SGW) to Signalling Gateway (SGW)	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set	S5
SP-020303	32.642	001	-	4.0.0	Rel-4	Corrections of reference in figure 6.2 and of attribute descriptions in UtranRelation in 32.642 (UTRAN network resources IRP: NRM)	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM	S5
SP-020304	32.642	002	-	4.0.0	Rel-4	Correction of supported IRP in system context	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: NRM	S5
SP-020305	32.652	003	-	4.2.0	Rel-4	Addition of the attributes mcc and mnc in the object model of GERAN	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5
SP-020305	32.652	004	-	4.2.0	Rel-4	Correction of attribute descriptions in the Managed Object Class (MOC) GsmRelation of 32.652 (GERAN network resources IRP: NRM)	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5
SP-020304	32.652	005	-	4.2.0	Rel-4	Correction of supported IRP in system context	approved	F	4.3.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5
SP-020292	52.402	001	-	4.0.0	Rel-4	Correction of erroneous definitions of SGSN measurements	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5
SP-020293	52.402	002	-	4.0.0	Rel-4	Remove irrelevant definitions for SGSN measurements related to Ciphering Mode	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5

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SP-020272	01.01	007	-	8.5.0	R99	Correction to list of specifications	revised	F		GSM Release 1999 Specifications	SP
SP-020399	01.01	007	1	8.5.0	R99	Correction to list of specifications	approved	F	8.6.0	GSM Release 1999 Specifications	SP
SP-020269	21.101	010	-	3.7.0	R99	Correction to list of specifications	revised	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-020396	21.101	010	1	3.7.0	R99	Correction to list of specifications	approved	F	3.8.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-020270	21.102	007	-	4.4.0	Rel-4	Correction to list of specifications	revised	F		3rd Generation mobile system Release 4 specifications	SP
SP-020397	21.102	007	1	4.4.0	Rel-4	Correction to list of specifications	approved	F	4.5.0	3rd Generation mobile system Release 4 specifications	SP
SP-020273	41.102	006	-	4.4.0	Rel-4	Correction to list of specifications	revised	F		GSM Release 4 specifications	SP
SP-020400	41.102	006	1	4.4.0	Rel-4	Correction to list of specifications	approved	F	4.5.0	GSM Release 4 specifications	SP
TP-020141	34.108	096		3.7.1	R99	Correction to clause 7.3.3.4 RADIO BEARER SETUP message	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	097		3.7.1	R99	Change of RM attribute of DL:3.4 kbps SRBs for DCCH in TS34.108 for R99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	098		3.7.1	R99	New additional RAB configuration (R1-020669) for R99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	099		3.7.1	R99	Correction of Puncturing Limit for RABs in TS34.108 for R99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	100		3.7.1	R99	Test USIM	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	101		3.7.1	R99	Section 6.1 (SIBs)Rel 99 TDD	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	102		3.7.1	R99	Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	103		3.7.1	R99	Correction to default message on clause 9 for Rel'99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	104		3.7.1	R99	Correction to clause 6.1for Rel'99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	105		3.7.1	R99	WCDMA1800 additions for Rel'99	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	106		3.7.1	R99	Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	107		3.7.1	R99	Section 9.1, Inclusion of Default message contents for TDD Rel 99(TS34.108)	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	108		4.2.1	Rel-4	Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD (3.84 Mcps and 1.28 Mcps)	approved	F	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	109		4.2.1	Rel-4	Correction to clause 7.3.3.4 RADIO BEARER SETUP message	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	110		4.2.1	Rel-4	Change of RM attribute of DL:3.4 kbps SRBs for DCCH in for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	111		4.2.1	Rel-4	New additional RAB configuration (R1-020669) for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	112		4.2.1	Rel-4	Correction of Puncturing Limit for RABs for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-020141	34.108	113		4.2.1	Rel-4	Test USIM	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	114		4.2.1	Rel-4	Section 6.1 (SIBs)Rel 4 (3.84 Mcps and 1.28 Mcps TDD)	approved	F	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	115		4.2.1	Rel-4	Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	116		4.2.1	Rel-4	Correction to default message in clause 9 for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	117		4.2.1	Rel-4	Correction to clause 6.1 for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	118		4.2.1	Rel-4	WCDMA1800 additions for Rel-4	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	119		4.2.1	Rel-4	Section 9.1 Default message contents for TDD (3.84 Mcps and 1.28 Mcps) R4	approved	F	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	120		3.7.1	R99	Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	approved	F	3.8.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020141	34.108	121		4.2.1	Rel-4	Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	approved	A	4.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-020139	34.121	145		3.8.0	R99	Spectrum emission mask test case: Change to frequencies to be tested	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	146		3.8.0	R99	Power control in downlink, initial convergence	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	147		3.8.0	R99	Event triggered reporting in AWGN propagation conditions	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	148		3.8.0	R99	Event triggered reporting of multiple neighbours in AWGN propagation conditions	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	149		3.8.0	R99	Event triggered reporting of two detectable neighbours in AWGN propagation conditions	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	150		3.8.0	R99	Correct reporting of neighbours in fading propagation conditions	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	151		3.8.0	R99	Removal of “AFC On” reference from clause 5.3 Frequency Error test	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	152		3.8.0	R99	Correct reporting of neighbours in AWGN propagation conditions - inter frequency case	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	153		3.8.0	R99	Deletion of test case description 'Correct reporting of neighbours in Fading propagation conditions - Inter frequency case	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	154		3.8.0	R99	Correction of UE Tx Timing adjustment rate	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	155		3.8.0	R99	Correction of Units of side conditions and test parameters	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	156		3.8.0	R99	Structure of subclause 8	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	157		3.8.0	R99	Inter-system Handover from UTRAN FDD to GSM	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	158		3.8.0	R99	UTRAN to GSM Cell Re-Selection: Change of minimum requirements	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-020139	34.121	159		3.8.0	R99	Cell reselection in idle mode: CR for testcase	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	160		3.8.0	R99	Cell reselection in idle mode: CR for annex F.4	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	161		3.8.0	R99	UTRAN to GSM cell reselection: CR for testcase	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	162		3.8.0	R99	UTRAN to GSM cell reselection: CR for annex F.4	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	163		3.8.0	R99	Test parameters of FDD/FDD Hard Handover test case	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	164		3.8.0	R99	Addition of details for RRM test cases in 8.3.7.1 and 8.3.7.2 (Cell Re-selection in URA_PCH)	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	165		3.8.0	R99	Addition of details for RRM test cases in 8.4.1 (RRC Re-establishment delay)	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	166		3.8.0	R99	Addition of details for RRM test case 8.3.1	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	167		3.8.0	R99	Addition of details for RRM test case 8.3.5.1	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	168		3.8.0	R99	Addition of details for RRM test case 8.3.5.2	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	169		3.8.0	R99	UE RX TX time difference: CR for testcase	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	170		3.8.0	R99	UE RX TX time difference: CR for annex	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	171		3.8.0	R99	Correction for SSDT test parameters and UL DPCCH slot format for performance	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	172		3.8.0	R99	Correction of UE FDD EVM definition	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	173		3.8.0	R99	Clarification of Meaning of FDR	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	174		3.8.0	R99	Modification to the test case for RX spurious emissions in TS34.121	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	175		3.8.0	R99	Editorial correction to Open Loop Power Control and Transmit ON/OFF Time mask in TS34.121	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020139	34.121	176		3.8.0	R99	Corrections to ACLR in TS34.121	approved	F	3.9.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020140	34.122	086		3.7.0	R99	Cell Re-selection in CELL_PCH test case Rel99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	087		3.7.0	R99	Cell Re-selection in URA_PCH test case Rel99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	088		3.7.0	R99	TDD/TDD Intra-frequency Handover R99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	089		3.7.0	R99	TDD/TDD Inter-frequency Handover R99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	090		3.7.0	R99	TDD/FDD Handover R99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	091		3.7.0	R99	PCCPCH Measurement Performance R99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-020140	34.122	092		3.7.0	R99	Corrections to TDD/TDD Cell Re-selection in CELL_FACH state R99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	093		3.7.0	R99	Power Control in the Downlink for HCR Rel99	approved	F	3.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	094		4.3.0	Rel-4	Cell Re-selection in CELL_PCH test case Rel-4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	095		4.3.0	Rel-4	Cell Re-selection in URA_PCH test case Rel99	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	096		4.3.0	Rel-4	TDD/TDD Intra-frequency Handover R4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	097		4.3.0	Rel-4	TDD/TDD Inter-frequency Handover R4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	098		4.3.0	Rel-4	TDD/FDD Handover R4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	099		4.3.0	Rel-4	PCCPCH Measurement Performance R4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	100		4.3.0	Rel-4	Corrections to TDD/TDD Cell Re-selection in CELL_FACH state R4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	101		4.3.0	Rel-4	Power Control in the Downlink for HCR Rel-4	approved	A	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	102		4.3.0	Rel-4	Inclusion and completion of re-selection test cases for LCRTDD	approved	F	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020140	34.122	103		4.3.0	Rel-4	Power Control in the Downlink for LCRTDD	approved	F	4.4.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020143	34.123-1	177		4.2.0	Rel-4	Modifications of MM test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	178		4.2.0	Rel-4	Update to GMM test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	179		4.2.0	Rel-4	Correction to clause 8.3 except for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	180		4.2.0	Rel-4	Update of L2/PDCP testing in alignment to March version 2002	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	181		4.2.0	Rel-4	Correction to MAC conformance test 7.1.2.4a	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	182		4.2.0	Rel-4	Correction to MAC conformance test 7.1.2.5	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	183		4.2.0	Rel-4	Correction to MAC conformance test 7.1.2.1.1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	184		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020142	34.123-1	185		4.2.0	Rel-4	General clarification of MAC testing conditions	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	186		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.8	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	187		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.5	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	188		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.4	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	189		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.3	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	190		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.2	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	191		4.2.0	Rel-4	Correction to test 7.2.3.12	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	192		4.2.0	Rel-4	Correction to test 7.2.3.18	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	193		4.2.0	Rel-4	Correction to test 7.2.3.4	approved	D	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	194		4.2.0	Rel-4	Correction to RLC test case 7.2.3.28	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	195		4.2.0	Rel-4	Clause 6; Updates to test cases for idle mode operations	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	196		4.2.0	Rel-4	Correction to clause 8.2 for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	197		4.2.0	Rel-4	Clarification of messages sequences in MM test case 9.4.1.	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	198		4.2.0	Rel-4	Correction to test cases 9.2.3 and 9.2.4	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	199		4.2.0	Rel-4	Update to CC test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	200		4.2.0	Rel-4	Removal of TC9.5.3 MM connection / establishment in non-security mode	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020142	34.123-1	201		4.2.0	Rel-4	Correction of layer 2 setting for TM RBs , segmentation indication	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	202		4.2.0	Rel-4	Clause 14: Update of radio bearer test cases 14.2.39.x and 14.2.40 (introducing new RB test method)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	203		4.2.0	Rel-4	Clause 14; Update of stand-alone signalling radio bearer test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	204		4.2.0	Rel-4	Correction of abbreviations reference	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	205		4.2.0	Rel-4	Correction to clause 8.2 except for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	206		4.2.0	Rel-4	Correction to clause 8.4 except for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	207		4.2.0	Rel-4	Correction to Annex.A of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	208		4.2.0	Rel-4	Addition of generic test procedure to Annex C of TS 34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	209		4.2.0	Rel-4	Additional test cases according to T1S-020098 Hard Handover	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	210		4.2.0	Rel-4	Additional test cases according to T1S-020099 State Transition	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	211		4.2.0	Rel-4	New test case for Incompatible Simultaneous Security Reconfiguration	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	212		4.2.0	Rel-4	New test case for Signalling Connection Release test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	213		4.2.0	Rel-4	Interfrequency Measurement for Events 2B and 2E – Correction to 8.4.1.25	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	214		4.2.0	Rel-4	Correction to HCS Cell Reseletion tests	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	215		4.2.0	Rel-4	Changes to radio bearer tests in clause 14.4 Combinations on SCCPCH	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	216		4.2.0	Rel-4	Section 8.3.1 Connection Mobility Procedure TDD	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020143	34.123-1	217		4.2.0	Rel-4	Test case for approved new bearers	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	218		4.2.0	Rel-4	Correction to clause 8.4 for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	219		4.2.0	Rel-4	Correction to clause 8.3 for Package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	220		4.2.0	Rel-4	Correction to clause 8.1 for package 1 of TS34.123-1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	221		4.2.0	Rel-4	Corrections to GMM test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	222		4.2.0	Rel-4	Corrections to SM test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	223		4.2.0	Rel-4	CR to clause 3.1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	224		4.2.0	Rel-4	Correction to RLC conformance test 7.2.2.1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	225		4.2.0	Rel-4	Correction to RLC conformance test 7.2.2.3	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	226		4.2.0	Rel-4	Correction to RLC conformance test 7.2.2.6	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	227		4.2.0	Rel-4	Correction to RLC conformance test 7.2.2.7	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	228		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.5	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	229		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.13	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	230		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.6	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	231		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.12	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	232		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.14	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020142	34.123-1	233		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.16	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	234		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.17	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	235		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.19	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	236		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.20	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	237		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.23	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	238		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.24	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	239		4.2.0	Rel-4	Conformance test 7.2.3.15	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	240		4.2.0	Rel-4	Clause 7.2.3.18 RLC test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	241		4.2.0	Rel-4	Clause 7.2.3.29 RLC test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	242		4.2.0	Rel-4	Clause 7.2.3.30 RLC test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	243		4.2.0	Rel-4	Clause 7.2.3.31 RLC test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	244		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.33	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	245		4.2.0	Rel-4	Update of package 2: RB test cases according to new ref RB test method	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	246		4.2.0	Rel-4	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (40 ms TTI) – Correction to 14.2.23c	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	247		4.2.0	Rel-4	Update of clause 8.3.2 URA Update to be applicable to 3.84 Mcps TDD and 1.28 Mcps TDD	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	248		4.2.0	Rel-4	New test for radio bearer	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020143	34.123-1	249		4.2.0	Rel-4	Correction of conformance requirement in test case 11.1.4.3(34.123-1)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020143	34.123-1	250		4.2.0	Rel-4	Correction in test case 11.4.1 Error cases(34.123-1)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	251		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.2	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	252		4.2.0	Rel-4	Correction to MAC conformance test 7.1.1.8	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	253		4.2.0	Rel-4	Correction to RLC conformance test 7.2.3.34	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020142	34.123-1	254		4.2.0	Rel-4	Correction to MAC conformance test 7.1.2.3.1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020145	34.123-1	255		4.2.0	Rel-5	Section 16.1.6 & 16.2.6: Addition of test of short message type 0 (CS/PS) Rel5	revised	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020164	34.123-1	255	1	4.2.0	Rel-5	Section 16.1.6 & 16.2.6: Addition of test of short message type 0 (CS/PS) Rel5	approved	F	5.0.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020145	34.123-1	256		4.2.0	Rel-5	Creation of 34.123-1 REL-5	approved	F	5.0.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020145	34.123-1	257		4.2.0	Rel-4	Inclusion of pointer to maintained specification	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020144	34.123-2	059		4.2.0	Rel-4	Update of applicability table for RRC Paging test case	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	060		4.2.0	Rel-4	Applicability for New RRC test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	061		4.2.0	Rel-4	Update of Table of Applicability of tests for RRC connection mobility procedure, 8.3.1 Cell Update for TDD (both modes)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	062		4.2.0	Rel-4	Update applicability table for new test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	063		4.2.0	Rel-4	Modifications of applicability table for MM test cases	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	064		4.2.0	Rel-4	Removal of TC9.5.3 MM connection / establishment in non-security mode	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

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TP-020144	34.123-2	065		4.2.0	Rel-4	Correction of applicability condition C17 in Table A.20:Aditional information	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	066		4.2.0	Rel-4	Update of applicability table for test case 11.1.4.3(34.123-2)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	067		4.2.0	Rel-4	Correction of applicability table for test case 11.1.4.1.2.3(34.123-2)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	068		4.2.0	Rel-4	Update to ICS for GMM	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	069		4.2.0	Rel-4	Update of Table of Aplicability of tests for RRC connection mobility procedure, 8.3.2 for TDD (both modes)	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	070		4.2.0	Rel-4	Correction of formal error in TS34.123-2v420/Table1	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020144	34.123-2	071		4.2.0	Rel-4	Corrections to R'4 RRC test cases applicability	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020146	34.123-2	072		4.2.0	Rel-5	Section 4, Table 1: Addition of test of short message type 0 (16.1.6 & 16.2.6) Rel5	revised	F		User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020165	34.123-2	072	1	4.2.0	Rel-5	Section 4, Table 1: Addition of test of short message type 0 (16.1.6 & 16.2.6) Rel5	approved	F	5.0.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020146	34.123-2	073		4.2.0	Rel-5	Creation of 34.123-2 REL-5	approved	F	5.0.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020146	34.123-2	074		4.2.0	Rel-4	Inclusion of pointer to maintained specification	approved	F	4.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020104	23.040	049	-	5.3.0	Rel-5	Clarification of bit value combinations within TP-PI	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	050	-	5.3.0	Rel-5	References to the TP-RD bit	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	051	-	5.3.0	Rel-5	TP-DCS values for SIM data download	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	052	-	3.8.0	R99	Clarification of the requirement for type 0 Short Messages	approved	F	3.9.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	053	-	4.6.0	Rel-4	Clarification of the requirement for type 0 Short Messages	approved	A	4.7.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	054	-	5.3.0	Rel-5	Clarification of the requirement for type 0 Short Messages	approved	C	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	055	-	5.3.0	Rel-5	Occurrence of the Reply Address Element	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2

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TP-020104	23.040	056	-	5.3.0	Rel-5	WVG Corrections and Clarifications	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	057	-	5.3.0	Rel-5	WVG Corrections and Clarifications	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	058	-	5.3.0	Rel-5	WVG Clarifications for websafe color	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	059	-	5.3.0	Rel-5	Add repeat and bouncing to Standard Animation for consistency with Simple Animation	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.040	060	-	5.3.0	Rel-5	Allow angle applied to special shape grid for consistency with other special shape elements	approved	F	5.4.0	Technical realization of Short Message Service (SMS)	T2
TP-020104	23.041	009	-	3.4.0	R99	Update of references	approved	F	3.5.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-020104	23.041	010	-	4.2.0	Rel-4	Update of references	approved	F	4.3.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-020102	23.057	118	-	5.0.0	Rel-6	Restructuring of the MExE-specification	approved	D	6.0.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-020105	23.140	065	-	5.2.0	Rel-5	Parameters for CDR creation related to VASP/VAS connectivity via MM7	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	066	-	5.2.0	Rel-5	Automatic Bearer Selection for MMS	approved	B	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	067	-	5.2.0	Rel-5	Charged Party Indication on MM7	approved	B	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	068	-	5.2.0	Rel-5	MM1 - MM7 and MM4 - MM7 header mapping	approved	B	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020158	23.140	069	-	5.2.0	Rel-5	MM7 stage 3	approved	B	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	070	-	5.2.0	Rel-5	Correction to MM7 Stage 2 on Address Visibility in Sender and Recipient IEs	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	071	-	3.0.1	R99	Encapsulation of a short message (SMS) in a multimedia message (MMS)	approved	F	3.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	072	-	4.6.0	Rel-4	Encapsulation of a short message (SMS) in a multimedia message (MMS)	approved	A	4.7.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	073	-	5.2.0	Rel-5	Encapsulation of a short message (SMS) in a multimedia message (MMS)	approved	A	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	074	-	5.2.0	Rel-5	MM1 and MM7 Interfaces: Message Distribution Indicator.	approved	B	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	075	-	5.2.0	Rel-5	Consistent terminology	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	076	-	5.2.0	Rel-5	Clarification of Persistent Network-based Storage: Store Status and Store Status Text throughout MM1 Reference Point	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	077	-	5.2.0	Rel-5	Alignment of 3GPP TS 23.140 with 3GPP TS 26.140	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	078	-	5.2.0	Rel-5	Binary Encoding of MMS Connectivity Information for storage on the USIM	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	079	-	5.2.0	Rel-5	Additional information elements for the MM1 abstract messages.	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

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TP-020105	23.140	080	-	5.2.0	Rel-5	Clarifications	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	081	-	5.2.0	Rel-5	Definition of Message Size in a CDR	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020105	23.140	082	-	5.2.0	Rel-5	Correction of incomplete/inconsistent MM4 interface responsibility allocation for delivery reports.	approved	F	5.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020103	27.005	003	-	3.1.0	R99	Correction in description of +CNMA	approved	F	3.2.0	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2
TP-020103	27.005	004	-	4.1.0	Rel-4	Correction in description of +CNMA	approved	A	4.2.0	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2
TP-020103	27.007	085	-	5.1.0	Rel-6	Enhancement of AT command +CIND to indicate SMS rejection	approved	B	6.0.0	AT command set for 3G User Equipment (UE)	T2
TP-020110	03.19	A018		8.3.0	R99	Clarification of MEProfile behaviour	approved	F	8.4.0	GSM API for SIM toolkit stage 2	T3
TP-020110	03.19	A019		8.3.0	R99	Correction of getSecuredDataOffset() method description for SMS-CB.	approved	F	8.4.0	GSM API for SIM toolkit stage 2	T3
TP-020167	11.11	A131	-	8.6.0	R99	The identifier of EFRPLMNAcT (RPLMN Last used Access Technology) is inconsistent within the specification	approved	F	8.7.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-020111	11.14	A210		8.10.0	R99	Correction of Terminal Response references	approved	F	8.11.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020111	11.14	A211		8.10.0	R99	Correction to OPEN CHANNEL for GPRS	approved	F	8.11.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020112	31.102	108		4.4.0	Rel-4	Essential clarifications and corrections	approved	F	4.5.0	Characteristics of the USIM Application	T3
TP-020112	31.102	109		5.0.0	Rel-5	Essential clarifications and corrections	approved	F	5.1.0	Characteristics of the USIM Application	T3
TP-020112	31.102	110		5.0.0	Rel-5	Handling of different sets of connectivity parameters and automatic bearer selection	approved	F	5.1.0	Characteristics of the USIM Application	T3
TP-020112	31.102	111		4.4.0	Rel-4	Handling of different sets of connectivity parameters and automatic bearer selection	approved	F	4.5.0	Characteristics of the USIM Application	T3
TP-020112	31.102	112		3.8.0	R99	CMI - Alignment with TS 11.11 R99	approved	F	3.9.0	Characteristics of the USIM Application	T3
TP-020112	31.102	113		4.4.0	Rel-4	CMI - Alignment with TS 51.011 REL-4	approved	F	4.5.0	Characteristics of the USIM Application	T3
TP-020112	31.102	114		5.0.0	Rel-5	CMI - Alignment with TS 51.011 REL-5	approved	F	5.1.0	Characteristics of the USIM Application	T3
TP-020113	31.111	065		4.6.0	Rel-4	Miscellaneous corrections	approved	F	4.7.0	USIM Application Toolkit (USAT)	T3
TP-020113	31.111	066		5.0.0	Rel-5	Miscellaneous corrections	approved	F	5.1.0	USIM Application Toolkit (USAT)	T3
TP-020113	31.111	067		3.7.0	R99	Correction to OPEN CHANNEL for GPRS	approved	F	3.8.0	USIM Application Toolkit (USAT)	T3
TP-020113	31.111	068		4.6.0	Rel-4	Correction to OPEN CHANNEL for GPRS	approved	F	4.7.0	USIM Application Toolkit (USAT)	T3
TP-020113	31.111	069		5.0.0	Rel-5	Correction to OPEN CHANNEL for GPRS	approved	F	5.1.0	USIM Application Toolkit (USAT)	T3
TP-020113	31.111	070		3.7.0	R99	Correction of PDP context description in Channel Status TLV	approved	F	3.8.0	USIM Application Toolkit (USAT)	T3
TP-020114	31.112	002		5.1.0	Rel-5	Removal of "session mode"	approved	F	5.2.0	USAT Interpreter Architecture Description; Stage 2	T3
TP-020115	31.113	009		5.2.0	Rel-5	Miscellaneous corrections and clarifications on the specification.	approved	F	5.3.0	USAT interpreter byte codes	T3

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TP-020115	31.113	010		5.2.0	Rel-5	Clarification of history management	approved	F	5.3.0	USAT interpreter byte codes	T3
TP-020115	31.113	011		5.2.0	Rel-5	Removal of ciphering of the One Time Password	approved	F	5.3.0	USAT interpreter byte codes	T3
TP-020115	31.113	012		5.2.0	Rel-5	Error on access to permanent variable	approved	F	5.3.0	USAT interpreter byte codes	T3
TP-020115	31.113	013		5.2.0	Rel-5	Clarification of the Terminal Response Handler Mechanism	approved	F	5.3.0	USAT interpreter byte codes	T3
TP-020115	31.113	014		5.2.0	Rel-6	Terminal Response Handler Modifier "remove" attribute enhancements	approved	B	6.0.0	USAT interpreter byte codes	T3
TP-020115	31.113	015		5.2.0	Rel-6	Addition of error handling	approved	B	6.0.0	USAT interpreter byte codes	T3
TP-020115	31.113	016		5.2.0	Rel-6	Addition of functionality for security plug-ins	approved	B	6.0.0	USAT interpreter byte codes	T3
TP-020115	31.113	017		5.2.0	Rel-5	Clarification of the Assign and Branch command	approved	F	5.3.0	USAT interpreter byte codes	T3
TP-020116	31.114	001		5.0.0	Rel-5	Clarification on the USAT Interpreter behaviour if the indicated access mode of a gateway originated message does not match with the tag in transport layer	approved	F	5.1.0	USAT interpreter protocol and administration	T3
TP-020116	31.114	002		5.0.0	Rel-5	Proof of Receipt management modification	approved	C	5.1.0	USAT interpreter protocol and administration	T3
TP-020117	31.121	006		3.1.0	R99	Correction of tests using EF (USIM Service Table)	approved	F	3.2.0	UICC-terminal interface; USIM application test specification	T3
TP-020117	31.121	007		4.0.0	Rel-4	Correction of tests using EF (USIM Service Table)	approved	F	4.1.0	UICC-terminal interface; USIM application test specification	T3
TP-020118	31.122	007		3.2.0	R99	General Corrections	approved	F	3.3.0	USIM conformance test specification	T3
TP-020118	31.122	008		3.2.0	R99	Removal of test for use of procedure byte '61xx' for case 2 commands	approved	F	3.3.0	USIM conformance test specification	T3
TP-020119	31.900	006		5.0.0	Rel-5	Extension of Annex C - SIM/USIM file mapping table	approved	F	5.1.0	SIM/USIM internal and external interworking aspects	T3
TP-020119	31.900	007		5.0.0	Rel-5	FDN and BDN interworking mechanism between GSM and 3G	approved	D	5.1.0	SIM/USIM internal and external interworking aspects	T3
TP-020119	31.900	008		5.0.0	Rel-5	Health warning concerning possibly different file IDs in SIM and USIM	approved	D	5.1.0	SIM/USIM internal and external interworking aspects	T3
TP-020120	43.019	013		5.2.0	Rel-5	Introduction of Concatenated Short Messages in SMS Point to Point.	approved	B	5.3.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020120	43.019	016		4.1.0	Rel-4	Clarification of MEProfile behaviour	approved	F	4.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020120	43.019	017		5.2.0	Rel-5	Clarification of MEProfile behaviour	approved	F	5.3.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020120	43.019	018		5.2.0	Rel-5	Approved CRs not correct integrated in the current version	approved	F	5.3.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020120	43.019	019		4.1.0	Rel-4	Correction of getSecuredDataOffset() method description for SMS-CB.	approved	F	4.2.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020120	43.019	020		5.2.0	Rel-5	Correction of getSecuredDataOffset() method description for SMS-CB.	approved	F	5.3.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3

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TP-020121	51.011	009		4.3.0	Rel-4	The EFCNL and EFDCK are missed in the Figure "Files identifiers and directory structures of GSM	approved	F	4.4.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020167	51.011	010	-	4.3.0	Rel-4	The identifier of EFRPLMNAcT (RPLMN Last used Access Technology) is inconsistent within the specification	approved	F	4.4.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version 02/06/21

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 06/12/02	45%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
1340	WG SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	WG SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1818	WG T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
1541	WG CN4	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	100%	No	No		Lead given to CN4 from CN...	
2310	TSG GERAN	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	TSG GERAN	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Fri 28/06/02	80%	No	No			
2324	TSG GERAN	Rel4	No	GERAN improvements 4 (Delayed TBF)	GEIMP4	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
1222	WG RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Mon 01/12/03	71%	No	No			G. Yang, CWTS
1322	WG SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	68%	No	No			Alexander Milinski, Siemens
1445	WG T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Tue 28/05/02	89%	Yes	Yes			
41003	WG T1	Rel4	No	Conformance testing of MExE capability (Feasibility study)		TSG	Tue 28/05/02	Tue 28/05/02	0%	No	No			
1631	WG SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
2230	WG CN1	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2403	TSG GERAN	Rel4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 28/06/02	75%	No	No			
2463	TSG CN	Rel4	No	Operator Determined Barring for Packet Oriented Services	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
2546	WG SA2	Rel4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	61%	No	No			Ina Widegren, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1993	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	100%	Yes	Yes		""""Joker"" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system"	
400002	TSG RAN	NA	Yes	Rel-4 Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 21/08/00	Fri 23/08/02	69%	No	No			Francois Courau
12	WG RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
1995	WG RAN3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
400004	WG CN4	NA	Yes	Rel-4 Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 23/03/01	100%	No	No		WI formulation assigned to N4	
859	WG CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1513	WG SA2	Rel4	No	FS on Transport and control separation in the PS CN domain		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
401216	TSG RAN	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	68%	No	No			
1509	WG RAN4	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			"T. Kummetz, Mikom; Alf Ahlström, Allgon"
1994	WG RAN1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			A. Toskala, Nokia
401839	WG T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	31%	No	No			
2214	WG T1	Rel4	No	Testing DSCH power control improvement in soft handover			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
400009	TSG RAN	NA	Yes	Rel-4 RAN improvements	RANimp	TSG	Mon 14/08/00	Mon 03/03/03	46%	No	No			
655	WG RAN1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	WG RAN2	Rel4	No	RAB support enhancement for Rel-4	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	M. Israelsson, A. Krishnarajah, Ericsson
402102	WG T1		No	Conformance Test Aspects - Rel-4 RAN Improvements			Tue 01/01/02	Mon 03/03/03	0%	No	No	0%		
402461	WG T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression	RABimp-RoCH	TSG	Tue 28/05/02	Mon 03/03/03	0%	No	No		UID changed	
401652	WG CN1	NA	Yes	Rel-4 Emergency call enhancements	EMC1	WG	Mon 03/01/00	Tue 28/05/02	64%	Yes	No			Mr Rouzbeh, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1654	WG CN1	Rel4	No	For CS based calls	EMC1-CS	TSG	Mon 03/01/00	Tue 28/05/02	64%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson
401826	WG T2	NA	Yes	Rel-4 Terminal interfaces	TI		Mon 03/01/00	Thu 15/03/01	87%	No	No			
1827	WG T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	71%	No	No	27.007		
1829	WG T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Wed 14/03/01	100%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	WG T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	WG T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
401536	WG SA2	NA	Yes	Rel-4 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/12/01	99%	No	No			Jan Kall, Nokia
2229	WG T2	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	WG SA2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	WG SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	100%	No	No			
401600	TSG RAN	NA	No	UE positioning Rel-4	LCS1-UEpos	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	Yes		UID changed	
1601	WG RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IublIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	WG RAN2	Rel4	No	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 23/03/01	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
401560	WG T3	NA	Yes	Rel-4 UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 23/03/01	100%	No	No			
1799	WG T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
401800	WG T3	NA	Yes	Rel-4 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No		UID changed	
2034	WG T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1587	WG SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	34%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?	?

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1588	WG SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?
401583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
401142	WG SA5	NA	No	Rel-4 Charging and OAM&P	OAM	TSG	Fri 01/12/00	Fri 05/10/01	100%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2089	WG SA5	Rel4	No	Rel4 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	WG SA5	Rel4	No	Rel4 Performance Management	OAM-PM	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	az: WID appr.SA#12.	Karl-Heinz NENNER (T-Mobil)
2081	WG SA5	Rel4	No	Fault Management	OAM-FM	TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4	az: WID appr.SA#10.	Patrick JURÉ (Lucent Technologies)
2082	WG SA5	Rel4	No	Configuration Management	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8	az: WID appr.SA#10.	Thomas TOVINGER (Ericsson)
2083	WG SA5	Rel4	No	Rel4 Charging Management	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz NENNER (T-Mobil)
2071	WG SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800	az: WID appr.SA#10.	Bert Boden (Mannesmann Mobilfunk)

Annex H: Definition of Release 5, extracted from the Project Plan - version 02/06/21

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	TSG RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Fri 29/03/02	100%	No	No			Francois Courau
625	WG RAN3	Rel5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 29/03/02	100%	Yes	Yes			Nicolas Drevon, Alcatel
4	WG CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 12/03/01	Fri 21/12/01	100%	No	No		WI formulation assigned to N4	
2455	WG CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	WG RAN2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Wed 04/12/02	83%	No	No			Ravi Kuchibhotla, Motorola
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	39%	No	No			
1470	WG RAN1	Rel5	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Tue 03/12/02	0%	Yes	Yes		RP-020389	Nokia (Antti Toskala)
1471	WG RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	76%	Yes	Yes			A. Toskala, Nokia
2469	WG RAN1	Rel5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jaeyoel KIM, Samsung
2471	WG RAN1	Rel5	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Tue 03/12/02	0%	No	No		RP-020446	Robert Love, Motorola
1506	WG RAN1	Rel5	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Tue 03/09/02	31%	Yes	Yes		RP-020358	Antti Toskala, Nokia Networks
1221	WG RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
1997	WG RAN4	Rel5	No	FS on UE antenna efficency test method performance requirements	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2494	WG RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson
24001	WG RAN4	Rel5	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 14/03/03	40%	No	No			Andrea Casini, Tekmar Sistemi
2493	WG RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 08/03/02	100%	No	No			Shimon Moshavi, Intel
21000	WG RAN1	Rel5	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RnImp-IfIsMLCR	TSG	Fri 14/12/01	Tue 03/09/02	30%	No	No		RP-020374	Li Xiao Qiang, SAMSUNG
1839	WG T1		No	Conformance Test Spec. improvements in Radio Interface			Mon 18/02/02	Fri 30/08/02	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2210	WG T1	Rel5	No	Testing improvement of inter-frequency and inter-system measurement			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
2211	WG T1	Rel5	No	Testing Hybrid ARQ II/III			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
9	TSG RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 21/08/00	Mon 30/06/03	55%	No	No			
656	WG RAN3	Rel5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Fri 28/06/02	87%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
2488	WG RAN3	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2489	WG RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Gert-Jan van Lieshout, Ericsson
2490	WG RAN3	Rel5	No	Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	90%	No	No			Antti Toskala, Nokia
2491	WG RAN3	Rel5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Antti Toskala, Nokia
23003	WG RAN3	Rel5	No	SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Fri 28/06/02	61%	No	No			Olivier Guyot, Nokia
22000	WG RAN2	Rel5	No	RAB support enhancement for Rel-5	RANimp-RABSE5	TSG	Mon 02/04/01	Fri 28/06/02	100%	No	No		RFC 3095 context relocation	Juha Mikola, Nokia
1680	TSG RAN	Rel5	No	Header compression removal/stripping in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
1686	TSG RAN	Rel5	No	Unequal error protection in PS domain in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
21001	WG RAN1	Rel5	No	Beamforming requirements for UE	RANimp-BFR-UE	TSG	Fri 21/09/01	Fri 14/12/01	100%	No	No			Jussi Kähtävä, Nokia
20999	WG RAN1	Rel5	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 14/12/01	Tue 03/12/02	40%	No	No		RP-020357	Jussi Kähtävä, Nokia
21002	WG RAN1	Rel5	No	Support of Site Selection Diversity Transmission in UTRAN	RANimp-SSDT	TSG	Fri 14/12/01	Tue 04/06/02	100%	No	No		RP-020356	NEC
2472	WG RAN1	Rel5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jinling HU, CWTS/CATT
1273	WG SA1	NA	No	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Fri 27/12/02	57%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
1274	WG SA2	Rel5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 14/06/02	99%	No	No			Liz Daniel, Lucent
1298	WG SA3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	34%	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist	Krister Boman, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
2574	WG SA3	Rel5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	85%	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15. Some editor's notes remain.	Hugh Shieh, AT&T Wireless Services	h
35007	WG SA5	Rel5	No	Charging and OAM&P for IMS	IMS-OAM	TSG	Mon 25/12/00	Wed 12/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)	" M
2036	WG SA4	Rel5	No	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	TSG	Wed 26/07/00	Fri 06/12/02	63%	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia	p
34020	WG SA4	Rel5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia	
32003	WG SA2	Rel5	No	SIP message compression			Mon 24/09/01	Fri 07/06/02	56%	No	No				
10001	TSG CN	Rel5	No	Stage 3 description of IMS interfaces			Wed 14/03/01	Fri 07/06/02	94%	No	No				
1310	WG CN5	Rel5	Yes	Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)	IMS-ONOSA	TSG	Fri 21/09/01	Fri 07/06/02	100%	Yes	Yes	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)	A
12000	WG CN2	Rel5	Yes	CAMEL control of IMS services	IMS-CAMEL		Mon 16/04/01	Fri 06/09/02	60%	Yes	Yes		DAB 12/12/01	Angelica Remoquillo, Lucent	
35005	WG SA5	Rel5	No	Charging	OAM-CH	TSG	Mon 06/08/01	Thu 12/09/02	70%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)	
10002	TSG CN	Rel5	No	Other IETF depencies			Fri 24/11/00	Fri 07/06/02	70%	No	No		Was introduced at SA#13 by Ileana Leuca (exact position in the WP and related WG have to be defined)		
1913	MLST	Rel5	No	Start Testing			Mon 18/03/02	Mon 18/03/02	0%	No	No				
34001	WG SA4	Rel5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Thu 21/06/01	Fri 06/12/02	37%	No	No	26.233, 26.234		O. Franceschi, Ericsson	o
1637	WG SA1	NA	Yes	OSA enhancements for Rel-5	OSA1	TSG	Tue 11/07/00	Fri 13/12/02	86%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG	
1429	WG SA2	Rel5	No	OSA APIs for Multimedia Call Control	OSA1-CSCF	TSG	Tue 11/07/00	Fri 07/06/02	100%	No	No		For Rel5 even if completed by March		
15003	WG CN5	Rel5	No	Generic user interaction - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-05			
15004	WG CN5	Rel5	No	Charging - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-12			
15007	WG CN5	Rel5	No	"Call Control Service Mapping; Multiparty Call Control SIP - Stage 3"	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.998-04-4			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
15999	WG CN5	Rel5	No	WSDL APIs for SOAP/HTTP - Stage 3	OSA2	TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No	29.198, 29.998			
1419	WG SA3	Rel5	No	OSA security	OSA1-SEC	TSG	Tue 11/07/00	Fri 14/06/02	64%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT	c
401424	WG SA2	Rel5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	96%	No	No				
1786	WG SA1	Rel5	No	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG	
1638	WG SA1	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 17/04/00	Fri 14/06/02	100%	No	No			Keijo Palviainen, Nokia	k
2464	WG T2	Rel5	No	Rel-5 MExE enhancements	MEXE5	TSG	Mon 26/03/01	Fri 08/03/02	100%	Yes	Yes				
1625	WG SA4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Mon 02/12/02	69%	No	No			Imre Varga, Siemens AG	I
1826	WG T2	NA	Yes	Terminal interfaces	TI		Mon 14/05/01	Wed 20/03/02	100%	No	No				
2573	WG T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	No	Yes	23.227		Olga Tomé, Ericsson	O
1536	WG SA2	Rel5	No	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Mon 30/06/03	40%	No	No			Jan Kall, Nokia	
1600	TSG RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 28/08/00	Mon 30/06/03	41%	Yes	Yes				
2474	WG RAN2	Rel5	No	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	Mon 09/04/01	Fri 29/03/02	100%	No	No			Xiaohua Mei, CATT	
2125	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm	
1171	WG SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	88%	No	No				
2436	TSG GERAN	Rel5	No	Location Services for GERAN in A/Gb Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 08/02/02	100%	No	No				
2442	TSG GERAN	Rel5	No	Location Services for GERAN in Iu Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 28/06/02	41%	No	No				
35008	WG SA5	Rel5	No	Charging and OAM&P for LCS enhancements	LCS1-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)	" M
521	WG SA3	Rel5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	15%	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia	v
32011	WG SA2	Rel5	No	Specification for the Le Interface	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	100%	No	No				

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 26/09/03	45%	No	No				
1801	WG T3	Rel5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Wed 22/01/03	64%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	Michael Meyer, G & D	
1802	WG T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 27/09/02	45%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan		
2031	WG T3	Rel5	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	36%	Yes	Yes				
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 06/12/02	45%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone	P
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing		
1594	WG SA3	Rel5	No	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom	S
1576	WG SA3	Rel5	Yes	Network domain security	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/06/02	54%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP	Geir M. Køien, Telenor	G
1142	WG SA5	NA	No	Charging and OAM&P	OAM	TSG	Mon 10/09/01	Thu 12/09/02	73%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)	" M
35002	WG SA5	Rel5	No	Rel5 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Mon 17/09/01	Fri 28/06/02	100%	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola)	M
35003	WG SA5	Rel5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Thu 12/09/02	75%	No	No	32.4xy, 52.402	az: Changed Rapporteur	Christian TOCHE (Nortel Networks)	t
35004	WG SA5	Rel5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Thu 12/09/02	68%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)	K
35001	WG SA5	Rel5	No	Rel5 Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Thu 12/09/02	55%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson)	T
2243	WG SA2	Rel5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	TSG	Mon 03/01/00	Fri 28/06/02	67%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson	
2320	TSG GERAN	Rel5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Fri 06/04/01	Fri 28/06/02	9%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	Alain Ohana, BellSouth	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
2392	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 1 (RLC enhancements)			Mon 06/11/00	Fri 28/06/02	42%	No	No				
2396	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 2 (usage of ECSD)			Mon 06/11/00	Fri 28/06/02	41%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson	
2412	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GERUEV1		Fri 01/09/00	Fri 28/06/02	68%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC	
2416	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	GERUEV2		Fri 01/09/00	Fri 28/06/02	14%	No	No				
2520	WG SA5	NA	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 28/06/02	100%	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone)	jo
35000	WG SA5	Rel5	No	FS on User Equipment (UE) Management	OAM-UEM	TSG	Thu 21/06/01	Fri 28/06/02	100%	No	No	32.802		John Mudge (Vodafone)	jo
2556	WG SA2	Rel5	No	End to End QoS for PS Domain including IMS	E2EQoS	TSG	Mon 28/08/00	Fri 28/06/02	92%	No	No			Johnson Oyama, Ericsson	J
2569	WG T2	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 07/06/02	70%	No	Yes		support of UAProf, so this in my opinion is 100% complete		
2571	WG T2		No	Multimedia Messaging (MMS) enhancements	MESS5-MMS	TSG	Fri 15/06/01	Fri 07/06/02	66%	No	Yes			Josef Laumen, Siemens	J
31000	WG SA1	Rel5	No	Definition of service requirements	MESS5-SR		Fri 15/06/01	Fri 15/03/02	90%	No	No	22.140		Josef Laumen, Siemens	J
50001	TSG GERAN	Rel5	No	GERAN Inter BSC NACC improvements over the Gb Interface	GERNACC		Mon 03/09/01	Fri 28/06/02	73%	No	No				
50033	TSG GERAN	Rel5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 28/06/02	2%	No	No				
50037	TSG GERAN	Rel5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 28/06/02	0%	No	No				
50058	TSG GERAN	Rel5	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 19/04/02	Fri 28/06/02	0%	No	No			Gunnar Mildh, Ericsson	g
13000	WG CN3	Rel5	No	Service Change and UDI Fallback	SCUDIF	WG	Mon 08/10/01	Fri 07/06/02	100%	No	No	29.007, 27.001, 24.008	[DAB - 17/05/02] - % complete to 100% - push end to June 02, (will be complete with approval of CRs in NP#16)	Rune Werner Wiik, Ericsson AS	R
30001	Generic	Rel5	No	small Technical Enhancements and Improvements for Rel5	TEI5	TSG	Mon 25/12/00	Fri 22/03/02	100%	Yes	Yes		""""Joker"" WI, to be used for a Rel 5 CR not related to any feature and with very limited impact on the system"		
31013	WG SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Mon 22/04/02	Mon 19/08/02	0%	No	No			Sanjay Gupta, Motorola	s
31021	WG SA1	Rel5	No	Technical Report	UESPLIT-TR		Thu 30/05/02	Thu 30/05/02	0%	No	No			Sanjay Gupta, Motorola	s

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
401571	WG SA3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	77%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone	P
401583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing		
401594	WG SA3	Rel5	No	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom	S

Annex I: Current content of Release 6, extracted from the Project Plan - version 02/06/21

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	39%	No	No			
2468	WG RAN1	Rel6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 11/03/03	30%	No	No		Status report: RP-020429	Howard Huang, Lucent
24003	WG RAN4	Rel6	No	FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	TSG	Fri 21/09/01	Wed 04/12/02	37%	No	No			Peter Ståhlfjäll, Ericsson
24004	WG RAN4	Rel6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 06/12/02	60%	No	No			Shimon Moshavi, Intel
24005	WG RAN4	Rel6	No	FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/12/02	0%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
9	TSG RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 21/08/00	Mon 30/06/03	55%	No	No			
23005	WG RAN3	Rel6	No	Improvement of RRM across RNS and RNS/BSS	RRM1		Mon 25/03/02	Wed 22/01/03	0%	No	No			Woonhee Hwang, Nokia
1652	WG CN1	Rel6	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Fri 28/03/03	16%	Yes	No			Mr Rouzbeh, Ericsson
1653	WG CN1	Rel6	No	For IP & PS based calls	EMC1-PS	TSG	Mon 03/01/00	Fri 28/03/03	16%	Yes	Yes		5/11 Per: This BB is considered between 10-60% ready depending on how the requirements differ from basic call. What is the new target release,-Rel-6?	Mr Rouzbeh, Ericsson
1637	WG SA1	NA	Yes	OSA enhancements for Rel-5	OSA1	TSG	Tue 11/07/00	Fri 13/12/02	86%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
1433	WG SA2	Rel6	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Tue 11/07/00	Fri 13/12/02	76%	No	No			
15005	WG CN5	Rel6	No	Policy Management - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-13		
15006	WG CN5	Rel6	No	Presence and Availability Management (PAM) - Stage 3	OSA2	TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-14		
2538	WG SA1	NA	No	Interaction with other features		TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2539	WG SA1	Rel6	No	Access to Presence information	OSA1-PI	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2540	WG SA1	Rel6	No	Access to User Profile	OSA1-UP	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2541	WG SA1	Rel6	No	Policy Management	OSA1-PM	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
1536	WG SA2	Rel5	No	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Mon 30/06/03	40%	No	No			Jan Kall, Nokia
1600	TSG RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 28/08/00	Mon 30/06/03	41%	Yes	Yes			
2475	WG RAN2	Rel6	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 12/10/01	59%	No	No			Antti Toskala, Nokia
32023	WG SA2	Rel6	No	Location Services enhancements 2	LCS2	TSG	Mon 04/06/01	Fri 10/01/03	4%	No	No			
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 06/12/02	45%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2026	WG SA3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 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, Vodafone
33003	WG SA3	Rel6	Yes	Rel-6 MAP application layer security	SEC1-MAPAL	TSG	Mon 21/02/00	Fri 06/12/02	25%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
32021	WG SA1	Rel6	No	IMS Phase 2			Mon 28/08/00	Fri 28/03/03	45%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
32015	WG SA2	Rel6	No	Radio optimisation impacts on PS domain architecture		TSG	Mon 10/12/01	Fri 14/06/02	5%	No	No			
2048	WG CN3	Rel6	No	Interworking between IMS and IP networks	IMS-CCR-IWIP	TSG	Mon 28/08/00	Fri 28/03/03	34%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
32005	WG SA2	Rel6	No	IMS Local services			Mon 01/01/01	Fri 29/03/02	100%	No	No	23.228		
13011	WG CN3	Rel6	No	Mm interface (CSCF to external IP multimedia network)			Wed 14/03/01	Fri 21/03/03	48%	No	No			
13013	WG CN3	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Fri 20/12/02	62%	No	No			
14002	WG CN1	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Fri 07/06/02	100%	No	No			
14001	WG CN4	Rel6	Yes	Mc interface (IM-MGW to MGCF) enhancements			Mon 03/06/02	Fri 27/12/02	0%	No	No		[DAB 08-03-02] - No work required in CN4...	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
31022	WG SA1	Rel6	No	IMS Messaging (part of IMS2?)	IMSM	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No			Juha Kalliokulju (Nokia)
31025	WG SA1	Rel6	No	IMS Group Management (part of IMS2?)	IMSGM	TSG	Thu 14/03/02	Mon 09/12/02	0%	No	No			Juha Kalliokulju (Nokia)
1365	WG SA1	Rel6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 14/06/02	53%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
42005	WG T2	Rel6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Mon 07/07/03	10%	No	Yes			
2062	WG SA5	Rel6	No	Subscription Management	SM	TSG	Fri 29/12/00	Fri 20/12/02	40%	No	Yes	32.140 (Stage 1)	az: SA#15 - Moved to Rel-6 as Stage 2/3 not avail & linkage to GUP which is also moved to Rel-6.	Geoffrey CARYER (BT)
2499	WG SA1	Rel6	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Thu 12/12/02	34%	No	No			Mark Cataldo, Motorola
31028	WG SA1	Rel6	No	Presence Service Enhancements	PRES1	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No	22.141	SA1 to clarify why Presence and Presence enhancements are both be in same release	Mark Cataldo (Openwave Systems)
2527	WG SA2	Rel6	No	Emergency calls without UICC/SIM in netw. with IMS			Mon 18/03/02	Fri 14/03/03	0%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)	
50041	TSG GERAN	Rel6	No	Uplink TDOA feasibility study	TDOAF		Fri 30/11/01	Fri 28/06/02	75%	No	No			Bob Gross, TruePosition, Inc.
35009	WG SA5	Rel6	No	Trace Management	Trace Mg	TSG	Thu 15/11/01	Fri 20/12/02	20%	No	No	32.42x, 52.008	az: SA#16 - Moved to Rel-6. WI approved (Feature->BB). Changed Rapporteur/Impacted TSs.	Christian TOCHE (Nortel Networks)
2544	WG SA1	Rel6	No	Multimedia Broadcast and Multicast Service	MBMS		Fri 11/05/01	Tue 30/09/03	32%	No	No		Title renamed at SA#13	
31006	WG SA1	Rel6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Fri 14/03/03	23%	No	No			
31008	WG SA1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 10/06/03	27%	No	No			
31010	WG SA1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Mon 03/03/03	17%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	WG SA1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Wed 25/12/02	49%	No	No			Fredric Paint, Telenor
31015	WG SA1	Rel6	No	Priority Service	PRIOR		Thu 30/05/02	Fri 14/06/02	38%	No	No			
31018	WG SA1	Rel6	No	Network Sharing	NTShar		Wed 14/11/01	Fri 14/06/02	10%	No	No			
31013	WG SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Mon 22/04/02	Mon 19/08/02	0%	No	No			Sanjay Gupta, Motorola
32016	WG SA2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 22/04/02	Mon 19/08/02	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
32017	WG SA2	Rel6	No	Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 22/04/02	Mon 19/08/02	0%	No	No			
33002	WG SA3	Rel6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Thu 12/09/02	0%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
15010	WG SA1	Rel6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 14/03/02	Fri 20/12/02	4%	No	No	22.127, 29.198, 29.998	.	Jörg Swetina, SIEMENS AG
23004	WG RAN3	Rel6	No	Shared Network support in connected Mode	NETSHARE		Mon 03/12/01	Wed 03/07/02	0%	No	No			Martin Israelsson, Ericsson

Annex J: Work Items Currently marked as "Release Independent" in the Project Plan - version 02/06/21

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1517	WG SA2	Rel Indep	No	Global Text Telephony	GTT	TSG	Wed 28/06/00	Thu 29/08/02	75%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson
1861	WG T1	NA	Yes	Miscelleneous UE Conformance Testing Activities	MISTST1		Mon 02/04/01	Mon 03/03/03	42%	No	No			
1862	WG T1	Rel Indep	No	Optimisation of Test Time, RF Aspects (FDD)	MISTST1-OpFDD	TSG	Mon 24/09/01	Mon 03/03/03	70%	No	No	34.121	It is believed that the current R99 test spec. can be optimised for faster overall test times	
1863	WG T1	Rel Indep	No	Optimisation of Test Time, RF Aspects (TDD)	MISTST1-OpTDD	TSG	Mon 24/09/01	Mon 03/03/03	70%	No	No	34.122	It is believed that the current R99 test spec. can be optimised for faster overall test times	
401216	TSG RAN	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	68%	No	No			
1996	WG RAN4	Rel indep	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	100%	Yes	Yes			H. Benn, Motorola
2467	WG RAN4	Rel indep	No	UMTS 1900	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 14/12/01	100%	No	No			Howard Benn, Motorola
401839	WG T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	31%	No	No			
2215	WG T1	Rel indep	No	Testing UMTS 1800	RInImp-UMTS18-19	TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
41000	WG T1	Rel indep	No	Testing UMTS 1900	RInImp-UMTS18-19	TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
2561	WG T1	Rel indep	No	Testing UMTS 1800 - TTCN	RInImp-UMTS18-19	TSG	Mon 17/06/02	Fri 14/03/03	0%	No	No	34.123-3	finish date set	
41001	WG T1	Rel indep	No	Testing UMTS 1900 - TTCN	RInImp-UMTS18-19	TSG	Mon 17/06/02	Fri 14/03/03	0%	No	No	34.123-3	finish date set	