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Contents

1 Opening of the meeting

The Vice Chairman, Mr. Gary Jones welcomed delegates to the 11th meeting of 3GPP TSGs, on behalf of the meeting hosts, the North American Friends of 3GPP, and provided the domestic arrangements for the meeting. A social event had been arranged for the evening of 19 March 2001. He then wished TSG SA a successful meeting.

2 Approval of the Agenda and report

2.1 Approval of the Agenda

The Chairman, Mr. Niels Peter Skov Andersen opened the meeting and introduced the draft agenda, provided in TD SP-010001 which was approved without change.

The Chairman reminded delegates of the need to declare any essential Intellectual Property Rights (IPRs) that they may hold, related to the work programme and systems of 3GPP, to their respective Partner SDO.

2.2 Approval of the meeting report of TSG-SA Meeting # 10

TD SP-010002 The report of the last meeting was approved without change.

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

The election of the TSG officials was required at this meeting, according to the 3GPP Working Procedures. Only 1 candidate had been provided for the TSG SA Chairmanship, in TD SP-010138. No further nominations were received and therefore **Mr. Niels Peter Skov Andersen was re-elected by acclamation as Chairman of TSG SA** for a further 2-year period.

There were 4 candidatures for the 2 Vice Chairman posts, provided in TD SP-010139 " Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Gary Jones", TD SP-010140 "Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Hiroshi Nakamura", TD SP-010141 "Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Armin Toepfer" and TD SP-010142 "Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Remi Thomas". No further candidatures were submitted at the meeting and the first round of elections for the first VC position were scheduled for 20 March 10.00, and the first round of elections for the second VC position on Wednesday 21 March.

The Chairman outlined the rules for election voting, given in the 3GPP Working Procedures.

Results of elections:

Vice Chairman elections, Position A, First round:

Remi Thomas	4.5%
Armin Toepfer	19.1%
Hiroshi Nakamura	35.9%
Gary Jones	40.5%

There were 90 votes cast of which there was 1 void vote.

For this Position, Mr. Remi Thomas and Mr. Armin Toepfer withdrew from the second round election. The second round therefore had 2 candidates, Mr. Gary Jones and Mr. Hiroshi Nakamura. As there were only 2 candidates, the second round election would be determined by simple majority of valid votes.

Vice Chairman elections, Position A, Second round:

Hiroshi Nakamura	58.1%
Gary Jones	41.9%

There were 75 votes cast of which there was 1 abstention.

Hiroshi Nakamura was therefore elected as Vice Chairman of TSG SA.

Vice Chairman elections, Position B, First round:

Remi Thomas	18.7%
Armin Toepfer	30.8%
Gary Jones	50.5%

There were 92 votes cast of which there was 1 abstention.

For this Position, Mr. Remi Thomas and Mr. Armin Toepfer withdrew from the second round election. Therefore, Mr. Gary Jones was confirmed as elected Vice Chairman.

Mr. Gary Jones was therefore elected as Vice Chairman of TSG SA.

The final results of the elections were provided in TD SP-010200 "Election of 3GPP TSG Chairmen and Vice Chairmen". These proposals for Official Posts will be forwarded to the PCG for endorsement. **Mr. Akio Susaki reported that an empowered PCG ad-hoc group had already considered the TSG Officials appointments and endorsed the proposed Chairmanships.**

4 Items for immediate consideration

TD SP-010162 3GPP Future Evolution. This was introduced by Nokia, who propose to host a 3GPP Future Evolution Workshop to concentrate on topics beyond Release 5 with a 2-4 year scope. The proposed date was for week 43 (e.g. 24-25 October). A more detailed proposal and details on the expected results was requested. Nokia responded that this could be elaborated when the Release 5 content is stabilised (i.e. after the June 2001 TSG SA meeting). It was proposed that this workshop should take into account any discussions in SA WG1 between now and October. It was noted that the proposed date coincides with the GSMA Plenary, and another date should be considered. This was returned to under agenda item 8.10.

5 Reports from TSG SA ad-hoc meetings

TD SP-010009 Draft report of 3GPP TSG SA workshop on UE in idle mode. This report was presented by the Workshop Chairman and Secretary, Mr. Niels Peter Skov Andersen. The workshop performed a review of the PLMN Selection/Cell Selection and Handovers from a requirements and functional viewpoint. A number of small discrepencies were identified between the specifications, including search order in 23.122 which did not agree with the RAN/GERAN specifications and was not optimised for search time. The scenario for the use of more than one MCC+MNC PLMN code for a single PLMN was considered and a number of proposals were provided. It was agreed that the concept of the background scan is to be performed when the UE has no other important task to perform. RAN WG2 was asked to check if the situations where the UE is connected in URA_PCH State and CELL_PCH state can be included in the cases where the background scan for HPLMN or higher priority preferred PLMN are performed. It was agreed to suggest to TSGs to include this as an essential correction in Release 1999. CRs introducing this functionality into relevant specifications were also provided attached to the Report. This is reported under agenda item 7.1.3.

TD SP-010171 LCS Workshop Report. This was presented by Mr. Armin Toepfer. The results had already been endorsed by TSG SA and the report was provided for information. The report was noted and Mr. Toepfer was thanked for chairing this workshop.

6 Letters / Reports from other groups

6.1 TSG-T, TSG-CN, TSG-RAN

TD SP-010011 Liaison statement from TSG CN on 3GPP-3GPP2 Inter-system roaming. This had been discussed in SA#10 meeting (TD SP-000638) and was therefore noted.

TD SP-010075 LS on 3GPP Vocabulary document TR21.905 (R4-010451). It was noted that the WGs are expected to check and update this document on an ongoing basis. It was reported that the RAN ITU ad hoc group had agreed to update references to 21.905 in their ITU-R documentation set. This was then handed over to SA WG1, and the **Rapporteur was asked to include this in the next update to 21.905**.

TD SP-010004 LS from CN WG1: LS on Problem with GPRS and Roaming. This was provided for information and was noted. It was reported that SA WG1 had produced a CR to 22.011 on this subject.

TD SP-010005 LS from CN WG1: LS on PLMN Selection and Re-selection Issues. This was provided for information and was noted. Further information can be found in the PLMN Selection (UE in odle-mode) meeting Report (TD SP-010009).

TD SP-010006 LS from RAN WG3: Feedback on UTRAN OAM Procedures Work Item. This was provided for information and was noted. The SA WG5 Chairman reported that the issues had been resolved with RAN WG3 who were reviewing the requirements to ensure alignment of their work.

TD SP-010127 (Proposed LS) - Response LS on Periodic Network selection attempt - Reply to S1-010231/N1-010340. This was provided for information and presented by the SA Chairman. The need for further CRs that SA WG1 would need to consider needed to be identified. It was commented that also non-US countries could benefit from this functionality and it should be considered by operators. The LS was then noted. The Chairman reported that ITU-T Recommendation E.212 had been updated to remove it's Annex A,

on Mobile Country Codes, which now only appeared to be available in an ITU Operational Bulletin.

6.2 Partners and their bodies

TD SP-010012 Letter from GSM North America: Location Services Functionality in 3GPP Specifications. This had been dealt with in SA meeting#10 (SP-000470), which led to the set-up of the LCS Workshop and was therefore noted.

6.3 Others

TD SP-010003 LS from ECMA TC32: New ECMA QSIG Standard on Short Message Service (SMS) in a Private Network (PISN). ECMA invited TSG SA members to comment on the SMS draft before the next ECMA TC32-TG14 meeting (26 - 27 March 2001). It was clarified that ECMA are responsible for Private Networks and that they would like compatibility with the GSM/3GPP-based SMS functionality. The LS was noted and interested delegates were asked to contribute and comments to ECMA. **SA WG1 and T WG2 were asked to consider this document, via the SA WG1 and T WG2 e-mail lists, for quick response**.

TD SP-010078 Request for information for proposed ITU-T Technical Report being developed by the special study group on “IMT-2000 and beyond”. It was agreed that an answer to the issues raised should be produced by a drafting group (possible the CN ITU-T ad-hoc group), after the PCG meeting, where additional information can be obtained from the ITU representative. Any response should be provided to TSG SA meeting #12 for consideration.

TD SP-010077 Request for information for proposed ITU-T Recommendations being developed by the special study group on “IMT-2000 and beyond”. This requests information on standards/specifications from 3GPP in order that the proposed draft new recommendations may reflect the latest IMT-2000 standards and specifications from all relevant standards organizations. An initial response was requested by the end of April 2001. A draft reply was produced by Mr. Hiroshi Nakamura in TD SP-010204 which was agreed as a proposed response. The TSG SA Chairman agreed to take this to the PCG for communication to the ITU.

TD SP-010126 IMEI format and structure changes. This letter to the SA WG1 Chairman reports that the GSM TWG had analysed the need for an IMEI format change for 3GPP use. Based on estimates of future requirements from both the manufacturers and operators it was the considered opinion of the group that there is sufficient numbers available with a small change to the format of the existing 16 digit numbering system. It was clarified that this work had been provoked by the lack of regulation on the use of IMEI, and that there is a danger of duplication of IMEI allocations, unless there is a unified allocation procedure agreed. TW.06 was requested, in order to see what the small change to IMEI format was, it was reported that this information should be available in TS 23.003. The document was therefore noted and delegates asked to consider the impact of the changes to the IMEI format.

It was later reported by Mr. Toepfer that there was no official report on the calculations made for IMEI format requirements as this had been a "black-board" exercise, and the reference to TW.06 had been an error in the contribution.

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-010034 Status report from SA WG1 to SA#11. This was presented by Kevin Holley, the newly elected SA WG1 Chairman, using the slides in TD SP-010033. The issues raised and approval of output were dealt with under agenda items 7.1.2. and 7.1.3. The report was noted and the Chairman thanked for his work.

It was reported that Push Services had been discussed in SA WG1, and information sent to SA WG2, so work was ongoing. The general coordination of the order of work (Requirements before Technology work) was raised, even though the 3GPP is split into separate TSGs. SA WG1 had sent Push services requirements to SA WG2 at their last meeting.

It was noted that 02.07 update allowed roaming between countries with the same service provider could lead to confusion to the user on which numbering system he/she is in.

7.1.2 Questions for advice from TSG-SA WG1

TD SP-010035 LS to SA on IM Emergency Call without USIM. This was dealt with along with TD SP-010057 CR to 22.101 on Clarifications on IMS emergency call support. The LS reports that *“It shall be possible for Release 5 to enable compliance with regional regulatory requirements for emergency services. This may include the need to support SIM/USIM-less emergency call.*” Therefore the issue was left open pending clarification of regional requirements. GSM North America have strong requirements for this. There was a general question from TSG CN on the realistic inclusion in Release 5 timeframe. The need for (U)SIM-less

Emergency Call support, given the experience that users do not often remove the SIM/USIM, as was expected in the early days of GSM was questioned. It was explained that such arguments could not easily be used to change North American regulation requirements. It was suggested that another method to implement the requirements would be to mandate that mobiles support (U)SIM-less Circuit-Switched emergency calls, however, some concerns were raised against this solution. It was agreed that an independent work item should be created, and to aim for Release 5, delaying it to another Release only if the work can not be completed in this timescale. The SA WG2 Chairman reported that progress was slow due to lack of contribution, rather than lack of willingness to work on this in SA WG2. It was finally agreed that a separate, independent, WI would be created to cover the requirements for the support of Emergency Calls in Networks which contain an IMS, including a study on the feasibility of providing both a short-term and long-term solution. The meeting was reminded that the work of 3GPP is contribution-driven and relies upon the input of the Member Companies to the WG meetings. A WI was drafted and provided in TD SP-010189 (see agenda item 8.12) **and the CR in TD SP-010057 was approved.**

7.1.3 Approval of contributions from TSG-SA WG1

The SA WG1 Chairman mentioned that SA WG1 have commenced work on service provisioning under VHE, and anyone working on this topic were invited to contribute their work to SA WG1.

TD SP-010036 CRs to 02.11 and 22.011 on Roaming restrictions for GPRS (Release '97). These CRs were approved.

TD SP-010037 CR to 02.71 on Deletion of reference to GSM 10.71. This CR was approved.

TD SP-010038 CR to 21.905 for Inclusion of commonly used definitions. This CR was approved. SA WG1 requested that any such inputs to this vocabulary document be sent to SA WG1, rather than to SA Plenary whenever possible.

TD SP-010039 CRs to 22.002 clarification on Circuit Switched Bearer Services in UMTS. These CRs were approved.

TD SP-010040 CRs to 22.002 on Restructuring of 22.002. These CRs were approved.

TD SP-010041 CRs to 22.041 to remove ODB for Packet Oriented Services from Release 99. These CRs were approved.

TD SP-010042 CRs to 22.041 on Operator Determined Barring – Zonal Barring. These CRs were approved.

TD SP-010043 CR to 22.057 on MeXE service discovery. This CR was approved.

TD SP-010044 CRs to 22.071 on various subjects. These CRs were approved. It was noted that CR025 was for Rel-4 and for PS only. - GERAN reported that LCS-PS could not be completed for Rel-4.

TD SP-010045 Editorial and alignment CRs to 22.078. These CRs were approved. It was noted that there was a problem with the PDF version of this document and the ZIP file is the official CR.

TD SP-010046 CRs to 22.078 on Support of previous phases of CAMEL. These CRs were approved.

TD SP-010047 CRs to 22.078 on Interaction between CAMEL control of MO-SMS and Call Barring & ODB. These CRs were approved.

TD SP-010048 CRs to 22.078 on Correction of interaction between CAMEL and BOIC. These CRs were approved.

TD SP-010049 CRs to 22.078 to add new subclause regarding to the CAMEL interactions with ODB for the Packet Oriented Services. It was commented that ODB does not apply for Release 1999, and this should not be included. It was explained that the text specifically excludes the functionality in Release 1999, but that this was included in the Release 1999 specification to keep CAMEL Phase 3 clear, rather than having 2 different Releases of CAMEL Phase 3. The Chairman reported that NEC were the originators of this, but there was no support in the SA#11 meeting, and so the Release 1999 CR 098 was rejected. The Rel-4 CR 099 and Rel-5 CR 100 were approved.

TD SP-010050 CRs to 22.078 on Corrections of congestion control procedure. These CRs were approved.

TD SP-010051 Various CRs to 22.078. These CRs were approved.

TD SP-010052 CR to 22.082 on Notification of active CFU. This CR was approved. SA WG1 were asked to verify the exact meaning of the CFU flag (i.e. for Teleservice 1, 2, .. or for any Teleservice).

TD SP-010053 CRs to 22.101 on handling of interactions between applications requiring the access to UE resources. These CRs were approved.

TD SP-010054 CRs to 22.101 on PLMN name indication. It was clarified that the CRs covered the PLMN Name and when the Service Provider Name precedence over this. These CRs were approved.

TD SP-010055 CRs to 22.101 on CR to 22.101 on Introduction of CPHS features. These CRs were approved.

TD SP-010056 CRs to 22.101 on Display of service provider name in the UE. This CR was approved. SA WG1 were asked to consider the situation of Release 1999 and the need for an indication of the Physical Country for ease of calling when on Country borders.

TD SP-010057 CR to 22.101 on Clarifications on IMS emergency call support. (Dealt with TD SP-010035 and approved).

TD SP-010058 CR to 22.115 on Introduction of charging for IPMultimedia and Event Based Charging. This CR was approved.

TD SP-010059 Various CRs to 22.121. These CRs were approved.

TD SP-010060 CRs to 22.127 V 4.0.0 on User interaction(Release 4). These CRs were approved.

TD SP-010061 CR to 22.129 to correct references to releases. This CR was approved.

TD SP-010062 Various CRs to 22.140. These CRs were approved.

TD SP-010063 CR to 22.228 on IMS to PSTN/ISDN interworking for basic voice calls only. This CR was approved. Any proposals for improvement to the new text should be addressed to the SA WG1 meeting.

TD SP-010064 Work Items for approval from SA WG1.

WI: Support of the Presence Capability:

It was commented that visibility of the caller was a larger issue, as there is no guarantee that there is a physical user, and SA WG1 were asked to consider this when creating the requirements. This WI description was approved.

WI: UMTS/GSM ANSI-41 inter-standard roaming:

The use of a workshop between 3GPP, 3GPP2 TR-45, T1, GGRF and GAIT, to start off the requirements work was questioned. After some discussion on this, the Chairman asked whether, firstly, there was agreement on the need for a WI on this subject. There was no consensus on this, and so the WI description was rejected. (It was ***stressed*** that interworking is important, but that we should wait for the input from other groups before taking action).

Other issues:

TD SP-010065 SA WG1's requirement for transfer of specs from Release 1999 to Rel-4. This list of transfers was endorsed by TSG SA. SA WG1 were asked to consider the need for the transfer of GSM 02.95 (to 42.095/22.095), and to consider the comments that it is completely CN-based, so should be applicable to both radio interfaces, and to consider whether it was needed at all. The deletion of some documents from the Rel-4 specification set, as detailed in the contribution, was also noted.

TD SP-010155 IP Based MultiMedia Services Examples - Progress Report of the SA WG1 IMS Adhoc. This summary of the IMS ad-hoc group meeting was provided by and presented by R. Wohlert. The ad-hoc group succeeded in categorising the services and identified a number of representative services and examples for each category. This report was noted.

TD SP-010165 LS on basic and advanced service examples. This had been approved by e-mail by SA WG1, and had been produced by the IMS ad-hoc group. This was presented by R. Wohlert and noted. **Delegates were asked to study this and feed back information to SA WG1.**

TD SP-010163 Various CRs to 22.127 Rel-4. The reason for providing these to TSG SA without SA WG1 approval was questioned, and it was stated that these did not affect other specifications. for TD SP-010163, the classification of Editorial changes was questioned, as some changes (e.g. 22.127 CR004) seemed to affect other groups. It was suggested that CR004 should be reviewed by SA WG1 and presented to the next TSG SA meeting, if the changes are found to be needed. CRs 003, 005, 006 and 007 were approved. CR004 was not approved, **and shall be sent to SA WG1 for consideration**.

TD SP-010164 CR to 22.127: Clarification to the requirements of the event notification function (from the OSA ad-hoc group). Delegates were asked to check that there is no impact on Stages 2 and 3 of this CR,

before approval by TSG SA. A companion contribution, TD SP-010187 "Clarification on CR008 to 22.127 (SP-010164) CR to 22.127 on Clarification to the requirements of the Event Notification Function" was presented by Siemens. With this clarification, the CR to 22.127 in TD SP-010164 was approved.

TD SP-010080 Multiple PLMNs (Working Assumptions from UE in Idle Mode Workshop). This was provided for information by Motorola and was noted.

TD SP-010149 Equivalent handling of PLMNs with different PLMN codes (revision of TD SP-010015). This had not been approved by SA WG1. Delegates were asked whether these changes were accepted as part of Rel-4, there was no objection to this principle, conditionally upon the acceptable of the proposal by SA WG1..

TD SP-010150 R99 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes (rev TD SP-010016). This CR had not been approved by SA WG1, but was an alignment on the specifications/CRs of CN and RAN.. This CR was approved.

TD SP-010151 Rel-4 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes (rev SP-010017) This CR had not been approved by SA WG1. This CR was approved.

The SA WG1 Chairman asked that documents be sent them whenever possible, rather than forwarding forwarding to TSG SA for approval.

CRs were expected on background scan, to align with 23.122. Details of the CRs to 23.122 on background scanning were provided in CN document NP-010186.

TD SP-010167 TSG SA were asked to endorse the view to develop New Service Requirements first in SA WG1, specifically highlighting requirements which cannot be fulfilled by existing and already planned mechanisms. This principle was endorsed. It was clarified that the role of SA WG1 is to identify whether the requirement is new, or can be supported by the current Release functionality.

7.2 TSG-SA WG2

7.2.1 Report from TSG-SA WG2 and review of progress

TD SP-010114 SA WG2 report to SA#11. This was presented by the (departing) SA WG2 Chairman Mr. Teuvo Järvela. The issues raised and approval of output were dealt with under agenda items 7.2.2. and 7.2.3. One of the main achievements of SA WG2 was the completion of the stage 2 of the IMS, provided as version 2.0.0 to this meeting.

The presentation of IMS and VHE/OSA architecture triggered some discussion. The proposal to delete the Work Item "Stage 2 for CS MultiMedia", corresponding to the deletion of the Feature "CS MultiMedia", which had been agreed by TSG CN, was questioned. It was clarified that this meant that there would be no improvement in Rel-4 on CS MultiMedia, but that the feature will still be offered, as it was for Release 1999. The meeting was reminded that the Push Services Work Item was changed at TSG#10 from a feasibility study to the actual provisioning of the Feature for Rel-5: the work consists of selecting one of the three possible options of implementation of the service (SMS-based, "the Internet way" and Network-requested PDP-context activation based). The request of non-GSM operators to concentrate on the GPRS option has been forwarded to the Push ad-hoc group for consideration in their discussions.

The elections at SA WG2 resulted in the nomination of Mr. Mikko Puuskari (Nokia) as new Chairman, and Mrs. Bonnie Chen (Motorola) and Mr. Akishige Noda (Fujitsu) as Vice-Chairpersons.

The report was noted and the Mr. T. Järvela was thanked for his hard work as SA WG2 Chairman and wished good luck in his future work.

7.2.2 Questions for advice from TSG-SA WG2

TD SP-010007 LS from SA WG2: Provision of Open Interfaces within the GERAN & UMTS for LCS Support. This had already been dealt with at TSG SA#10 meeting and was superseded by the LS provided in TD SP-010013 (see agenda item 7.2.2).

TD SP-010079 LS on Packet Streaming Service Architecture (S2-010748). This Liaison was provided to TSG SA for information, and suggests changes to SA WG4 documents, following a review of 26.233 and 26.234. SA WG4 had reviewed the comments and incorporated them into CRs to this meeting. The LS was noted and delegates were asked to ensure that all aspects are fully covered.

TD SP-010014 LS from SA WG2: Response to LS (T2-000793) on discussion document on UE functionality split over physical devices. SA WG2 had reviewed the proposals for UE functionality split and identified architectural impacts, although they could not determine the scope and magnitude of the impacts. SA WG2 proposes that SA WG1 first define the set of requirements associated with items and scenarios of the

discussion paper from T WG2. There was some discussion on the analysis that was needed, and the security analysis in SA WG3 was considered important. The possible scenarios should be studied and the interesting ones identified. SA WG2 should also look at the QoS issues. The conformance testability should also be taken into account. TSG SA noted the work was ongoing and that the security aspects were urgent. It was also noted that SA WG1 have involvement in the work.

TD SP-010157 Convergence of QoS approaches in 3GPP and TIPHON. SA WG2 endorse the SA WG1 proposal to have a common approach on QoS in IP-based networks between 3GPP and TIPHON and reported that this cannot be achieved for Rel-4. SA WG2 would like to invite ETSI EP TIPHON to their meeting and ask TSG SA if this co-operation was thought appropriate. There was some discussion over the co-operation with TIPHON on QoS, and it was agreed that this co-operation was appropriate, and that there are other bodies which could also be consulted on this topic. The end-to-end delay issues need to be solved for VoIP. The document was then noted.

TD SP-010158 Response to LS on IM Emergency Call without USIM. This had already been discussed in the SA WG1 presentation, and was noted.

TD SP-010159 Liaison Statement on IMS Service Provision. SA WG2 had discussed the subject on Service Provision for the IM Subsystem and came to the conclusion that besides the Cx interface SA WG2 agreed on a single standardised protocol to be supported by the S-CSCF for service control. (It was noted that the attachment was missing, and this was provided in a new document TD SP-010176). SA WG2 reported that they were taking the available SA WG1 requirements into account, and welcomed more input from SA WG1 on this. SA WG1 were asked to consider this work and to transmit any requirements not taken into account to SA WG2 as soon as possible (a SA WG2 drafting meeting on IMS Service Provision is planned for 5-6 April in Sophia Antipolis, France).

TD SP-010013 Withdrawing the SA Work Item on open LCS interfaces. The SA LCS ad-hoc meeting decided to ask TSG SA withdraw the work item agreed in TSG-SA#10 in SP-000685, as a new RAN WI had been agreed to replace it. Vodafone requested that the work on the open LCS interface is not delayed to Rel-5. It was reported that the Stage 2 in TSG RAN was complete for Rel-4, but the Stage 3 would not be complete until June 2001, for Rel-5. The withdrawal of this work item was approved. It was noted that there was no additional work for SA WG1 due to this change, *assuming that all existing service requirements are fulfilled with this functional split*.

TD SP-010160 Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type parameters over Iu interface RANAP 25.413 (LOCATION REPORTING CONTROL and LOCATION REPORT messages). SA WG2 ask RAN WG3 to take the parameters on the RANAP level into account and to provide any necessary CRs to SA WG2 to align their specifications with the TSG RAN decision. This was provided to TSG SA for information and was noted. It was noted that substantial changes to the functional split reflected in the current version of 23.271 will make it very difficult to have any improvement at all in UTRAN LCS Rel-4 compared to UTRAN LCS Release 1999, unless the corrections proposed above are included in Rel-4. It was agreed that the aim should be to complete the proposed corrections to be included in Rel-4.

TD SP-010161 draft LS on GTT capability in Release 4. This LS was introduced by the SA WG2 Chairman, and requested contributions on the 2 proposals outlined in the liaison for their next SA WG2 meeting.

It was reported that North America have an obligation to provide services for the hard of hearing in a relatively tight time schedule (mid 2001), and a workshop to discuss the aspects of the 2 implementations was requested in order to input to the next SA WG2 meeting and provide an acceptable solution. This proposal was welcomed by SA WG2 Chairman and some delegates to prepare the discussions and decision that will take place at the SA WG2 meeting in May 2001. Ericsson offered to host a workshop, in the order of 2 days in good time before the next SA WG2 meeting (14-18 May 2001). TSG SA agreed that this should be further discussed to develop the scope, level (TSG SA or SA WG2 level) and venue/date of the workshop. The TTY technical workshop was later proposed for 18-19 April 2001, in Europe (Ericsson will host, close to a major airport, if possible).

TD SP-010174 Global Text Telephony Issues. This was introduced by Vodafone and asks SA WG2 to give reasoned consideration to the issues to reduce the options of the final solution as far as possible.

It was agreed that a TSG SA Workshop would be set up to elaborate this for input to SA WG2 in a timely manner, as concluded during the discussions on TD SP-010161.

TD SP-010076 Removal of Visited Control S-CSCF option from the Rel-5 architecture. This was provided to TSG SA for information and was presented by the TSG SA Chairman. It informs various groups of the removal of the Visited Control S-CSCF option from Rel-5. The impact on Emergency Call requirements was questioned. It was assumed that the SA WG1 requirements were still fulfilled by the Rel-4 architecture. The

text "Home network's operator" appeared to be an error, and should read "Home Operator's Network". The liaison (and decision to remove the function from Rel-5) was noted.

7.2.3 Approval of contributions from TSG-SA WG2

TD SP-010115 CRs on 23.002. It was clarified that "IM MuMa" was not a valid WI acronym, and would be corrected to "IMS" in the CR database. These CRs were approved.

TD SP-010116 CRs on 03.60 and 23.060. These CRs were approved. SA WG2 were asked to check the status of the remaining CRs to 03.60 and 23.060 on roaming issues.

TD SP-010117 CRs on 23.107. These CRs were approved. It was noted that an error on the cover table had been made for CR046, which was approved as Category F CR for Release 1999 (as shown on the CR cover page).

TD SP-010118 CRs on 23.127. These CRs were approved.

TD SP-010120 CRs on 03.71, 23.171 and 23.271. These CRs were approved.

TD SP-010122 TS 23.221 v.2.0.0 (Architectural requirements - Release 4). This TS was provided to TSG SA for approval. It was reported that this had been stable for a long time. The TS was approved and placed under TSG SA Change Control as version 4.0.0 (Rel-4).

TD SP-010119 CRs on 23.221. This CR was produced to update the TS approved in TD SP-010122 to Rel-5. It was noted that the revision marks were missing in the PDF version of this document. This CR was approved. SA WG2 were asked to remove the editors notes as soon as practical (as part of another CR).

TD SP-010121 TS 23.228 v.2.0.0 (IP Multimedia (IM) Subsystem - Stage 2 - Release 5). The TS was approved and placed under TSG SA Change Control as version 5.0.0 (Rel-5). SA WG2 were asked to check the status of the Annexes (normative/informative) and to remove the editors notes as soon as possible.

TD SP-010123 TR 23.873 v.2.0.0 (Feasibility Study for Transport and Control Separation in the PS CN Domain - Release 4). The SA WG2 Chairman asked what TSG SA wished to do with this study report. It was agreed to approve it as part of the Release 4 document set. This *internal* TR was approved and placed under TSG SA Change Control as version 4.0.0 (Rel-4).

SA WG2 were asked to be more careful about the use of Category D CRs, to ensure that they are truly editorial (as they need not be taken into account by developers).

7.3 TSG-SA WG3

7.3.1 Report from TSG-SA WG3 and review of progress

TD SP-010129 Status Report from SA WG3 to SA#11. The status report from SA WG3 was presented by the SA WG3 Chairman, Prof. M. Walker. The issues raised and approval of output were dealt with under agenda items 7.4.2. and 7.4.3. It was reported that the work on Network Domain Security (targeted for Rel-4) has progressed and the specification is fairly stable, but that it was not yet possible to produce a specification for approval at this meeting. The SA WG3 Chairman requested that the specification can be forwarded to TSG SA for information in May (by e-mail) and submitted for approval at SA#12 for Rel-4 approval. An ad-hoc NDS meeting has been set-up to complete the specification for this purpose. It was reported that the functionality for NDS was already in the CN specifications, and CRs would be needed to remove this from Rel-4 and insert it into Rel-5. It was requested that a joint SA WG2/SA WG3 meeting should be held before June 2001 in order to report the feasibility of including this in Rel-4. SA WG3 were asked to provide documentation of the elements which are outstanding in the NDS document, which was provided in TD SP-010191, which was introduced by M. Pope, the SA WG3 Secretary. The request for delay of NDS to June 2001, for inclusion in Rel-4 was approved.

The progress with 3GPP2 co-operation was questioned. It was reported that the positive authentication report request had been delayed to post Rel-5 and a LS had been sent to AHAG on this. No joint meetings had been held since SA#10.

TD SP-010143 Draft report of SA WG3 meeting #17 SA WG3 Secretary. This was provided for information and was noted.

7.3.2 Questions for advice from TSG-SA WG3

TD SP-010152 LS (to TSG RAN) on UE ciphering capabilities (S3-010136). This was provided for information to TSG SA and TSG RAN treated this LS in their meeting and will report to TSG SA under agenda item 8.2. The LS was then noted.

A concern about the lack of information on changes to SA WG3 specifications which impact RAN

specifications was raised. It was noted that SA WG3 had agreed this LS to forward to TSG RAN, and copied to RAN WG2, although there had not been a RAN WG2 meeting since the last SA WG3 meeting. A clear indication of the importance of such corrective CRs was requested when sending the CRs to other groups. The TSG SA Chairman requested that all delegates, when creating CRs, consider the consequences if the CR is not approved, and only to submit CRs where the consequences are significant and to inform other potentially impacted groups as soon as possible.

SA WG3 were asked if more work could be done on the split functionality scenarios to identify the security threats of the proposed scenarios with the current security architecture. SA WG1 were asked to provide the priority on the different scenarios and forward this information to SA WG3 for consideration.

TD SP-010181 Security Solution for Release 5 IMS (AT&T Wireless, BT Wireless). The Chairman advised that this concern over SA WG2 architecture related to Security requirements should be discussed between SA WG2 and SA WG3. The document was therefore noted by TSG SA.

The authors of the contribution provided the Secretary with the following disposition for the report:

> *The authors stated that they had been reassured in offline discussions with the SA WG3 Chairman, Michael Walker, that SA WG3 accepts the IMS architecture specified by SA WG2, and will specify their security features to be consistent with that architecture (also approved in this TSG SA plenary). Any concerns or issues within SA WG3 concerning the architecture will be coordinated with SA WG2. These reassurances satisfied the objectives of this contribution.*

7.3.3 Approval of contributions from TSG-SA WG3

TD SP-010130 1 Corrective CR to 03.35 version 8.0.0. This CR was approved.

TD SP-010131 7 Corrective CRs to 33.102 version 3.7.0. For CR136, the bit-ordering clarification was questioned, as the ASN.1 coding would specify this bit-ordering. The possibility of conflict with protocol specifications was questioned, it was clarified that this has been verified in the algorithm specifications and test data, and delegates were asked to check the consistency of the protocol specs. These CRs were approved.

TD SP-010132 2 Category C, Rel-4 CRs to 33.102 version 3.7.0. It was noted that for CR139, the listing of a corresponding CN CR had not been included, but the work had been done in CN. These CRs were approved.

TD SP-010133 1 Corrective CR to 33.103 version 3.4.0. This CR was approved.

TD SP-010134 3 Corrective CRs to 33.105 version 3.6.0. These CRs were approved.

TD SP-010135 1 Category C, Rel-4 CR to 33.106 version 3.1.0. This CR was approved.

TD SP-010136 1 Category C, Rel-5 CR to 33.106 version 3.1.0. This CR was approved.

TD SP-010137 1 Corrective CR to 33.107 version 3.1.0. This CR was approved.

TD SP-010146 CR on 33.107: Update of TS 33.107 for Release 4 - Inclusion of PS LI requirements. This CR was approved.

The SA WG3 Secretary was requested to better group the CRs into logical packages for future presentation to TSG SA.

TD SP-010144 Authentication algorithm evaluation report v1.0. (SAGE Deliverable 5). The number allocated to this TR was TR 35.909. This TR was approved and placed under TSG SA change control as version 4.0.0 (Rel-4). The other deliverables, 1-4 in this set were noted to be also Rel-4, although it was noted that this can be used independent of the Release.

TD SP-010153 Work Item Description: Network-based end-to-end security. It was clarified that this mechanism cannot be provided between users on different Networks. The impact on the Terminal MMI requirements was questioned The use of synchronisation was clarified as being end-to-end synchronisation of the Keys. This WI description was approved.

7.4 TSG-SA WG4

7.4.1 Report from TSG-SA WG4 and review of progress

TD SP-010081 SA WG4 Status Report at TSG-SA#11. This was presented by Mr. Kari Järvinen, the SA WG4 Chairman, using the presentation slides provided in Annex B of the report. The issues raised and approval of output were dealt with under agenda items 7.4.2. and 7.4.3.

It was clarified that although some of the Codecs were for UTRAN only, others, such as the WideBand AMR Codec was characterised for GSM Channel use and UTRAN use. The results of these characterisation tests will be presented to SA#12. The transparent end-to-end PS Mobile Streaming scope was questioned, and it was clarified that the Codecs that are recommended are those which have been verified as suitable, but does not preclude the use of other Codecs. The term "mandatory" should be read as "default" in the presentation. This raised the question on the provision of an optimised mandatory Codec for this service, which was discussed and concluded that any such requirement should be dealt with in SA WG1 and investigated within SA WG4 if required.

The impact of the introduction of the UTRAN AMR2 in order to cope with GSM update speed was questioned. The SA WG4 Chairman reported that the relevant groups had been informed via liaison. After much discussion on this topic, it was agreed that relevant WGs need to verify that the necessary support is in place in the RAN and CN specifications and then to ensure that there will not be problems with a GSM terminal roaming into a Release 1999 3G network. Feedback is expected at SA#12.

The report was then noted and the SA WG4 Chairman was thanked for his work.

7.4.2 Questions for advice from TSG-SA WG4

TD SP-010128 on the inclusion of the feature AMR-WB in 3GPP Rel-4. This was provided and presented by Siemens AG, and proposes that for 3GPP Rel-4 features, the following formulation should be used:

- *AMR-WB Codec specification (no network support)* and
- that the AMR-WB implementation in the 3GPP network is targeted for Rel-5.

The argument given was that the radio interface is not complete for the Rel-4 deadline, and that the Release should be complete. Another suggestion was to approve it now for Rel-5 and to introduce it into Rel-4 in June 2001 if the Radio signalling is complete. There was general support for this approach. It was agreed that the specifications would be approved now for Rel-5 and then review the situation at SA#12 and allow the debate to be opened again on inclusion in Rel-4.

It was also decided that the AMR WB Codec WI would be functionally frozen and only essential corrections would be allowed to these specifications.

7.4.3 Approval of contributions from TSG-SA WG4

Approval of Specifications and Reports:

AMR WB Codec specifications:

TD SP-010082 3GPP TS 26.171 version 2.0.0 "AMR Wideband Speech Codec; General description" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010083 3GPP TS 26.173 version 2.0.0 "AMR Wideband Speech Codec; C-source code" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010084 3GPP TS 26.174 version 2.0.0 "AMR-WB speech codec; test sequences" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010085 3GPP TS 26.190 version 2.0.0 "AMR Wideband Speech Codec; Transcoding Functions" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010086 3GPP TS 26.191 version 2.0.0 "AMR Wideband Speech Codec; Error concealment of erroneous or lost frames" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010087 3GPP TS 26.192 version 2.0.0 "AMR Wideband Speech Codec; CN for AMR Speech Traffic Channels" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010088 3GPP TS 26.193 version 2.0.0 "AMR Wideband Speech Codec; Source Controlled Rate operation" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010089 3GPP TS 26.194 version 2.0.0 "AMR Wideband Speech Codec; VAD for AMR Speech Traffic Channels" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010090 3GPP TS 26.201 version 2.0.0 "AMR Wideband Speech Codec; Speech Codec Frame Structure" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

TD SP-010091 3GPP TS 26.202 version 2.0.0 "AMR-WB speech codec; interface to Iu and Uu" (Release 4). This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**.

Other specifications and reports:

TD SP-010092 3GPP TS 26.231 version 2.0.0 "Cellular Text Telephone Modem; Minimum Performance Specification" (Release 4). It was pointed out that the Work Plan for Rel-4 contains only the minimal solution for CTT and more work was needed before the Modem can be used. It was clarified that the CTT modem specification (26.230) had been approved at SA#10 as Rel-4. This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5)**. **TS 26.230 was withdrawn from the Release 4 specification set and included in Release 5.**

TD SP-010093 3GPP TS 26.233 v. 2.0.0 "Transparent end-to-end packet switched streaming service; General description" (Release 4). *A request was made to interested companies to provide contributions on relevant system capabilities specs in order to include text on transparent end-to-end PS streaming services*. This TS was approved and placed under TSG SA change control as version 4.0.0 (Rel-4).

TD SP-010094 3GPP TS 26.234 version 2.0.0 "Transparent end-to-end packet switched streaming services (PSS); Protocols and codecs" (Release 4). It was noted that the references to WB AMR will need to be updated depending on the final decision on inclusion in Rel-4 at SA#12.This TS was approved and placed under TSG SA change control as version 4.0.0 (Rel-4).

TD SP-010095 3GPP TS 26.235 version 2.0.0 "Packet Switched Conversational Multimedia Applications; Default Codecs" (Release 4). This TS was approved and placed under TSG SA change control as version 4.0.0 (Rel-4).

TD SP-010096 3GPP TS 28.062 version 2.0.0 "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4). This TS was approved and placed under TSG SA change control as version 4.0.0 (Rel-4).

TD SP-010097 3GPP TR 26.975 version 2.0.0 "Performance Characterization of the AMR Speech Codec" (Release 1999). This TR was approved and placed under TSG SA change control as version 3.0.0 (Release 1999).

Approval of CRs:

TD SP-010098 CRs TS 02.53 and TS 03.53 on Extension of TFO to AMR (Release 4). These CRs were approved.

TD SP-010099 CRs TS 03.50 on Harmonisation of requirements on terminal acoustics in GSM and 3G (Release 4 and Release 5). These CRs were approved.

TD SP-010100 CRs to TS 06.73 and TS 26.073 on Corrections to AMR codec (R98, R99, Release 4). These CRs were approved.

TD SP-010101 CRs to TS 06.74 and TS 26.074 on Update of AMR codec test sequences after CRs to TS 06.73 and TS 26.073 (R98, R99, Release 4). These CRs were approved.

TD SP-010102 CRs to TS 06.77 on Addition of test plan and tidying (R99). These CRs were approved.

TD SP-010103 CRs to TS 26.102 on Introduction of TFO and TrFO (R99 and Release 4). These CRs were approved.

TD SP-010104 CRs to TS 26.103 on AMR-WB and TFO (Release 4). CR008 needed to be redrafted to remove the Rel-4 AMR-WB changes, as the AMR-WB codec soecifications were not approved as Rel-4 at this time. CR007 was approved, CR008 was revised and split into CR008R1 and CR009 in TD SP-010199, which was presented by the SA WG4 Chairman. The CRs in TD SP-010199 were approved.

TD SP-010105 CRs to TS 26.110 on Corrections and Support of mobile multi-link operation in 3G-324M (R99 and Release 4). These CRs were approved.

TD SP-010106 CRs to TS 26.131 on Harmonisation of acoustic requirements between 3GPP and GSM and WB acoustic requirements (R99 and Release 4). CR006r3 was related to AMR-WB, and so was approved as a Rel-5 CR, CR005r1 was approved (Release 1999).

TD SP-010107 CRs to TS 26.132 on Harmonisation of test methods for acoustics between 3GPP and GSM and Compatibility with testing wideband telephony transmission performance (R99 and Release 4). CR003r1 was related to AMR-WB, and so was approved as a Rel-5 CR, CR002r1 was approved (Release 1999).

TD SP-010108 CR to Ts 26.230 on Bug fix in source code of the CTM receiver (Release 4). This CR was related to AMR-WB, and so was approved as a Rel-5 CR.

TD SP-010109 CR to TR 26.911 on ITU-T V.80 support for 3G terminals (Release 4).This CR was approved.

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

TD SP-010021 SA WG5 Status report toSA#11. The report of SA WG5 activities was presented by Mr. Albert Yuhan, SA WG5 Chairman. The election of officials in SA WG5 resulted in the re-election of Mr. Albert Yuhan for another term and Michael Truss as Vice Chairman. SA WG5 had held 2 meetings since SA#10.

A new Feature for Rel-5 "Subscription Management (SM)" was started.

Co-operation with ITU-T SG4 on CORBA framework standardization: The ITU-T CORBA Framework Recommendation will normatively reference the 3GPP TS 32.106- 3 (Notification IRP CORBA SS) for event/notification management.

The WI "LCS1- OAM: Location Services enhancements (SA2) - Charging + OAM& P" remains low in priority and is not resourced.

It was reported that the GSM 12-series will not be produced in Release 4, as due to the late production in GSM, many proprietary solutions had been produced by manufacturers and compliance to these specifications is low. It was reported that the content was included in the 3GPP equivalent specifications and were not existing in Release 1999, except 12.03, 12.04 and 12.71, which did exist in Release 1999. The Security Management (12.03) had been transferred to SA WG3. It was agreed that 12.03 and 12.04 will be withdrawn and 12.71 will be transferred to 3GPP as TS 52.071 (GSM only) and a suitable place found for the maintenance. Contributions were requested for this LCS work.

The User Equipment management WI needs also to be discussed by SA WG1. SA WG5 were asked to ensure SA WG1 are involved in this work.

IETF AAA - A Liaison Rapporteur from SA WG5 attends the IETF AAA meetings and has provided charging requirements from 3GPP to the IETF.

Co-operation with 3GPP2 continues and 3GPP2 reference the SA WG5 documents and produce delta documents for exception areas specifically for their IMT-2000 system.

7.5.2 Questions for advice from TSG-SA WG5

TD SP-010008 LS from SA WG5: Feedback LS on UTRAN OAM Procedures (Feature-level Work Item: UOAM). This WI was intended to document the OAM work being carried out to allow all parties to be aware of the ongoing work. This LS was noted.

TD SP-010074 DRAFT Response to SA5 regarding UO&M Procedures Work Item. This was presented by the TSG SA Chairman. It consisted of a draft response from RAN WG3 informing SA WG5 and SA of their plans to review TR 32.800 and liaise comments to SA WG5. The LS was noted.

7.5.3 Approval of contributions from TSG-SA WG5

TD SP-010022 CR to 3G Telecom Management principles and high level requirements (32.101). This CR was approved.

TD SP-010023 CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005). These CRs were approved.

TD SP-010024 CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015). These CRs were approved.

TD SP-010026 CR to 3G Telecom Management Architecture (32.102). This CR was approved.

TD SP-010027 CRs to Configuration Management; Part 2: Notification Integration Reference Point; Information Service Version 1 (32.106-2). These CRs were approved.

TD SP-010028 CRs to Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set Version 1:1 (32.106-3). These CRs were approved.

TD SP-010029 CRs to Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (32.106-5). These CRs were approved.

TD SP-010030 CRs to Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1 (32.106-6). These CRs were approved.

TD SP-010031 CRs to Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1 (32.106-7). These CRs were approved. The TSG SA Chairman requested that linked CRs are presented in a single package in future.

TD SP-010032 CRs to: Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set Version 1:1 (32.111-3). These CRs were approved.

TD SP-010025 3G charging data description for the CS domain (32.xyz) -- New TS for Release 4 replacing R99 TS 32.005. This TS was provided for information and was noted.

It was reported that the work on Multimedia Messaging was not yet mature enough for presentation to Plenary and contributions were invited to SA WG5.

7.6 3GPP Work plan

TD SP-010184 3GPP Work Plan. The Work Plan was presented by Alain Sultan, MCC Work Plan manager. He explained the format of the Work Plan Project file. The content of the work plan was presented in summary slides in TD SP-010183 "MCC Review of the Work Plan at Plenary #11".

Questions and comments:

Features listed as awaiting SA#11 decisions:

New WI on “open LCS interface for UMTS and GERAN”: Stage 2 to be included in Rel-4; Stage 3 planned to be completed in June. (See also agenda item 7.2.2, TD SP-010013).

UE positioning in UTRAN completed by RAN WG3: IPDL for TDD methods is ready: to be included in Rel-4. Other methods to be studied for Rel-5.

GERAN LCS progressing (stage 2 and 3), CS mode and Cell Identifier and Timing Advance positioning methods for PS mode expected for completion in Rel-4 (TS 43.059). The GERAN Chairman stated that this was very likely to be completed in June.

OSA enhancements: 29.198 was expected to be completed for June 2001. The inclusion of this in Rel-4 was agreed.

Global Text Telephony: This was agreed under agenda item 7.4.3 (CTM discussion) as being **Rel-5** (see TD SP-010092 and the principle agreed under agenda item 8.2.1).

Service Modification without pre-notification. This was proposed for deletion. The deletion of this WI was agreed. This was functionally covered by the RAB renegotiation over the Iu feature.

QoS for CS services at Handover. This was proposed for deletion as no work has been done on this item. The deletion of this WI was agreed.

FS on UICC/ME Performance Enhancements was proposed for deletion. The deletion of this WI was agreed.

UICC/USIM database specification. This was proposed for deletion due to no progress. The deletion of this WI was agreed.

Enhancements to (U)SIM toolkit secure messaging. This was proposed to be moved to Rel-5. The move to Rel-5 was agreed. It was noted that the consequences on the Stage 1 specification needs to be checked by SA WG1.

UE-triggered authentication during connections was proposed for deletion due to lack of support. The deletion of this WI was agreed.

Enhanced HE control of security was proposed for delay to Post Rel-5. The moving of this WI to Post Rel-5 (to be determined) was agreed.

Network Domain Security was requested for inclusion in Rel-4 for approval in June 2001. This was agreed (see TD SP-010191).

Mr. Sultan was asked to produce an updated Work Plan and slides to send to the reflector soon after the meeting, in order to provide a clear list of the Release 4 content.

LCS Enhancements (open LCS interface for UMTS and GERAN): It was reported that the Stage 2 was intended to be included in Rel-4 and that the Stage 3 was planned to be completed in June 2001. It was clarified that the Stage 3 requires modification and could not be completed for this TSG meeting.

MCC and in particular, Alain Sultan, were thanked for producing and controlling the Work Plan, which made the control of the Release 4 content a much simpler task than was experienced for Release 1999.

7.7 Review of TSG-SA Release 1999 completion

7.8 Review of TSG-SA Release 4 status and completion

7.9 Review of TSG-SA Release 5 status

7.10 Review of TSG-SA work programme

7.11 Letters to other groups

7.12 Other issues

TD SP-010179 Release 5 WI on prepaid/online charging. This document consisted of 2 parts:

- A work item proposal: "Work Item Description for Release 5: Pre-pay/real-time charging in IM subsystem [WI for Building Block]", Source Ericsson and supported by Ericsson, Siemens, KPN, Telia, Telenor, Vodafone
- A proposal from Ericsson, Telia, Telenor and Vodafone for a work split for the prepaid/online charging WI, in SA WG2, as follows:

SA WG1: Defines the service requirements for prepaid/online charging (e.g. support for content based charging, charging models to be supported).

SA WG2: Performs the initial architecture analysis (i.e. drafts the first high level stage 2).

SA WG5: Specifies the detailed stage 2 (i.e. detailed information flows and the contents of the “CDRs”).

TSG SA requested that the WI be proposed to SA WG1 with less detail on the technical solution, in order that SA WG1 can develop the service requirements. The document was then noted.

TD SP-010180 Work Item Description for Release 5: Specification for the Le Interface. This was provided by Motorola, Ericsson, Siemens and Nokia. It was identified that SA WG3 should also be involved to ensure confidentiality on the interface. SA WG1 were asked to provide the privacy requirements to SA WG3. The WI was approved.

TD SP-010189 Proposed WI “Support for Emergency calls from UEs without (U)SIM in Networks containing an IM CN Subsystem. This was presented by Lucent Technologies. The objective was to allow networks to support Emergency calls via the IM CN Subsystem for UEs without a (U)SIM. The importance of providing this feature in Release 5 along with the work item “IM Services” was stressed, to ensure that all regions can deploy IM Services at the same time. The WI should be UICC-less EC, rather than USIM-less EC. The WI should not state the use of the IM CN subsystem, but leave this open in order not to restrict the choice of solutions. It was reported that this could be made splittable in order not to cause problems with the finalisation in time for Rel-5. It was also considered to be a Building Block, or a Feature, rather than a Work Task. As a BB will be required in TSG CN, then it was agreed that this should be a Feature. The WI was updated to take the comments into account and provided in TD SP-010202. The paragraph "*It must be noted that deployment options specified in TS 23.221 allow the IM CN subsystem to be deployed without the CS domain and for UEs to support only IM and PS services*" (section 3) was deleted and the updated WI provided in TD SP-010210 which was approved.

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-010190 Draft STATUS REPORT v0.1.0 of TSG CN#11. The TSG CN Status report was presented by Mr. Stephen Hayes, the TSG CN Chairman, using the slides provided in TD SP-010170.

TSG SA were requested to coordinate response on ITU-T SSG Liaisons. TSG SA were also asked to inform TSG CN whether MAP Security will be in Rel-4 or not, as this impacts their specifications. The CN Officials were elected as follows: Stephen Hayes (Ericsson Inc., T1) as Chairman, Ian Park (Vodafone, ETSI) and Kunihiko Taya (NEC, TTC) as Vice Chairmen.

It was noted that the background scan work is missing from SA WG1 Release 1999 specification (22.011) and SA WG1 were asked to produce a CR to cover this for approval at SA#12.

The issue of multiple MCCs (Mobile Country Codes) for a country was explained that a warning should be sent to the regulators about the problems related to this (e.g. Background Scan) without indicating the severity of the problem (which is debatable).

The TSG CN Chairman was thanked for providing the report, and congratulated on his re-election to the TSG CN Chairmanship.

TD SP-010113 Report of Meetings between the CN Chair and IETF Area Directors. This report was briefly presented by the TSG CN Chairman and was noted (see also agenda item 8.11). The report was considered with TD SP-010192 (report from IETF, see agenda item 8.11). It was additionally reported that there had been cooperation on SIP issues.

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

TD SP-010010 LS from CN WG3 requesting clarification on interworking between IM domain and CS networks. It was noted that there had been efforts to clarify and provide a response on this subject. The LS was therefore noted.

TD SP-010166 Deletion of WIs with impact on other TSGs. All WGs were asked to study the list of deleted WIs, and to determine the impact on their WIs and to inform TSG CN of the action taken on affected WIs (e.g. deletion).

8.1.3 Information on status and changes to deliverables

See annexes D and F.

8.2 Report from TSG-RAN

8.2.1 Report and questions for discussion from TSG-RAN

TD SP-010175 Chairman's report from TSG RAN. The TSG RAN Chairman, Mr. Yukitsuna Furuya, provided the report of the TSG RAN meeting#11. He reported that New Officials had been elected as follows: Francois Courau (Alcatel., ETSI) as Chairman, Don Zelmer (Cingular, T1) and Eisuke Fukuda (Fujitsu, ARIB) as Vice Chairmen.

RAN WG1: Main work has moved to releases 4 ,5, …

RAN WG2: Corrections on RRC is decreasing, but there were still many. The time spent on Release 1999 is decreasing, but still more than 50%.

RAN WG3: Most problems were solved. WG3 can now allocate time on Release 4 onwards.

RAN WG4: Proposed CR to 25.141 on Regional requirements for Test Tolerances was approved to contain Japanese regulatory requirements.

ITU ad-hoc: Procedure on IMT2000 update was proposed by ITU Ad Hoc and agreed.

RAB Quality of Service Negotiation over Iu was approved in RAN although SA WG2 had sent a liaison asking TSG RAN not to include it in Rel-4. TSG SA were asked for advice on this matter. After some discussion it was decided that an off-line discussion was needed between SA WG2 and TSG CN delegates, in order to determine the status of the work. See agenda item 8.4.1.

The name of WI "Migration to Modification procedure" was modified to “Transport bearer modification procedure on Iub, Iur, and Iu" to reduce confusion over it's meaning.

Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning: Although detail is to be completed in Rel 5, early completion is strongly requested from operators.

UE Speed more than 250 km/h: Performance requirements for UE speeds in excess of 250 km/h are not included in the RAN FDD Release 1999 specifications and it ius considered too late to add this to Release 1999 at this stage.

Location Services Accuracy. TSG RAN requested information from SA WG1 on the accuracy requirements, particularly for UE-based measurement methods. After some discussion, SA WG1 were tasked to investigate, and potentially, specify the accuracy requirements when using UE-based methods. It was noted that there already existed accuracy requirements for Network-based methods.

It was mentioned that accuracy of terminal implementations may be a market-driven requirement, depending

on applications and price, and that testing of this may not be straight-forward.

Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN. TSG RAN ask for guidance from SA WG1. TSG RAN asked whether there was any benefit in introducing Broadcast and Multicast in the Radio, considering the radio usage this would entail. It was noted that TSG SA had no Work Item on this subject, and it was agreed that the issue would be postponed until a related WI was produced in TSG SA (SA WG1).

Checking the integrity of UE security capabilities. This was done in response to a SA WG3 liaison. The CR was approved but the necessity is still questioned in TSG RAN.

The new officials for TSG RAN are listed in the report. Mr. Furuya informed the meeting that this was now his last meeting as Chairman of TSG RAN.

There was a proposal to make CPCH mandatory for UEs for Release 4. TSG RAN concluded that this issue should be discussed in WGs further, since WG4 has not completed the work yet and was not discussed in WGs enough.

UE Positioning: Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning. This WI was newly proposed and agreed. WG2 had already completed stage 2 work and this was approved as Rel-4. Stage 3 work will be for Rel-5. There was some disagreement on the conclusion provided here, as some RAN delegates believed that the stage 3 was agreed for Rel-4. The TSG SA Chairman requested that this should not be split over 2 Releases, but that a decision to put the Stages 2 and 3 in Rel-5, or to allow a delayed inclusion of the Stage 3 in Rel-4. It was pointed out that the functionality is a network-internal interface, and does not affect the UE and the Release that it is included in would make no difference to implementation. For implementation, the important date is the completion date for the work, rather than a specific Release finalisation date. After some discussion, a straw-poll was taken to determine where delegates thought the functionality belonged (Rel-4 or Rel-5), with a fairly equal result for both positions. TSG SA therefore did not provide any recommendation to TSG RAN. **It was agreed that there was a strong desire to complete and freeze the Stage 3 work at the TSG RAN#12 meeting in June 2001, in order to allow early implementation.** Therefore, the Stage 2 should be moved to become a part of Rel-5, with the Stage 3.

TSG SA agreed the principle that all stages of a feature should be included in the same Release, unless there is adequate justification for an exception to this.

It was noted that as a consequence to the above principle, the GTT work, where the stage 2 had been completed in time for Release 4, and the Stage 3 work for Release 5, is all moved to Release 5.

After some discussion, it was also clarified and agreed that the above general principle also applied to the LCS work.

IETF: IP header compression: This work was completed for Rel-4. This was part of RAB support enhancement. There was some confusion over this and the Header compression /stripping WI in the Work Plan. It was noted that this needs to be taken account of when the Rel-4 set is listed later in the meeting.

WIs left over for future releases:

- Radio access bearer support enhancement (Some WT are remaining)
- Terminal power saving features (The name was changed to “Gated DPCCH Transmission“ RAN#13)
- Improvement of inter-frequency and inter-system measurements
- Hybrid ARQ

TD SP-010173 LS on Operating Frequency Band as a Release independent work item. This was presented by the TSG RAN Chairman. After some questions and discussion, TSG SA accepted this WI.

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

8.2.3 Information on status and changes to deliverables

See annexes D and F.

8.3 Report from TSG-T

8.3.1 Report and questions for discussion from TSG-T

TD SP-010182 TSG T Progress Report. The report was presented by the TSG T Chairman, Dr. Sang-Keun Park. The elections for officials resulted in the re-election of Sang-Keun Park (Samsung electronics, TTA) as Chairman, and Ed Ehrlich (Nokia, T1) and Kevin Holley (BT, ETSI) as Vice Chairmen.

Transmission and Reception (FDD & TDD): Test Tolerance issue has been resolved for Japanese and European regulatory items. No contributions were made to the RRM section.

TSG-T1 Release 99 signalling part (in 3G FDD environment): Mostly complete, with some outstanding work left on voice call functions and packet data. Of special concern is RRM, resource-wise and maintenance-wise. It was reported that TS 32.123-3 will not be presented for approval until feedback is received on stability from the industry (expected September 2001). This was later clarified as the stability of the validation of the test suites.

The estimates were made for conformance testing funding requirements, but experience shows that up to 1.5 times the amount is needed. TSG T will ask the PCG to reserve some contingency funding for this work. Many Rel-4 work items are in need of supporting companies, in order to approve them. Companies supporting the core specifications are invited to support also the testing WIs (see TP-010024).

A summary of the Smart Card Platform (SCP) work was provided for information.

For GSM 11.11 and GSM 11.14, TSG T decided not to create a Rel-4 version of GSM 11.14, but to incorporate a delta into 31.111 and to withdraw the Release 1999 version of 11.14.

The TSG T Chairman was thanked for providing the report and congratulated on his re-election to the TSG T Chairmanship.

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

TD SP-010177 Response to LS (T2-000793) on discussion document on UE functionality split over physical devices. This was introduced by GemPlus and provides a set of cases that were developed by T WG3, based on a generic issue such as billing associated with different subscriptions, when a user(s) uses one or multiple devices. It was noted that these scenarios all assume an open interface between the USIM and UICC, which would require additional security architecture development to secure the interface. Many fundamental concepts of the system would need reviewing. It was agreed that SA WG3 should study the security issues of a remote UICC, SA WG1 investigate the market feasibility/scenarios and SA WG2 should look at the general architectural impacts. SA WG1 Chairman requested some representation from SA WG3 in the SA WG1 meeting.

8.3.3 Information on status and changes to deliverables

See annexes D and F.

8.4 Report from TSG-GERAN

8.4.1 Report and questions for discussion from TSG-GERAN

TD SP-010148 TSG GERAN Report to TSG-SA#11. The report was presented by the GERAN Convenor, Mr. Niels Peter Skov Andersen. It was noted that the Powerpoint slides included additional information in the notes fields, which were not included in the PDF version of the report. A correction to R97-R99 GPRS specifications had been made, in order to eliminate the small risk of data being mis-read by MSs connected to a network which does not cipher GPRS data. The correction was backward compatible, but the small risk of reacting to the wrong data would still exist for old MSs already in the market. There are issues related to the LCS Bearer and segmentation R98/R99. Delays have changed the expected completion date of LCS for PS from April to June 2001. 3G – 2G interworking is considered stable. The remaining open issues related to ”blind handovers” has been specified. Timing values are temporary until further study and agreement at TSG GERAN #4. For GERAN testing, TSG GERAN is still seeking support for GERAN WG4 to draft test cases for the new(er) functionalities. It was reported that the GERAN position is for compression of SIP signalling in order to maintain a reasonable call set-up time, and to reduce the signalling overhead. A signalling bearer for SIP is being developed.

The provision of VoIP over the radio interface is limited by the large overhead necessary to provide an acceptable QoS. The work plan was provided with the expected dates, and it was reported that any slippage would be only one meeting. The main bulk of the work was expected to be completed by September 2001.

It was noted that the open question on RAB QoS had been clarified and that TSG RAN "conditionally"

approved CRs are confirmed (see agenda item 8.2).

The Chairman thanked himself for providing the GERAN report, which was noted.

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

8.4.3 Information on status and changes to deliverables

See annexes D and F.

8.5 Letters to others groups

TD SP-010205 Draft LS on Y-Shaped PDP contexts and GTP sequence number. This LS asks CN 4 to review the handling of GTP sequence numbers in the case of Y-shaped PDP contexts. Any corrections should be presented as Release 4 CRs to TSG#12. The LS was approved.

8.6 Review of Release 1999 specification set

There were no specific contributions on this agenda item.

8.7 Review of Release 4 status and content

TD SP-010209 Content of Rel-4 and Rel-5. This was produced by Alain Sultan, MCC, and contained the content of Rel-4 and Rel-5 according to decisions and information provided to this round of TSG meetings. It was noted that enhancements of Multimedia messaging is included in Rel-4, which is already included in Release 1999. It was clarified that in the deleted items section, " *Terminal Interfaces - Rel-4*" means only the "*Alternatives to AT commands*" (i.e. "*Alternatives to AT commands*" should be a bullet under "*Terminal Interfaces - Rel-4 part*". It was noted that UICC-less Emergency Call had not been included (as it was approved after the document had been created). This was noted as being a summary, and a full list was requested to be provided as soon as possible after the meeting.

8.8 General aspects of Release handling and definition

This was covered in the presentation of the Work Plan under agenda item 7.6

8.9 Review of Release 5 status and content

This was covered in the presentation of the Work Plan under agenda item 7.6.

8.10 Beyond Current work plan (Vision, Phasing etc.)

TD SP-010162 3GPP Future Evolution. This had been discussed under agenda item 4, and the proposed dates needed verifying. Autumn 2001 was considered the best time, and specific dates were proposed as 16-17 October, 2001, likely venue is Helsinki, Finland. It was noted that an ITU-R WP8F meeting that ends in Japan on October 17, and the possibility of holding the Workshop in Japan 18-19 should be considered by SA WG2 and confirmation made at TSG SA meeting #12.

TD SP-010198 3G Services Deployment Workshop. This was introduced by Ms. Antonella Napolitano and presented by Mr. Andy Watson. He reported that a Workshop has been arranged, recommended and sponsored by UMTS Forum, in Sophia Antipolis, 23-24 April 2001. The concept had been accepted by 3GPP MRPs, 3GPP, 3GPP2 and the IETF. It was reported that SA WG1 had already discussed the details of the workshop and strong participation from SA WG1 members was anticipated. The workshop details were noted and delegates encouraged to consider attending and contributing to this workshop.

TD SP-010197 UMTS Forum Report No. 9 Service Categories. This provides a table of services and categories and was introduced by Mr. Andy Watson, and is the format expected to be developed at the 3G Services Deployment Workshop. Comments on the layout of this document were invited and delegates were asked to provide comments to Mr. Watson. The Workshop is to be split into "break-out" groups to determine the details (Features, BB and WTs for individual topics), and TSG SA were asked for help to identify people to lead each of the break-out groups.

TD SP-010195 Workshop on 3G Services - Details and Work Program. This was provided additional detail on the Workshop, and was noted. The SA WG1 Chairman (Mr. Kevin Holley) agreed to be the point of contact for this Workshop. Mr. Teuvo Järvela agreed to be the SA WG2 contact point for the architecture aspects of the Workshop.

TD SP-010196 Assessing the Requirements for Deploying Key 3G Services. This provided a draft schedule

for the 3G Services Workshop, and comments were invited. This was noted.

8.11 Other issues

TD SP-010156 IP Based Multimedia Services Framework Specification Proposal. This was presented by SBC Communications and proposed a framework specification is produced to cover the IP-Based MultiMedia Services, in a broader sense than the Stage 1, 2, 3 specification of services to address high level end-to-end systems engineering considerations. It was clarified that this work would be more suited as a Report, rather than a specification. The timeframe for the report was questioned, and it was clarified that this would need to be started as soon as possible. The timeframe for the long-term view would need to be elaborated, by looking at the short term now, and extending to longer-term later. In this way the report would be a "living" document. It was agreed that SA WG1 would be the lead group for this work and they were asked to consider and organise this work, and report back to TSG SA.

TD SP-010192 IETF-3GPP Report. This was presented by Ileana Leuca, the 3GPP IETF liaison Rapporteur. The report recommended that 3GPP actively solicit help from IETF to accelerate the standardization process in the areas were inefficiencies exists (i.e. transport - SIP). She also undertook to build the awareness of the areas of importance for Release 4/5 fulfilment (e.g. SIP, QoS, Ipv6). 3GPP individual members were encouraged to be active within the IETF via mailing lists and to participate in the various studies and to Understand the scope of some BOFs and their relation with relevant areas to 3GPP (e.g. user registration, presence services and SIP, IPv6, local area). The Chairman reported on the discussion between the Chairs on having visibility in the IETF. It was considered that the WGs with dependencies on IETF work, include a marker in the Work Plan. The tracking of changes to the IETF standards was questioned, as in a record of updates to their RFCs. Ileana agreed to take this question to the IETF and respond to TSG SA. A document explaining how to navigate the IETF specification (RFC) sets, to find a particular document was considered useful. A 3GPP Web-site page was also suggested to help newcomers navigate the specification set.

The report was then noted.

TD SP-010113 Report of Meetings between the CN Chair and IETF Area Directors. This was dealt with under agenda item 8.1.1, and was introduced again by the TSG CN Chairman. The following are recommendations on how to progress work in these areas towards the IETF:

a) *The 3GPP workplan should be upgraded to include the known IETF dependencies.* This will be covered by including a marker in the Work Plan.

b) *A mailing list for IPv6 usage and migration should be set up in the 3GPP (probably a SA or SA2 list).* The usage of IPv6 should be further investigated, and it was though premature to set up an e-mail list at this time.

c) *An ad-hoc should be set up before the May IETF IPNg meeting to organize the 3GPP presentations towards IETF.* This was considered useful, in order to improve the knowledge of the 3GPP Project and working methods within the IETF. SA WG2 were asked to organise some a coordinated set of presentations to the IETF.

d) *The SA2 QoS Ad-Hoc should document and QoS deficiencies and report these to the IETF for possible inclusion in future evolutions of the QoS protocols.* It was noted that if we are using an IETF protocol and find a problem in need of correction, then we need to forward the information to the IETF for consideration.

e) *3GPP Individual members are encouraged to be active within the IETF mailing lists to participate in the various studies and answering the various questions posed by the IETF.* This request was brought to the attention of the delegates to 3GPP, who may wish to join the IETF mailing lists.

9 Project Management

9.1 Review of work programme

TD SP-010207 3GPP TS 21.102: 3rd Generation mobile system Release 4 Specifications. Some specifications were removed from the list, (24.012, 26.230, 26.231, 26.226, 31.120, 30.8xx,). **The GTT specification (26.226) was confirmed as moved to Rel-5, to align it's Release with 26.230.** It was noted that for 29.198 and 29.998 should be CN WG5. The TS was updated and provided in TD SP-010211 which was approved and placed under TSG SA change control as version 4.0.0 (Rel-4). Delegates were asked to verify all the documents listed as Rel-4 to ensure it's correctness.

TD SP-010208 3GPP TS 41.102: GSM Release 4 Specifications. The document was confirmed as a TS, rather than a TR, as stated on it's cover page, 04.12 was removed (should be 44.012). The TS was updated

and provided in TD SP-010212 which was approved and placed under TSG SA change control as version 4.0.0 (Rel-4). Delegates were asked to verify all the documents listed as Rel-4 to ensure it's correctness.

TD SP-010070 Specifications status prior to TSGs#11. This list was noted. Feedback to Mr. J. Meredith, MCC, was requested.

TD SP-010071 This was not available at the meeting, and will be made available after update with the full status after this meeting. It was noted that the Rapporteurs need to be verified, in particular for the GERAN specifications.

TD SP-010072 Spec numbers and titles. This was provided by Mr. J. Meredith, MCC, for information and was noted.

TD SP-010201 Release 4 specs expected to be created in March 2001. This was provided for information, and comments were welcomed from the WGs on the correctness of this list. Mr. Meredith reported that this document was outdated, and the more up-to-date list could be extracted from TS 21.102 and TS 41.102. This document was then noted.

9.2 Working methods

TD SP-010178 CR-014 to 21.900: Inclusion of GSM spec numbering scheme. This CR was approved.

TD SP-010206 CR-004 rev 1 to 21.101: Correction to list of specs. The TSG T Chairman reported that TR 31.900 would be submitted for approval as part of Release 1999. It was noted that this was included in the Release 1999 list. This CR was approved.

TD SP-010194 Proposed modification to CR cover sheet. This proposes the removal of the word "essential" from the Category F description (essential correction). There was some concern that the removal of this may indicate that changes which are not essential will be accepted to frozen Releases. It was pointed out that 21.900 defines only "correction" and not "essential correction". The proposal was accepted in order to align the CR cover sheet with 21.900. It was stressed that this does not relax the conditions for acceptance of Category F CRs for frozen Releases. **MCC were asked to update the CR cover page accordingly**.

TD SP-010193 CR to 21.801: Automatic numbering of references. This CR was approved. A request was made for MCC to provide a template which can ease and standardise the way of using automatic numbering during the **drafting** Phase of 3GPP specifications.

TD SP-010203 CR to 21.801: Permission to use the Visio drawing tool, and other clarifications. The inclusion of VISIO in the graphics tools was debated, as no good justification for including a new tool. The CR was revised in TD SP-010213 which was approved.

9.3 Other issues

It was proposed that a template for Liaison statements should be produced to help ensure that all necessary information (contact details etc.) is always included in LSs between groups.

10 Project support

TD SP-010185 Report of Support Team activities. Mr. Adrian Scrase, MCC presented the report of MCC activities since the last TSG meeting. Ban Al Bakri had left MCC and a new expert has been recruited, Andrijana Jurisic who will start work when work visas are completed. The report provided statistics for MCC activities and future budget and plans.

The plan to go over to fully wireless LAN for TSG meetings was presented, in order to reduce the costs for Hosts providing Wired LAN. A date of End 2001 to have fully wireless LAN operation was proposed. The plan was that MCC would provide the wireless equipment and portable servers and bring it to the meetings. Delegates would need to install wireless LAN cards in their PCs. By having a single server environment, the connection problems typically experienced at each meeting should be reduced. The idea was endorsed by TSG SA, and delegates were asked to investigate the installation of wireless LAN cards (802.11b standard) in their PCs.

It was reported that ETSI is in the process of producing a DVD which will contain all of the SMG meeting reports and documents and this raised the question of whether such a product would be of interest in the 3GPP community. A DVD could be prepared which contained all meeting reports, documents, status lists, etc. from TSG#01 to date which could be sold at a cost-recovery price. This idea was suggested briefly during TSG#10 but TSG SA may wish to again ask whether there is any interest in pursuing this idea. A straw-poll of delegates interested in purchasing CDs of the TSG meetings was made and a reasonable response was received. MCC were asked to consider this further.

11 Postponed issues from earlier in the meeting

12 Work plan and future meetings

TD SP-010188 Overview of future 3GPP TSG Plenary meetings. This was provided for information and was noted.

Ericsson reported that the Hotel situation in Stockholm can be difficult, so delegates were advised to book their Hotels early.

Meeting	2001	Location	Primary Host
TSG#12	12 –21 June	Stockholm	Ericsson
TSG#13	18 – 27 September	Beijing	Lucent/CWTS
TSG#14	11 - 20 December	Kyoto	ARIB/TTC
Meeting	**2002**	**Location**	**Primary Host**
TSG#15	5 – 14 March	Korea	TTA
TSG#16	4 –13 June	Rome (tbc)	Motorola
TSG#17	3 – 12 September	France	Alcatel
TSG#18	3 – 12 December	USA	NA 'Friends of 3GPP'
Meeting	**2003**	**Location**	**Primary Host**
TSG#19	March (tba)	UK	UK 'Friends of 3GPP'
TSG#20	June (tba)	Finland	Nokia

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

GTT Workshop 18-19 April, Europe

3G Evolution WorkShop 18-19 October Helsinki, Finland

13 Any other business

TD SP-010154 Generic Mobile TLD. This was presented by Nokia and proposes that 3GPP Partners, its IMs, and its MRPs are invited to further analyse the Generic Mobile TLD as a business concept, including potential enhanced or new technical solutions, mobile oriented content and services and implications of those in standards work. This proposal was noted.

The common template for presentations was agreed at SA#10, and some presentations used this. However many did not use the format, and **delegates were asked to remember to use the presentation template and format for future meetings**.

14 Close of meeting

The TSG SA Chairman outlined the achievements at the meeting, and thanked Mr. Armin Toepfer for his very good support as Vice Chairman.

The Chairman thanked the hosts, the secretarial support for helping to ensure a well-run meeting and the delegates for their hard work, and Closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

(needs verification on WG election results)

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
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Vice Chairman	Akishige Noda	Fujitsu				
Vice Chairman	Bonnie Chen	Motorola				
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A.2 TSG CN Officials

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Vice Chairman	Kunihiko Taya	NEC				
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A.3 TSG RAN Officials

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Vice Chairman	Francesco Grilli	Qualcomm Europe				
Vice Chairman	Vacancy					
Secretary	Hans van der Veen	3GPP Support Team	Hans.vanderVeen@etsi.fr	+33 4 92 94 42 61	+33 4 92 38 49 46	+33 6 74 40 83 64
TSG RAN WG3 Officials:						
Chairman	Martin Israelsson	Ericsson				
Vice Chairman	Jim Miller	InterDigital				
Vice Chairman	Chenghock Ng	NEC				
Secretary	Carolyn Taylor	3GPP Support Team	carolyn.taylor@etsi.fr	+33 4 92 94 43 52	+33 4 93 65 28 17	
TSG RAN WG4 Officials:						
Chairman	Howard Benn	Motorola	bennh@ecid.cig.mot.com	+44 1 793 566266	+44 1 793 566225	
Vice Chairman	Takaharu Nakamura	Fujitsu / ARIB	poco@flab.fujitsu.co.jp	+81 44 754 3850		
Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.fr	+33 4 92 94 43 21	+33 4 92 38 52 59	
3GPP Ad-hoc group on ITU (internal) co-ordination:						
Contact person	Nicola Magnani	CSELT	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.4 TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung	skpark@khgw.info.samsung.co.kr	+82 331 280 9835	+82 331 280 1660	
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Secretary	Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 4290	+33 4 92 38 5290	
TSG T WG1 Officials:						
Chairman	Bjarke Nielsen	Qualcomm	bnielsen@qualcomm.com	+49 89 7414 0806	+49 8442 916 349	+49 170 5488 456
Vice Chairman	Peter George	Anritsu UK	peterg@anritsu.co.uk	+44 143 874 0011	+44 143 874 0202	
Vice Chairman	Vacancy					
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 93 65 28 17	
TSG T WG2 Officials:						
Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Vice Chairman	Peter Neumann	Siemens	peter.neumann@mch.siemens.de	+49 89 72 23 67 18	+49 89 72 23 70 78	
Vice Chairman	Toshihiro Shimizu	Matsushita Communication	toshi.shimizu@mci.co.uk	+44 16 35 87 04 66	+44 16 35 87 13 45	
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 93 65 28 17	
TSG T WG3 Officials:						
Chairman	Klaus Vedder	Giesecke & Devrient	klaus.vedder@gdm.de	+49 89 4119 1542	+49 89 4119 1540	
Vice Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169		
Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr			
Secretary	Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 4290	+33 4 92 38 5290	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Michael Färber	Siemens	michael.faerber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 5206	+33 6 74 40 83 73
TSG GERAN WG1 Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 5206	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	Bruno Landais	Alcatel France	Bruno.Landais@alcatel.fr	+33 6 70 03 20 65	+33 1 30 77 94 30	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.fr	+33 4 92 94 43 84	+33 4 93 65 28 17	
TSG GERAN WG3 Officials:						
Chairman	Äke Busin	Ericsson	ake.busin@era.ericsson.se	+46 8 757 2231	+46 8 404 5590	+46 8 757 2231
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 93 65 28 17	
TSG GERAN WG4 Officials:						
Chairman	Jean-Marc Recouvreux	Alcatel	jean-marc.recouvreux@alcatel.fr	+33 1 55 66 33 87	+33 1 55 66 64 02	
Vice Chairman	Tim Beard	Anite	tim.beard@anitetelecoms.com	+44 1252 775 337	+44 1252 775 299	
Vice Chairman	Vacancy					
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 93 65 28 17	

Annex B: List of documents

Comments to be added later (summary of decisions in meeting)

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010001	Draft agenda for Meeting #11	Chairman	2.1	Approval	
SP-010002	Draft report of meeting #10 (version 0.0.5)	Secretary	2.2	Approval	
SP-010003	LS from ECMA TC32: New ECMA QSIG Standard on Short Message Service (SMS) in a Private Network (PISN)	ECMA TC32	6.3	Comment	
SP-010004	LS from CN WG1: LS on Problem with GPRS and Roaming	CN WG1	8.1.1	Information	
SP-010005	LS from CN WG1: LS on PLMN Selection and Re-selection Issues	CN WG1	8.1.1	Information	
SP-010006	LS from RAN WG3: Feedback on UTRAN OAM Procedures Work Item	RAN WG3	8.2.1	Information	
SP-010007	LS from SA WG2: Provision of Open Interfaces within the GERAN & UMTS for LCS Support	SA WG2	7.1.2	Information	
SP-010008	LS from SA WG5: Feedback LS on UTRAN OAM Procedures (Feature-level Work Item: UOAM)	SA WG5	7.5.2	Information	
SP-010009	Draft report of 3GPP TSG SA workshop on UE in idle mode	Workshop Chairman	5	Information	
SP-010010	LS from CN WG3 requesting clarification on interworking between IM domain and CS networks	CN WG3	8.1.1	Action	
SP-010011	Liaison statement from TSG CN on 3GPP-3GPP2 Inter-system roaming	TSG CN	8.1.1	Action	
SP-010012	Letter from GSM North America: Location Services Functionality in 3GPP Specifications	GSM North America	6.2	Discussion	
SP-010013	Withdrawing the SA Work Item on open LCS interfaces	SA WG2	7.2.2	Approval	
SP-010014	LS from SA WG2: Response to LS (T2-000793) on discussion document on UE functionality split over physical devices	SA WG2	7.2.2	Information	
SP-010015	Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Discussion	SP-010149
SP-010016	R99 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Decision	SP-010150
SP-010017	Rel-4 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Decision	SP-010151
SP-010018	R99 CR to 23.122: Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Information	
SP-010019	R99 CR to 24.008: Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Information	
SP-010020	Rel-4 CR to 24.008: Equivalent handling of PLMNs with different PLMN codes	Telia, Motorola	5	Information	
SP-010021	Status report from SA WG5 to SA#11	SA WG5 Chairman	7.5.1	Information	
SP-010022	CRs to 3G Telecom Management principles and high level requirements (32.101)	SA WG5	7.5.3	Decision	
SP-010023	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005)	SA WG5	7.5.3	Decision	
SP-010024	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015)	SA WG5	7.5.3	Decision	
SP-010025	3G charging data description for the CS domain (32.xyz) -- New TS for Release 4 replacing R99 TS 32.005	SA WG5	7.5.3	Decision	
SP-010026	CRs to 3G Telecom Management Architecture (32.102)	SA WG5	7.5.3	Decision	
SP-010027	CRs to Configuration Management; Part 2: Notification Integration Reference Point; Information Service Version 1 (32.106-2)	SA WG5	7.5.3	Decision	
SP-010028	CRs to Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set Version 1:1 (32.106-3)	SA WG5	7.5.3	Decision	
SP-010029	CRs to Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (32.106-5)	SA WG5	7.5.3	Decision	
SP-010030	CRs to Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1 (32.106-6)	SA WG5	7.5.3	Decision	
SP-010031	CRs to Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1 (32.106-7)	SA WG5	7.5.3	Decision	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010032	CRs to: Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set Version 1:1 (32.111-3)	SA WG5	7.5.3	Decision	
SP-010033	Presentation of Status report from SA WG1 to SA#11	SA WG1	7.1.1	Information	
SP-010034	Status report from SA WG1 to SA#11	SA WG1	7.1.1	Information	
SP-010035	LS to SA on IM Emergency Call without USIM	SA WG1	7.1.2	Decision	
SP-010036	CRs to 02.11 and 22.011 on Roaming restrictions for GPRS (Release '97)	SA WG1	7.1.3	Approval	
SP-010037	CR to 02.71 on Deletion of reference to GSM 10.71	SA WG1	7.1.3	Approval	
SP-010038	CR to 21.905 for Inclusion of commonly used definitions	SA WG1	7.1.3	Approval	
SP-010039	CRs to 22.002 clarification on Circuit Switched Bearer Services in UMTS	SA WG1	7.1.3	Approval	
SP-010040	CRs to 22.002 on Restructuring of 22.002	SA WG1	7.1.3	Approval	
SP-010041	CRs to 22.041 to remove ODB for Packet Oriented Services from Release 99	SA WG1	7.1.3	Approval	
SP-010042	CRs to 22.041 on Operator Determined Barring – Zonal Barring	SA WG1	7.1.3	Approval	
SP-010043	CR to 22.057 on MeXE service discovery	SA WG1	7.1.3	Approval	
SP-010044	CRs to 22.071 on various subjects	SA WG1	7.1.3	Approval	
SP-010045	Editorial and alignment CRs to 22.078	SA WG1	7.1.3	Approval	
SP-010046	CRs to 22.078 on Support of previous phases of CAMEL	SA WG1	7.1.3	Approval	
SP-010047	CRs to 22.078 on Interaction between CAMEL control of MO-SMS and Call Barring & ODB	SA WG1	7.1.3	Approval	
SP-010048	CRs to 22.078 on Correction of interaction between CAMEL and BOIC	SA WG1	7.1.3	Approval	
SP-010049	CRs to 22.078 to add new subclause regarding to the CAMEL interactions with ODB for the Packet Oriented Services	SA WG1	7.1.3	Approval	
SP-010050	CRs to 22.078 on Corrections of congestion control procedure	SA WG1	7.1.3	Approval	
SP-010051	Various CRs to 22.078	SA WG1	7.1.3	Approval	
SP-010052	CR to 22.082 on Notification of active CFU	SA WG1	7.1.3	Approval	
SP-010053	CRs to 22.101 on handling of interactions between applications requiring the access to UE resources	SA WG1	7.1.3	Approval	
SP-010054	CRs to 22.101 on PLMN name indication	SA WG1	7.1.3	Approval	
SP-010055	CRs to 22.101 on CR to 22.101 on Introduction of CPHS features	SA WG1	7.1.3	Approval	
SP-010056	CRs to 22.101 on Display of service provider name in the UE	SA WG1	7.1.3	Approval	
SP-010057	CR to 22.101 on Clarifications on IMS emergency call support	SA WG1	7.1.3	Approval	
SP-010058	CR to 22.115 on Introduction of charging for IPMultimedia and Event Based Charging	SA WG1	7.1.3	Approval	
SP-010059	Various CRs to 22.121	SA WG1	7.1.3	Approval	
SP-010060	CRs to 22.127 V 4.0.0 on User interaction(Release 4)	SA WG1	7.1.3	Approval	
SP-010061	CR to 22.129 to correct references to releases	SA WG1	7.1.3	Approval	
SP-010062	Various CRs to 22.140	SA WG1	7.1.3	Approval	
SP-010063	CR to 22.228 on IMS to PSTN/ISDN interworking for basic voice calls only	SA WG1	7.1.3	Approval	
SP-010064	Work Items for approval from SA1	SA WG1	7.1.3	Approval	
SP-010065	SA1's requirement for transfer of specs from R99 to Rel-4	SA WG1	7.1.2	Approval	
SP-010066	CR014 to 21.900	MCC		Approval	
SP-010067	CR004 to 21.101	MCC		Approval	SP-010206
SP-010068	21.102 v2.0.0	MCC		Approval	SP-010207
SP-010069	41.102 v2.0.0	MCC		Approval	SP-010208
SP-010070	Specs status list prior to TSGs#11	MCC		Information	
SP-010071	Specs status list at end of TSG-SA#11	MCC			
SP-010072	Spec numbers and titles	MCC		Information	
SP-010073	Release 4 specs expected to be created in March 2001	MCC		Information	SP-010201
SP-010074	DRAFT Response to SA5 regarding UO&M Procedures Work Item (R3-010928)	Vodafone Group Plc (will be RAN WG3)		Information	
SP-010075	LS on 3GPP Vocabulary document TR21.905 (R4-010451)	RAN WG4		Information	
SP-010076	Removal of Visited Control S-CSCF option from the Rel 5 architecture (S2-010385)	SA WG2		Information	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010077	REQUEST FOR INFORMATION FOR PROPOSED ITU-T RECOMMENDATIONS BEING DEVELOPED BY THE SPECIAL STUDY GROUP ON “IMT-2000 AND BEYOND”	ITU-T Special Study Group on “IMT-2000 and Beyond”		Information	
SP-010078	REQUEST FOR INFORMATION FOR PROPOSED ITU-T TECHNICAL REPORT BEING DEVELOPED BY THE SPECIAL STUDY GROUP ON “IMT-2000 AND BEYOND”	ITU-T Special Study Group on “IMT-2000 and Beyond”		Information	
SP-010079	LS on Packet Streaming Service Architecture (S2-010748)	SA WG2		Information	
SP-010080	Multiple PLMNs (Working Assumptions from UE in Idle Mode Workshop)	Motorola	7.16	Information	
SP-010081	TSG S4 Status Report at TSG-SA#11	SA WG4 Chairman	7.4.1	Information	
SP-010082	3GPP TS 26.171 version 2.0.0 "AMR Wideband Speech Codec; General description" (Release 4)	SA WG4	7.4.3	Approval	
SP-010083	3GPP TS 26.173 version 2.0.0 "AMR Wideband Speech Codec; C-source code" (Release 4)	SA WG4	7.4.3	Approval	
SP-010084	3GPP TS 26.174 version 2.0.0 "AMR-WB speech codec; test sequences" (Release 4)	SA WG4	7.4.3	Approval	
SP-010085	3GPP TS 26.190 version 2.0.0 "AMR Wideband Speech Codec; Transcoding Functions" (Release 4)	SA WG4	7.4.3	Approval	
SP-010086	3GPP TS 26.191 version 2.0.0 "AMR Wideband Speech Codec; Error concealment of erroneous or lost frames" (Release 4)	SA WG4	7.4.3	Approval	
SP-010087	3GPP TS 26.192 version 2.0.0 "AMR Wideband Speech Codec; CN for AMR Speech Traffic Channels" (Release 4)	SA WG4	7.4.3	Approval	
SP-010088	3GPP TS 26.193 version 2.0.0 "AMR Wideband Speech Codec; Source Controlled Rate operation" (Release 4)	SA WG4	7.4.3	Approval	
SP-010089	3GPP TS 26.194 version 2.0.0 "AMR Wideband Speech Codec; VAD for AMR Speech Traffic Channels" (Release 4)	SA WG4	7.4.3	Approval	
SP-010090	3GPP TS 26.201 version 2.0.0 "AMR Wideband Speech Codec; Speech Codec Frame Structure" (Release 4)	SA WG4	7.4.3	Approval	
SP-010091	3GPP TS 26.202 version 2.0.0 "AMR-WB speech codec; interface to Iu and Uu" (Release 4)	SA WG4	7.4.3	Approval	
SP-010092	3GPP TS 26.231 version 2.0.0 "Cellular Text Telephone Modem; Minimum Performance Specification" (Release 4)	SA WG4	7.4.3	Approval	
SP-010093	3GPP TS 26.233 v. 2.0.0 "Transparent end-to-end packet switched streaming service; General description" (Release 4)	SA WG4	7.4.3	Approval	
SP-010094	3GPP TS 26.234 version 2.0.0 "Transparent end-to-end packet switched streaming services (PSS); Protocols and codecs" (Release 4)	SA WG4	7.4.3	Approval	
SP-010095	3GPP TS 26.235 version 2.0.0 "Packet Switched Conversational Multimedia Applications; Default Codecs" (Release 4)	SA WG4	7.4.3	Approval	
SP-010096	3GPP TS 28.062 version 2.0.0 "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4)	SA WG4	7.4.3	Approval	
SP-010097	3GPP TR 26.975 version 2.0.0 "Performance Characterization of the AMR Speech Codec" (Release 1999)	SA WG4	7.4.3	Approval	
SP-010098	CRs TS 02.53 and TS 03.53 on Extension of TFO to AMR (Release 4)	SA WG4	7.4.3	Approval	
SP-010099	CRs TS 03.50 on Harmonisation of requirements on terminal acoustics in GSM and 3G (Release 4 and Release 5)	SA WG4	7.4.3	Approval	
SP-010100	CRs to TS 06.73 and TS 26.073 on Corrections to AMR codec (R98, R99, Release 4)	SA WG4	7.4.3	Approval	
SP-010101	CRs to TS 06.74 and TS 26.074 on Update of AMR codec test sequences after CRs to TS 06.73 and TS 26.073 (R98, R99, Release 4)	SA WG4	7.4.3	Approval	
SP-010102	CRs to TS 06.77 on Addition of test plan and tidying (R99)	SA WG4	7.4.3	Approval	
SP-010103	CRs to TS 26.102 on Introduction of TFO and TrFO (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010104	CRs to TS 26.103 on AMR-WB and TFO (Release 4)	SA WG4	7.4.3	Approval	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010105	CRs to TS 26.110 on Corrections and Support of mobile multi-link operation in 3G-324M (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010106	CRs to TS 26.131 on Harmonisation of acoustic requirements between 3GPP and GSM and WB acoustic requirements (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010107	CRs to TS 26.132 on Harmonisation of test methods for acoustics between 3GPP and GSM and Compatibility with testing wideband telephony transmission performance (R99 and Release 4)	SA WG4	7.4.3	Approval	
SP-010108	CR to Ts 26.230 on Bug fix in source code of the CTM receiver (Release 4)	SA WG4	7.4.3	Approval	
SP-010109	CR to TR 26.911 on ITU-T V.80 support for 3G terminals (Release 4)	SA WG4	7.4.3	Approval	
SP-010110	WITHDRAWN (Not needed by SA WG4)				
SP-010111	MCC review of the Work Plan	MCC	9.1		SP-010183
SP-010112	Work Plan - version March 9th	MCC	9.1		SP-010184
SP-010113	Report of Meetings between the CN Chair and IETF Area	TSG CN Chairman	8.1.1	Information	
SP-010114	S2 report to SA#11	SA WG2	7.2.1	Information	
SP-010115	CRs on 23.002	SA WG2	7.2.3	Approval	
SP-010116	CRs on 03.60 and 23.060	SA WG2	7.2.3	Approval	
SP-010117	CRs on 23.107	SA WG2	7.2.3	Approval	
SP-010118	CRs on 23.127	SA WG2	7.2.3	Approval	
SP-010119	CRs on 23.221	SA WG2	7.2.3	Approval	
SP-010120	CRs on 03.71, 23.171 and 23.271	SA WG2	7.2.3	Approval	
SP-010121	TS 23.228 v.2.0.0	SA WG2	7.2.3	Approval	
SP-010122	TS 23.221 v.2.0.0	SA WG2	7.2.3	Approval	
SP-010123	TR 23.873 v.2.0.0	SA WG2	7.2.3	Approval	
SP-010124	Reserved SA WG2	SA WG2			
SP-010125	Reserved SA WG2	SA WG2			
SP-010126	IMEI format and structure changes	GSM TWG Chairman		Discussion	
SP-010127	(Proposed LS) - Response LS on Periodic Network selection attempt - Reply to S1-010231/N1-010340	CN WG1		Information	
SP-010128	on the inclusion of the feature AMR-WB in 3GPP Rel4	Siemens AG	7.4 / 8.7	Decision	
SP-010129	Status Report from SA WG3 to SA#11	SA WG3 Chairman	7.3.1	Information	
SP-010130	1 Corrective CR to 03.35 version 8.0.0	SA WG3	7.3.3	Approval	
SP-010131	7 Corrective CRs to 33.102 version 3.7.0	SA WG3	7.3.3	Approval	
SP-010132	2 Category C, Rel-4 CRs to 33.102 version 3.7.0	SA WG3	7.3.3	Approval	
SP-010133	1 Corrective CR to 33.103 version 3.4.0	SA WG3	7.3.3	Approval	
SP-010134	3 Corrective CRs to 33.105 version 3.6.0	SA WG3	7.3.3	Approval	
SP-010135	1 Category C, Rel-4 CR to 33.106 version 3.1.0	SA WG3	7.3.3	Approval	
SP-010136	1 Category C, Rel-5 CR to 33.106 version 3.1.0	SA WG3	7.3.3	Approval	
SP-010137	1 Corrective CR to 33.107 version 3.1.0	SA WG3	7.3.3	Approval	
SP-010138	Candidature for TSG SA Chairman: Niels Peter Skov Andersen	Motorola	3	Information	
SP-010139	Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Gary Jones	VoiceStream	3	Information	
SP-010140	Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Hiroshi Nakamura	NTT DoCoMo	3	Information	
SP-010141	Nomination for 3GPP Service and System Aspects TSG Vice Chairman: Armin Toepfer	Mannesmann Mobilfunk GmbH	3	Information	
SP-010142	Replaced by SP-010186		3	Information	
SP-010143	Draft report of SA WG3 meeting #17	SA WG3 Secretary	7.3.1	Information	
SP-010144	Authentication algorithm evaluation report v1.0	SA WG3	7.3.3	Approval	
SP-010145	Work Item Description: End-to-end security	SA WG3	7.3.3	Approval	
SP-010146	CR on 33.107 Rel-4	SA WG3	7.3.3	Approval	
SP-010147	WITHDRAWN				
SP-010148	Status Report from TSG GERAN	TSG GERAN Convenor	8.4.1	Information	
SP-010149	Equivalent handling of PLMNs with different PLMN codes (rev SP-010015)	Telia, Motorola	5	Discussion	
SP-010150	R99 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes (rev SP-010016)	Telia, Motorola	5	Decision	
SP-010151	Rel-4 CR to 22.011: Equivalent handling of PLMNs with different PLMN codes (rev SP-010017)	Telia, Motorola	5	Decision	
SP-010152	LS (to TSG RAN) on UE ciphering capabilities (S3-010136)	SA WG3	7.3.2	Information	
SP-010153	Work Item Description: Network-based end-to-end security (revised after SA WG3 meeting - SP-010145)	SA WG3	7.3.3	Approval	
SP-010154	Generic Mobile TLD	Nokia		Discussion	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010155	IP Based MultiMedia Services Examples - Progress Report SA1 IMS Adhoc (presentation slides)	SA WG1 Vice Chairman (R Wohlert)	7.1.1	Discussion	
SP-010156	IP Based MultiMedia Services Framework Specification Proposal	SBC Communications	8.11	Discussion and Agreement	
SP-010157	Convergence of QoS approaches in 3GPP and TIPHON	SA WG2	7.2.2	Information	
SP-010158	Response to LS on IM Emergency Call without USIM	SA WG2	7.2.2	Information	
SP-010159	Liaison Statement on IMS Service Provision	SA WG2	7.2.2	Information	SP-010176
SP-010160	Missing LCS QoS, Priority, Request type, Assistance data, Client type, Stop reporting type parameters over Iu interface RANAP 25.413 (LOCATION REPORTING CONTROL and LOCATION REPORT messages).	SA WG2	7.2.2	Information	
SP-010161	draft LS on GTT capability in Release 4	SA WG2	7.2.2	Discussion / Decision	
SP-010162	3GPP Future Evolution	Nokia	4 /8.10	Discussion	
SP-010163	Various CRs to 22.127 Rel-4	SA WG1 OSA ad hoc	7.1.3	Approval	
SP-010164	CR to 22.127: Clarification to the requirements of the event notification function	SA WG1 OSA ad hoc	7.1.3	Approval	
SP-010165	LS on basic and advanced service examples	SA WG1 IMS ad hoc	7.1.2	Information	
SP-010166	Deletion of WIs with impact on other TSGs	TSG CN Plenary			
SP-010167	Plea for detailed requirements discussion to take place in SA1 before service development starts	Incoming SA1 Chairman, Outgoing T2 Chairman			
SP-010168	Canditature of Niels Peter Skov Andersen	Motorola			
SP-010169	Status Report of TSG CN #11	CN Chairman			SP-010190
SP-010170	Status Report slides from TSG CN #11	CN Chairman			
SP-010171	Report of LCS workshop , 11-12 Jan	Qualcomm	5		
SP-010172	WITHDRAWN				
SP-010173	LS on Operating Frequency Band as a Release independent work item	TSG-RAN			
SP-010174	Global Text Telephony Issues	Vodafone,	7.2.3		
SP-010175	Chairmans report from TSG RAN	RAN Chairman			
SP-010176	(Rev. SP-010159) Liaison Statement on IMS Service Provision	SA WG2	7.2.2		
SP-010177	Response to LS (T2-000793) on discussion document on UE functionality split over physical devices	T3			
SP-010178	(Rev. SP-010066) CR014 to 21.900	MCC		Approval	
SP-010179	Release 5 WI on prepaid/online charging	Telia, Vodafone, Ericsson,Telenor	7.11	Approval	
SP-010180	Release 5 WI on Le Interface	Motorola, Ericsson, Siemens, Nokia	7.11	Approval	
SP-010181	Security Solution for Release 5 IMS	AT&T Wireless, BT Wireless		Discussion, action	
SP-010182	Status Report of TSG T #11	T Chairman			
SP-010183	(Rev.SP-010111) MCC review of the work plan	MCC			
SP-010184	(Rev.SP-010112) Work Plan version March 20th	MCC			
SP-010185	Report of Support Team activities	MCC			
SP-010186	Canditature of Remi Thomas	France Telecom			
SP-010187	Clarification on CR008 to 22.127 (related to SP-010164)	Siemens AG	7.1.3		
SP-010188	Overview of future 3GPP TSG Plenary meetings	MCC			
SP-010189	Proposal WI Support for Emergency Call from UES without USIM in Networks containing an IM CN Subsytem	Lucent			SP-010202
SP-010190	(Rev. SP-010169) Status Report of TSG CN #11	CN Chairman			
SP-010191	Rel-4 Late submission form: Network Domain Security	SA WG3	8.4.2		
SP-010192	IETF-3GPP Report	AT&T Wireless			
SP-010193	CR 28.801 on Automatic numbering of references	Vodafone			
SP-010194	Proposed modification to CR cover sheet	Vodafone	9.2	Decision	
SP-010195	Worshop on 3G Services - Details and Work Programme	UMTS Forum	8.10		
SP-010196	Assessing the Requirements for Deploying Key 3G Services	UMTS Forum	8.10	Discussion	
SP-010197	UMTS Forum Report No. 9 Service Categories	UMTS Forum	8.10		
SP-010198	3G Services Deployment Workshop	UMTS Forum	8.10		
SP-010199	CRs 008 Rev 3 and 009 TS 26.103 on UMTS-AMR 2 and AMR Wideband	Ericsson and Nokia	7.4.3/11	Approval	
SP-010200	Election of 3GPP TSGs Chairmen and Vice Chairmen	MCC			
SP-010201	(Rev. SP-010073) Release 4 specs expected to be created in March 2001	MCC		Information	

Number	Title	Source	Agenda item	Document for	Replaced by
SP-010202	(Rev. SP-010189) Proposal WI Support for Emergency Call from UES without USIM in Networks containing an IM CN Subsytem	Lucent			SP-010210
SP-010203	CR 21.801 on 'Permission to use the Visio drawing tool, and other clarifications'	Vodafone			SP-010213
SP-010204	Draft Letter Back to ITU-T SSG Chairman	NTT DoCoMo			
SP-010205	Draft LS on Y-Shaped PDP contexts and GTP sequence number	Vodafone			
SP-010206	(Rev. SP-010067) CR004 to 21.101	MCC		Approval	
SP-010207	(Rev. SP-010068) 21.102 v2.0.0	MCC		Approval	SP-010207
SP-010208	(Rev. SP-010069) 41.102 v2.0.0	MCC		Approval	SP-010212
SP-010209	content of rel-4 and rel-5	MCC			
SP-010210	(Rev. SP-010202) Proposal WI Support for Emergency Call from UES without USIM in Networks containing an IM CN Subsytem	Lucent			
SP-010211	(Rev. SP-010207) 21.102 v2.0.0	MCC		Approval	SP-010208
SP-010212	(Rev.SP-010208) 41.102 v2.0.0	MCC		Approval	
SP-010213	(Rev. SP-010203) CR 21.801 on 'Permission to use the Visio drawing tool, and other clarifications'	Vodafone			

Annex C: List of attendees and TSG SA Voting List

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The attached list has not been verified: Please check that your attendance is recorded here:

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C.2 List of eligible Voting members for TSG SA#12

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #10 or #09 (representation of an Individual Member at any of TSG SA Meetings #09, #10 or #11).

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

List Created on: <DATE>

This report shows the 3GPP Member Companies on the Voting List for **TSG SA Meeting #12**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.fr

Organisation Name	Organisation Status	Partner
Accord Networks (UK) Ltd	3GPPMEMBER	ETSI
Agere Systems Deutschland GmbH & Co. KG.	3GPPMEMBER	ETSI
AirNet Communications Corp.	3GPPMEMBER	ETSI
ALCATEL France	3GPPMEMBER	ETSI
ALCATEL SEL AG	3GPPMEMBER	ETSI
AT&T Corp.	3GPPMEMBER	T1
AT&T Wireless Services, Inc.	3GPPMEMBER	T1
AWARD Solutions Inc. A.S.I.	3GPPMEMBER	ETSI
BLU S.p.a	3GPPMEMBER	ETSI
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER	ETSI
BOUYGUES Telecom	3GPPMEMBER	ETSI
BT	3GPPMEMBER	ETSI
CATT	3GPPMEMBER	CWTS
CEGETEL	3GPPMEMBER	ETSI
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER	ETSI
China Mobile Company Corporation (CMCC)	3GPPMEMBER	CWTS
Cingular Wireless LLC	3GPPMEMBER	T1
Cisco Systems Inc.	3GPPMEMBER	ETSI
Cisco Systems Inc.	3GPPMEMBER	T1
COMNEON GmbH & Co	3GPPMEMBER	ETSI
COMPAQ Computer SpA	3GPPMEMBER	ETSI
Comverse Network Systems (CNS) Europe B.V.	3GPPMEMBER	ETSI
Conexant Systems, Inc.	3GPPMEMBER	T1
Convergelabs GmbH	3GPPMEMBER	ETSI
Dansk MobilTelefon I/S	3GPPMEMBER	ETSI
Deutsche Telekom MobilNet GmbH	3GPPMEMBER	ETSI
DoCoMo Europe S.A.	3GPPMEMBER	ETSI
DTI - Department of Trade and Industry	3GPPMEMBER	ETSI
E-PLUS Mobilfunk	3GPPMEMBER	ETSI
ERA-GSM POLSKA TELEFONIA CYFROWA SP. Z O.O.	3GPPMEMBER	ETSI
Ericsson Incorporated	3GPPMEMBER	T1
Ericsson Korea	3GPPMEMBER	TTA
Telefon AB LM Ericsson	3GPPMEMBER	ETSI
Electronics & Telecommunications Research Institute	3GPPMEMBER	TTA
FEEI - Fachverband der Elektro- und Elektronikindustrie Bereich Technik	3GPPMEMBER	ETSI
Finnet Group	3GPPMEMBER	ETSI
France Telecom	3GPPMEMBER	ETSI
FUJITSU Europe Telecom R & D Centre	3GPPMEMBER	ETSI
Fujitsu Limited	3GPPMEMBER	ARIB
Fujitsu Limited	3GPPMEMBER	TTC
GIESECKE & DEVRIENT GmbH	3GPPMEMBER	ETSI
Golden Bridge Technology Inc.	3GPPMEMBER	T1
HEWLETT-PACKARD France	3GPPMEMBER	ETSI
Hutchison 3G UK Limited	3GPPMEMBER	ETSI
HYUNDAI Electronics Co, Ltd	3GPPMEMBER	TTA
IAEI - Israel Association of Electronics Industries	3GPPMEMBER	ETSI
ICP - Instituto das Comunicacoes de Portugal	3GPPMEMBER	ETSI
Japan Telecom Co. Ltd	3GPPMEMBER	ARIB
Japan Telecom Co. Ltd	3GPPMEMBER	TTC
Korea Telecom Freetel	3GPPMEMBER	TTA

Organisation Name	Organisation Status	Partner
Korea Telecom., Ltd	3GPPMEMBER	TTA
KPN - Koninklijke PTT Nederland NV	3GPPMEMBER	ETSI
LG Electronics Inc.	3GPPMEMBER	TTA
LG Technology Center Europe	3GPPMEMBER	ETSI
Lucent Technologies	3GPPMEMBER	T1
Lucent Technologies Network System GmbHs	3GPPMEMBER	ETSI
Lucent Technologies EMEA B.V.	3GPPMEMBER	ETSI
Lucent Technologies Japan Ltd.	3GPPMEMBER	TTC
Lucent Technologies Network Systems UK	3GPPMEMBER	ETSI
MANNESMANN Mobilfunk GmbH	3GPPMEMBER	ETSI
MARCONI COMMUNICATIONS	3GPPMEMBER	ETSI
Materna GmbH	3GPPMEMBER	ETSI
Matsushita Communication Industrial Co, Ltd	3GPPMEMBER	ARIB
MATSUSHITA COMMUNICATION INDUSTRIAL UK LTD	3GPPMEMBER	ETSI
MAX.MOBIL. TELEKOMMUNIKATION SERVICE GMBH	3GPPMEMBER	ETSI
MICROSOFT EUROPE SARL	3GPPMEMBER	ETSI
ISTITUTO SUPERIORE DELLE COMUNICAZIONI E DELLE TECNOLOGIE DELL' INFORMAZIONE	3GPPMEMBER	ETSI
Mitsubishi Electric Co.	3GPPMEMBER	ARIB
MITSUBISHI Electric Telecom Europe S.A.	3GPPMEMBER	ETSI
MOTOROLA A/S	3GPPMEMBER	ETSI
MOTOROLA GmbH	3GPPMEMBER	ETSI
Motorola Inc.	3GPPMEMBER	T1
MOTOROLA INDIA ELECTRONICS LTD	3GPPMEMBER	ETSI
MOTOROLA Ltd	3GPPMEMBER	ETSI
MOTOROLA S.A.	3GPPMEMBER	ETSI
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER	ETSI
National Communications System	3GPPMEMBER	ETSI
NATIONAL RADIOCOMMUNICATIONS AGENCY	3GPPMEMBER	ETSI
NEC Corporation	3GPPMEMBER	ARIB
NEC Corporation	3GPPMEMBER	TTC
NOKIA Corporation	3GPPMEMBER	ETSI
Nokia Telecommunications Inc.	3GPPMEMBER	T1
NOKIA UK Ltd	3GPPMEMBER	ETSI
Nortel Networks (USA)	3GPPMEMBER	T1
NORTEL NETWORKS (EUROPE)	3GPPMEMBER	ETSI
Norwegian Post and Telecommunications Authority	3GPPMEMBER	ETSI
National Transcommunications Ltd	3GPPMEMBER	ETSI
Nippon Telegraph and Telephone Corporation (NTT)	3GPPMEMBER	TTC
NTT DoCoMo Inc	3GPPMEMBER	TTC
NTT DoCoMo Inc.	3GPPMEMBER	ARIB
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER	ETSI
OKI Electric Europe GmbH	3GPPMEMBER	ETSI
OKi Electric Industry Co., Ltd	3GPPMEMBER	ARIB
OMNITEL Pronto Italia SpA	3GPPMEMBER	ETSI
One 2 One Personal Commmunications Limited	3GPPMEMBER	ETSI
ORANGE PCS LTD	3GPPMEMBER	ETSI
PANASONIC Deutschland GmbH c/o Matsushita European Technology Center (E-TEC)	3GPPMEMBER	ETSI
PHILIPS CONSUMER COMMUNICATION	3GPPMEMBER	ETSI
PT Comunicacoes SA	3GPPMEMBER	ETSI
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER	ETSI
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER	ETSI
RadioScape Limited	3GPPMEMBER	ETSI
RITT	3GPPMEMBER	CWTS
Rogers Wireless Inc.	3GPPMEMBER	T1
SAMSUNG Electronics Research Institute	3GPPMEMBER	ETSI
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER	TTA
SBC Communications Inc.	3GPPMEMBER	T1
SCHLUMBERGER Automatic Test Equipment	3GPPMEMBER	ETSI
SEMA GROUP TELECOMS	3GPPMEMBER	ETSI
SHARP Corporation	3GPPMEMBER	ARIB
SIEMENS AG	3GPPMEMBER	ETSI

Organisation Name	Organisation Status	Partner
SIEMENS ATEA NV	3GPPMEMBER	ETSI
SIEMENS Information and Communication Networks SpA	3GPPMEMBER	ETSI
Siemens K.K.	3GPPMEMBER	TTC
SONERA Corporation	3GPPMEMBER	ETSI
SONY Corporation	3GPPMEMBER	ARIB
SWISSCOM SA	3GPPMEMBER	ETSI
SYNOPSYS GmbH	3GPPMEMBER	ETSI
TEKTRONIX GmbH & Co KG	3GPPMEMBER	ETSI
Telcordia Technologies Inc.	3GPPMEMBER	T1
TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI
Telecom Modus Limited	3GPPMEMBER	ETSI
TELECOMMUNICATIONS ADMINISTRATION CENTRE	3GPPMEMBER	ETSI
TELEFONICA DE ESPAÑA SA	3GPPMEMBER	ETSI
Telekom Austria Aktiengesellschaft	3GPPMEMBER	ETSI
Telelogic AB	3GPPMEMBER	ETSI
Telenor AS	3GPPMEMBER	ETSI
TELIA AB	3GPPMEMBER	ETSI
Telrad Networks Ltd.	3GPPMEMBER	ETSI
TTP COMMUNICATIONS LTD	3GPPMEMBER	ETSI
Unisys Deutschland GmbH	3GPPMEMBER	ETSI
VIP-NET GSM d.o.o.	3GPPMEMBER	ETSI
Vodafone Belgium S.A/N.V.	3GPPMEMBER	ETSI
VODAFONE Group Plc	3GPPMEMBER	ETSI
VoiceStream Wireless Corporation	3GPPMEMBER	T1
WAVECOM SA	3GPPMEMBER	ETSI
WIND TELECOMUNICAZIONI SPA	3GPPMEMBER	ETSI
XIRCOM EUROPE N.V.	3GPPMEMBER	ETSI
Zhongxing Telecom Ltd.	3GPPMEMBER	CWTS

139 Voting Members

Annex D: Status list of Specifications and Reports after TSG SA Meeting #11

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

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
Release 1999 3GPP Specifications and reports							
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.3.0	R1999	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.3.0	R1999	T3	KALINER, Stefan	
TS	21.133	Security Threats and Requirements	3.1.0	R1999	S3	CHRISTOFFERSSON, Per	
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R1999	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.900	3GPP working methods	3.6.0	R1999	SP	MEREDITH, John M	
TR	21.904	UE Capability Requirements (UCR)	3.3.0	R1999	T2	SOOD, Prem	
TR	21.905	3G Vocabulary	3.2.0	R1999	S1	ZARRI, Michele	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R1999	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	R1999	N2	SMITH, David	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services Supported by a PLMN	3.6.0	R1999	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.2.0	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	3.2.1	R1999	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.011	Service accessibility	3.4.0	R1999	S1	GALLAIRE, Jean Paul	Transfer>TSG#4,CR at TSG#5
TS	22.016	International Mobile Equipment Identities (IMEI)	3.2.0	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.022	Personalisation of GSM ME Mobile functionality specification ; Stage 1	3.1.0	R1999	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4,CR at TSG#5
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R1999	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	3.4.0	R1999	S1	TOIVANEN, Annukka	Transfer>TSG#4,CR at TSG#5
TS	22.034	High Speed Circuit Switched Data (HSCSD) ; Stage 1	3.2.1	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.038	SIM application toolkit (SAT); Stage 1	3.2.0	R1999	S1	ROBINSON, Bill	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.0	R1999	S1	WOLAK, Stephen	Transfer>TSG#4,CR at TSG#5
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	3.0.1	R1999	S1	DAHLKVIST, Mikael	Transfer>TSG#4,CR at TSG#5
TS	22.043	Support of Localised Service Area (SoLSA) ; Stage 1	3.1.0	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	3.0.1	R1999	S1	CATALDO, Mark	Transfer>TSG#4,CR at TSG#5
TS	22.060	General Packet Radio Service (GPRS); Stage 1	3.5.0	R1999	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 1	3.0.1	R1999	S1	SWETINA, Joerg	Transfer>TSG#4,CR at TSG#5
TS	22.071	Location Services (LCS); Stage 1	3.3.0	R1999	S1	WOHLERT, Randolph	Transfer>TSG#4,CR at TSG#5
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R1999	S1	RAUCH, Horst	Transfer>TSG#4,CR at TSG#5
TS	22.078	CAMEL; Stage 1	3.7.0	R1999	S1	GRECH, Michel	Transfer>TSG#4,CR at TSG#5
TS	22.079	Support of Optimal Routing; Stage 1	3.0.1	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.081	Line Identification Supplementary Services; Stage 1	3.2.0	R1999	S1	AHNBERG, Tomas	Transfer>TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R1999	S1	EVEN, Anne	Transfer>TSG#4,CR at TSG#5
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	3.0.1	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.084	MultiParty (MPTY) Supplementary Service; Stage 1	3.0.1	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.085	Closed User Group (CUG) Supplementary Services; Stage 1	3.1.0	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	3.1.0	R1999	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R1999	S1	BRADEN, Christian	Transfer>TSG#4,CR at TSG#5
TS	22.088	Call Barring (CB) Supplementary Services; Stage 1	3.0.2	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R1999	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	3.1.0	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	3.0.1	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.094	Follow Me Stage 1	3.1.0	R1999	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.094	Follow Me Stage 1	4.0.0	R1999	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	3.0.1	R1999	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.097	Multiple Subscriber Profile (MSP); Stage 1	3.2.0	R1999	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.100	UMTS Phase 1	3.6.0	R1999	S1	EVEN, Anne	
TS	22.101	UMTS Service principles	3.12.0	R1999	S1	DWYER, Paul	
TS	22.105	Services & Service capabilities	3.10.0	R1999	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R1999	S1	MONTEGROSSO, Emanuele	
TS	22.121	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	3.3.0	R1999	S1	OGUNBEKUN, Jumoke	
TS	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	3.5.0	R1999	S1	SAMPSON, Nick	
TS	22.135	Multicall Stage 1	3.4.0	R1999	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service; Stage 1	3.1.0	R1999	S1	LAUMEN, Josef	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R1999	T2	COLBAN, Erik	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R1999	S1	MONTEGROSSO, Emanuele	
TR	22.975	Advanced addressing	3.1.0	R1999	S1	KLEIER, Stephan	
TS	23.002	Network Architecture	3.4.0	R1999	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	3.8.0	R1999	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	3.4.0	R1999	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.5.0	R1999	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.6.0	R1999	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical Realization of Supplementary Services - General Aspects	3.1.0	R1999	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R1999	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	R1999	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R1999	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management ; Stage 2	3.7.0	R1999	N4	VACANT,	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	23.018	Basic Call Handling - Technical realization	3.7.0	R1999	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R1999	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD) ; Stage 2	3.3.0	R1999	N1	TEKBULUT, Haluk	
TS	23.038	Alphabets & Language	3.3.0	R1999	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	R1999	T2	HARRIS, Ian	
TS	23.040	Technical realisation of Short Message Service	3.5.0	R1999	T2	HARRIS, Ian	
TS	23.041	Technical Realization of Cell Broadcast Service	3.3.0	R1999	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R1999	T2	HARRIS, Ian	
TS	23.054	Shared Interworking Functions ; Stage 2	3.0.0	R1999	N3	ROSTÖ, Tommy	
TS	23.057	Mobile Execution Environment (MExE)	3.4.0	R1999	T2	CATALDO, Mark	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.7.0	R1999	S2	DELECKI, Andrew	Transfer>TSG#4, CR at TSG#5
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R1999	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) ; Stage 2	3.2.0	R1999	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service ; Stage 2	3.3.0	R1999	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA) ; Stage 2	3.0.1	R1999	N4	HOMANN, Christian	Transfer>TSG#4
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	3.8.0	R1999	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing - Phase 1 ; Stage 2	3.6.0	R1999	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	R1999	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services ; Stage 2	3.5.0	R1999	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	3.2.0	R1999	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service ; Stage 2	3.2.0	R1999	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service ; Stage 2	3.1.0	R1999	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service ; Stage 2	3.1.0	R1999	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) ; Stage 2	3.1.0	R1999	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service ; Stage 2	3.2.0	R1999	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD) ; Stage 2	3.2.0	R1999	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	3.2.0	R1999	N4	RUSSELL, Nick	
TS	23.093	Call Completion to Busy Subscriber (CCBS) ; Stage 2	3.2.0	R1999	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	3.2.0	R1999	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service ; Stage 2	3.0.1	R1999	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP); Stage 2	3.1.1	R1999	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R1999	S2	OLSSON, Magnus	
TS	23.107	Quality of Service, Concept and Architecture	3.5.0	R1999	S2	GREIS, Marc	was 23.907

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	3.2.0	R1999	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R1999	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super Charger ; Stage 2	3.0.0	R1999	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR) ; Stage2	3.0.0	R1999	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architecture Requirements for release 99	3.5.1	R1999	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.6.0	R1999	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment; Stage 2	3.3.0	R1999	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall ; Stage 2	3.2.0	R1999	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS)	3.0.1	R1999	T2	LAUMEN, Josef	
TS	23.171	Functional stage 2 description of location services in UMTS	3.3.0	R1999	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R1999	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.908	Technical report on Pre-Paging	3.0.1	R1999	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R1999	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	3.4.0	R1999	N3	BRAUN, Achim	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	R1999	N4	BOSWARTHICK, David	
TR	23.912	Technical report on Super-Charger	3.0.2	R1999	N4	SHARP, Iain	
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R1999	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	0.2.0	R1999	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.930	Iu Principles	3.0.0	R1999	S2	AXERUD, Bo	
TR	23.972	Circuit Switched Multimedia Telephony	3.0.0	R1999	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	R1999	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	3.7.0	R1999	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	3.7.0	R1999	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	3.1.0	R1999	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R1999	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	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	3.4.0	R1999	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change
TS	24.030	Location Services LCS Stage 3 SS (MO-LR)	3.1.0	R1999	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.

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TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 3	3.1.0	R1999	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	3.4.1	R1999	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service ; Stage 3	3.1.0	R1999	N4	DETTNER, Harald	
TS	24.082	Call Forwarding Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 3	3.0.0	R1999	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service ; Stage 3	3.0.0	R1999	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS) ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD) ; Stage 3	3.0.0	R1999	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 3	3.0.0	R1999	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS) ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service ; Stage 3	3.0.0	R1999	N4	DETTNER, Harald	
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	3.1.0	R1999	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	24.135	Multicall Stage 3	3.1.0	R1999	N4	MITAMURA, Kazuo	
TS	25.101	UE Radio transmission and reception (FDD)	3.6.0	R1999	R4	FERNANDES, Edgar	
TS	25.102	UE Radio transmission and reception (TDD)	3.6.0	R1999	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.6.0	R1999	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.6.0	R1999	R4	KOTTKAMP, Meik	
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	3.1.0	R1999	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	25.113	Base station EMC	3.5.0	R1999	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.5.0	R1999	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	3.5.0	R1999	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	3.5.0	R1999	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.5.0	R1999	R4	MEYER, Juergen	
TS	25.201	Physical layer -General Description	3.1.0	R1999	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.6.0	R1999	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.5.0	R1999	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.5.0	R1999	R1	CHAMBERS, David	

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TS	25.214	Physical layer procedures (FDD)	3.6.0	R1999	R1	NAKAMURA, Takaharu	
TS	25.215	Physical layer; Measurements (FDD)	3.6.0	R1999	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.6.0	R1999	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.6.0	R1999	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.5.0	R1999	R1	ITO, Kenji	
TS	25.224	Pphysical layer procedures (TDD)	3.6.0	R1999	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.6.0	R1999	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.7.0	R1999	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.8.0	R1999	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	UE functions and inter-layer procedures in connected mode	3.7.0	R1999	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.6.0	R1999	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	3.5.0	R1999	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.1.0	R1999	R2	BERGGREN, Anders	Converted from TR 25.925 at TSG#10.
TS	25.307	Requirements on UE supporting a release-independent frequency band	none	R1999	R2	FAUCONNIER, Denis	Release independent!
TS	25.321	Medium Access Control (MAC) Protocol Specification	3.7.0	R1999	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) Protocol Specification	3.6.0	R1999	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) protocol	3.4.0	R1999	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.4.0	R1999	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) Protocol Specification	3.6.0	R1999	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.6.0	R1999	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.5.0	R1999	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.3.0	R1999	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface Layer 1	3.4.0	R1999	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R1999	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	3.5.0	R1999	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.7.0	R1999	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.6.0	R1999	R3	MAUPIN, Alain	Approval at TSG#5
TS	25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	3.4.0	R1999	R3	TAYLOR, Carolyn	Created #6.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.3.0	R1999	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R1999	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	3.5.0	R1999	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	3.5.0	R1999	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.6.0	R1999	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.4.0	R1999	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.6.0	R1999	R3	KEKKI, Sami	

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TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.6.0	R1999	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.5.0	R1999	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R1999	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface signalling transport	3.1.0	R1999	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	3.5.0	R1999	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.5.0	R1999	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.6.0	R1999	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN Implementation Specific O&M Transport	3.1.0	R1999	R3	RECKER, Stephan	
TR	25.831	Study Items for future release	0.0.2	R1999	R3	DREVON, Nicolas	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R1999	R3	TOWNEND, Richard	
TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R1999	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03)
TR	25.853	Delay budget within the access stratum	3.1.0	R1999	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	3.3.0	R1999	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	3.5.0	R1999	R2	MAGNANI, Nicola Pio	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R1999	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.3.0	R1999	R3	SCARRONE, Enrico	New
TR	25.941	Document structure	3.1.0	R1999	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.0.0	R1999	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.4.1	R1999	R1	NAKAMURA, Takaharu	Created Jan 2000 (aka R1.04)
TR	25.990	Vocabulary for UTRAN	3.0.0	R1999	R4	OKRAH, Peter	
TS	26.071	AMR speech Codec; General description	3.0.1	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	3.2.0	R1999	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.0	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R1999	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R1999	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	AMR speech Codec; Frame Structure	3.1.0	R1999	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	3.3.0	R1999	S4	NAVARRO, William	
TS	26.103	Codec lists	3.0.0	R1999	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	AMR speech Codec; Floating point C-Code	3.1.0	R1999	S4	USAI, Paolino	
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	3.1.0	R1999	S5	ZHOU, Di	TSG#8: split into eight parts
TS	26.110	Codec for Circuit switched Multimedia Telephony Service; General Description	3.1.0	R1999	S4	ARONSON, Barry	

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TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R1999	S4	ARONSON, Barry	CR at TSG#5
TS	26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	3.2.0	R1999	S4	GOETZ, Ian	
TS	26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	3.2.0	R1999	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.3.0	R1999	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	R1999	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	0.0.1	R1999	S4	HONKO, Harri	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R1999	S4	GOETZ, Ian	May00: May be converted to TS 26.115 some time in future.
TR	26.975	Performance characterization of the AMR speech codec	3.0.0	R1999	S4	EKUDDEN, Erik	Replaces 26.075.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.8.0	R1999	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R1999	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R1999	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)	3.1.0	R1999	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.8.0	R1999	T2	NOVAK, Lars	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	3.3.0	R1999	T2	NOVAK, Lars	
TS	27.060	GPRS Mobile Stations supporting GPRS	3.5.0	R1999	N3	HEATON, Graham	
TS	27.103	Wide Area Network Synchronisation	3.1.0	R1999	T2	LOCKHART, Rob	
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	3.1.0	R1999	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TR	27.901	Report on Terminal Interfaces - An Overview	3.0.0	R1999	T2	REX, Thomas	
TR	27.903	Discussion of Synchronisation Standards	3.0.0	R1999	T2	LOCKHART, Rob	
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.1.0	R1999	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	3.1.1	R1999	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	29.002	Mobile Application Part (MAP)	3.8.0	R1999	N4	DETTNER, Harald	
TS	29.007	General requirements on Interworking between the PLMN and the ISDN or PSTN	3.8.0	R1999	N3	KLEHN, Norbert	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
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)	3.5.0	R1999	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R1999	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R1999	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	R1999	N1	MILLS, Duncan	
TS	29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	3.6.0	R1999	N1	MILLS, Duncan	
TS	29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	3.8.0	R1999	N4	YOUNG, Michael	
TS	29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	3.5.0	R1999	N3	BRAUN, Achim	
TS	29.078	CAMEL; Stage 3	3.7.0	R1999	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	3.3.0	R1999	S5	SCHEER, Randal	TSG#8: split into eight parts
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.1.0	R1999	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.4.0	R1999	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R1999	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	R1999	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Services Architecture API part 1	3.3.0	R1999	N5	KLOSTERMANN, Lucas	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.998	Open Services Architecture API part 2	3.2.0	R1999	N5	KLOSTERMANN, Lucas	OSA subgroup
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	3.3.0	R1999	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R1999	S5	JURE, Patrick	TSG#8: split into 4 parts
TR	30.531	Work Plan and Study Items - RAN WG3	0.8.8	R1999	R3	TAYLOR, Carolyn	
TS	31.102	Characteristics of the USIM Application	3.5.0	R1999	T3	HEIM, Christian	
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	3.1.0	R1999	S5	PIRT, Trevor	TSG#8: split into eight parts

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R1999	T3	DIETRICH, Christian	
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R1999	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	31.111	USIM Application Toolkit (USAT)	3.4.0	R1999	T3	WOODSEND, Kristian	
TS	31.121	UICC-terminal interface; USIM application test specification	3.0.0	R1999	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	3.0.0	R1999	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	34.123-3	UE Conformance Specification, Part 3 Abstract Test suites	1.0.0	R1999	T1	HU, Shicheng	
TR	31.900	SIM/USIM internal and external interworking aspects	3.0.0	R1999	T3	KALINER, Stefan	
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.4.0	R1999	S5	KOBYLARZ, Thaddeus	
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.5.0	R1999	S5	KOBYLARZ, Thaddeus	
TS	32.101	3G Telecom Management principles and high level requirements	3.4.0	R1999	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	3.2.0	R1999	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.4.0	R1999	S5	NENNER, Karl-Heinz	
TS	34.123-2	UE Conformance Specification, Part 2 – ICS	3.3.0	R1999	T1	HU, Shicheng	
TS	33.102	Security Architecture	3.8.0	R1999	S3	VINCK, Bart	
TS	33.103	Security Integration Guidelines	3.5.0	R1999	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.7.0	R1999	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R1999	S3	WILHELM, Berthold	
TS	33.107	Lawful interception architecture and functions	3.2.0	R1999	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R1999	S3	WRIGHT, Tim	
TS	34.123-1	UE Conformance Specification, Part 1 – Conformance specification	3.3.0	R1999	T1	SALMERON, Lidia	
TR	33.900	Guide to 3G security	1.2.0	R1999	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R1999	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R1999	S3	HORN, Guenther	
TR	33.908	Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R1999	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R1999	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	3.3.0	R1999	T1	CHALABI, Nouhman	
TS	34.109	Logical Test Interface (TDD and FDD)	3.3.0	R1999	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)	3.4.0	R1999	T1	HIGUCHI, Kenji	

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TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.3.0	R1999	T1	MAUCKSCH, Thomas	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R1999	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R1999	T2	IIMORI, Eiji	
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R1999	T2	JOHNSSON, Sven	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.1.0	R1999	S3	WALKER, Michael	ex SAGE - not publicly available; supplied by ETSI under licencE
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.0	R1999	S3	WALKER, Michael	ex SAGE - not publicly available; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.0	R1999	S3	WALKER, Michael	ex SAGE - not publicly available; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.0	R1999	S3	WALKER, Michael	ex SAGE - not publicly available; supplied by ETSI under licence
Release 4 3GPP Specifications and reports							
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	1.0.1	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	1.0.1	Rel-4	N5	LAGENDIJK, Louis	
TS	29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF	none	Rel-4	N5	,	
TS	29.198-09	Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF	none	Rel-4	N5	,	
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	1.0.1	Rel-4	N5	UNMEHOPA, Musa	
TS	21.102	3rd Generation mobile system Release 4 specifications	4.0.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	Security Threats and Requirements	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	21.801	3GPP drafting rules	4.1.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	3GPP working methods	4.0.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	3G Vocabulary	4.2.0	Rel-4	S1	ZARRI, Michele	
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	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.1.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services Supported by a PLMN	4.1.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	4.0.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.011	Service accessibility	4.3.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4,CR at TSG#5

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TS	22.016	International Mobile Equipment Identities (IMEI)	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.022	Personalisation of GSM ME Mobile functionality specification ; Stage 1	4.0.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4,CR at TSG#5
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 Mobile Station (MS)	4.0.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4,CR at TSG#5
TS	22.034	High Speed Circuit Switched Data (HSCSD) ; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.038	SIM application toolkit (SAT); Stage 1	4.1.0	Rel-4	S1	ROBINSON, Bill	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4,CR at TSG#5
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	4.0.0	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4,CR at TSG#5
TS	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	4.0.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4,CR at TSG#5
TS	22.060	General Packet Radio Service (GPRS); Stage 1	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4,CR at TSG#5
TS	22.071	Location Services (LCS); Stage 1	4.3.0	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4,CR at TSG#5
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4,CR at TSG#5
TS	22.076	Noise Suppression for the AMR	4.0.0	Rel-4	S4	USAI, Paolino	
TS	22.078	CAMEL; Stage 1	4.2.0	Rel-4	S1	GRECH, Michel	Transfer>TSG#4,CR at TSG#5
TS	22.079	Support of Optimal Routing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.081	Line Identification Supplementary Services; Stage 1	4.0.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4,CR at TSG#5
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.0.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4,CR at TSG#5
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.084	MultiParty (MPTY) Supplementary Service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.085	Closed User Group (CUG) Supplementary Services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4,CR at TSG#5
TS	22.088	Call Barring (CB) Supplementary Services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4,CR at TSG#5
TS	22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4,CR at TSG#5
TS	22.097	Multiple Subscriber Profile (MSP); Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.101	UMTS Service principles	4.3.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services & Service capabilities	4.1.0	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	
TS	22.115	Service Aspects Charging and billing	5.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TS	22.121	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	4.1.0	Rel-4	S1	OGUNBEKUN, Jumoke	

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TS	22.127	Service Requirement for the Open Services Access (OSA) ; Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	4.2.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service; Stage 1	4.1.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.0.0	Rel-4	N5	SAARENPAA, Matti	
TS	22.227	Service requirements for the Open Service Access (OSA)	none	Rel-4	S1	HELLSTROM, Gunnar	
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	Created Jan-00
TS	23.002	Network Architecture	4.2.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	4.0.0	Rel-4	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.0.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.0.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical Realization of Supplementary Services - General Aspects	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.0.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management ; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.018	Basic Call Handling - Technical realization	4.2.0	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	TEKBULUT, Haluk	
TS	23.038	Alphabets & Language	4.2.0	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 realisation of Short Message Service	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical Realization of Cell Broadcast Service	4.0.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.057	Mobile Execution Environment (MExE)	4.1.0	Rel-4	T2	CATALDO, Mark	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.0.0	Rel-4	S2	DELECKI, Andrew	Transfer>TSG#4, CR at TSG#5
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.0	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	4.0.0	Rel-4	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service ; Stage 2	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA) ; Stage 2	4.0.0	Rel-4	N4	HOMANN, Christian	Transfer>TSG#4
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	4.0.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5

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TS	23.079	Support of Optimal Routeing - Phase 1 ; Stage 2	4.0.0	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	4.0.0	Rel-4	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	4.0.0	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) ; 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	Call Completion 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); 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, Concept and Architecture	4.0.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	4.0.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super Charger ; Stage 2	4.0.0	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	4.0.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment; Stage 2	4.1.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall ; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS)	4.2.0	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	4.1.0	Rel-4	N4	VACANT,	New after TSG#5
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.0.0	Rel-4	N5	MARKWARDT, Gert	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.0.0	Rel-4	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End to end quality of service concept and architecture	1.1.0	Rel-4	S2	OYAMA, Johnson	End-to-end quality of service concept and architecture
TS	23.221	Architectural requirements	4.0.0	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	4.0.0	Rel-4	T2	TOMÉ, Olga	

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TS	23.271	Functional stage 2 description of location services	4.1.0	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	S1	VACANT,	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.2.0	Rel-4	N3	BRAUN, Achim	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	BOSWARTHICK, David	
TR	23.912	Technical report on Super-Charger	4.0.0	Rel-4	N4	SHARP, Iain	
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.
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	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location – User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
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	
TS	24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	4.0.0	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	4.2.0	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	4.0.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	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	4.0.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change
TS	24.030	Location Services LCS Stage 3 SS (MO-LR)	4.0.0	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	4.0.0	Rel-4	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	

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TS	24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS) ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD) ; Stage 3	4.0.0	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS) ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service ; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	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	24.135	Multicall Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.0.0	Rel-4	N5	DE GELDER, Dirk	
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	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TS	25.101	UE Radio transmission and reception (FDD)	4.0.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UE Radio transmission and reception (TDD)	4.0.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.0.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.0.0	Rel-4	R4	KOTTKAMP, Meik	
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	25.106	UTRA Repeater; Radio transmission and reception	4.0.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station EMC	4.0.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.0.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	4.0.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	4.0.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.0.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA Repeater; Conformance testing	4.0.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107

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TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	1.0.1	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	25.201	Physical layer -General Description	4.0.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.0.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.0.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.0.0	Rel-4	R1	CHAMBERS, David	
TS	25.214	Physical layer procedures (FDD)	4.0.0	Rel-4	R1	NAKAMURA, Takaharu	
TS	25.215	Physical layer; Measurements (FDD)	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.0.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.0.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.0.0	Rel-4	R1	ITO, Kenji	
TS	25.224	Pphysical layer procedures (TDD)	4.0.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.0.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.0.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	UE functions and inter-layer procedures in connected mode	4.0.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.0.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	4.0.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.0.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.925 at TSG#10.
TS	25.321	Medium Access Control (MAC) Protocol Specification	4.0.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) Protocol Specification	4.0.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) protocol	4.0.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.0.0	Rel-4	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) Protocol Specification	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	4.0.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.0.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.0.0	Rel-4	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface Layer 1	4.0.0	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	4.0.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.0.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.0.0	Rel-4	R3	MAUPIN, Alain	Approval at TSG#5
TS	25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	4.0.0	Rel-4	R3	TAYLOR, Carolyn	Created #6.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.0.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.0.0	Rel-4	R3	DREVON, Nicolas	

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TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.0.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.0.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.0.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.0.0	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	4.0.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.0.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.0.0	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)	4.0.0	Rel-4	R3	LENHART, Johannes	
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.1.0	Rel-4	R3	PARK, Jin Hyo	
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.0.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.845	FDD RACH and AICH performance requirements	0.0.2	Rel-4	R4	VIHRIÄLÄ, Jaakko	
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	4.0.0	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	4.0.0	Rel-4	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	4.0.0	Rel-4	R2	MAGNANI, Nicola Pio	
TR	25.924	Opportunity Driven Multiple Access (ODMA)	1.0.0	Rel-4	R2	LAW, Alan	
TR	25.928	1,28Mcps 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	4.0.0	Rel-4	R3	SCARRONE, Enrico	New
TR	25.933	IP Transport in UTRAN	1.0.0	Rel-4	R3	DREVON, Nicolas	

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TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.935	RRM optimisation	4.0.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	
TR	25.936	Handover for realtime services from PS-domain	4.0.0	Rel-4	R3	MOUSSET, Claire	
TR	25.937	UTRAN TDD low chiprate	4.0.0	Rel-4	R3	XU, Bing	
TR	25.938	Terminal power saving features	2.0.0	Rel-4	R3	CHOI, Sungho	
TR	25.942	RF system scenarios	none	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	2.0.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.0.1	Rel-4	R1	NAKAMURA, Takaharu	Created Jan 2000 (aka R1.04)
TR	25.945	RF requirements for low chip rate TDD option	4.0.0	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)	1.0.0	Rel-4	R4	JOKINEN, Sami	
TR	25.952	Base Station classification (TDD)	1.1.0	Rel-4	R4	ZEIRA, Eldad	
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	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	AMR speech Codec; Frame Structure	4.0.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	4.0.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Codec lists	4.1.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	AMR speech Codec; Floating point C-Code	4.0.0	Rel-4	S4	USAI, Paolino	
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	none	Rel-4	S5	ZHOU, Di	TSG#8: split into eight parts
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	Transmission Delay and Echo Control Planning For Speech and Multi-Media Services	4.0.0	Rel-4	S4	USAI, Paolino	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	4.0.0	Rel-4	S4	GOETZ, Ian	
TS	26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	5.0.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	4.0.0	Rel-4	S4	GOETZ, Ian	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.0.0	Rel-4	N5	ABARCA, Chelo	
TS	26.233	End-to-end transparent streaming service; General description	4.0.0	Rel-4	S4	HONKO, Harri	
TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.0.0	Rel-4	S4	NOHLGREN, Anders	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	4.0.0	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	26.975	Performance characterization of the AMR speech codec	4.0.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075.
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)	4.3.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.1.0	Rel-4	T2	NOVAK, Lars	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	4.0.0	Rel-4	T2	NOVAK, Lars	
TS	27.060	GPRS Mobile Stations supporting GPRS	4.0.0	Rel-4	N3	HEATON, Graham	
TS	27.103	Wide Area Network Synchronisation	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.0.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.0.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of Synchronisation Standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	4.0.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
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	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	none	Rel-4	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.0.0	Rel-4	N5	KLOSTERMANN, Lucas	
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	
TS	29.002	Mobile Application Part (MAP)	4.3.0	Rel-4	N4	DETTNER, Harald	
TS	29.007	General requirements on Interworking between the PLMN and the ISDN or PSTN	4.2.0	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)	4.0.0	Rel-4	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.0	Rel-4	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.0.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	4.0.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	4.0.0	Rel-4	N4	YOUNG, Michael	
TS	29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	4.0.0	Rel-4	N3	BRAUN, Achim	
TS	29.078	CAMEL; Stage 3	4.0.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	none	Rel-4	S5	SCHEER, Randal	TSG#8: split into eight parts
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.0.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	none	Rel-4	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.202	SS7 signalling transport in Core Network; stage 3	4.0.0	Rel-4	N4	ANGELO, Ciriaco	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	4.0.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media gateway controller - media gateway interface; Stage 3	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb nata transport and transport signalling	4.0.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Nb user plane protocols	4.0.0	Rel-4	N3	SANDERS, David	
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	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	none	Rel-4	S5	JURE, Patrick	TSG#8: split into 4 parts
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	
TS	31.102	Characteristics of the USIM Application	4.0.0	Rel-4	T3	HEIM, Christian	
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	4.0.0	Rel-4	S5	PIRT, Trevor	TSG#8: split into eight parts
TS	31.110	Numbering system for telecommunication IC card applications	4.0.0	Rel-4	T3	DIETRICH, Christian	
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	none	Rel-4	S5	JURE, Patrick	TSG#8: split into 4 parts
TS	31.111	USIM Application Toolkit (USAT)	4.2.1	Rel-4	T3	WOODSEND, Kristian	
TS	31.112	USAT Interpreter Architecture Description; Stage 2	1.0.0	Rel-4	TP	,	
TS	31.113	USAT interpreter byte codes	1.0.0	Rel-4	TP	,	
TS	31.121	UICC-terminal interface; USIM application test specification	none	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	34.123-3	UE Conformance Specification, Part 3 Abstract Test suites	none	Rel-4	T1	HU, Shicheng	
TS	32.101	3G Telecom Management principles and high level requirements	4.0.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	4.0.0	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	1.0.0	Rel-4	S5	KOBYLARZ, Thaddeus	
TS	34.123-2	UE Conformance Specification, Part 2 – ICS	none	Rel-4	T1	HU, Shicheng	
TS	32.140	3G Service Management Requirements & Framework	0.1.0	Rel-4	S5	CARYER, Geoffrey	
TS	32.205	3G charging data description for the CS domain	1.0.0	Rel-4	S5	,	
TR	32.800	Management level procedures and interaction with UTRAN	0.0.3	Rel-4	S5	HIJDRA, Martiyn	
TS	33.102	Security Architecture	4.0.0	Rel-4	S3	VINCK, Bart	
TS	33.103	Security Integration Guidelines	4.0.0	Rel-4	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	4.0.0	Rel-4	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	Lawful interception architecture and functions	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	

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TS	34.123-1	UE Conformance Specification, Part 1 – Conformance specification	none	Rel-4	T1	SALMERON, Lidia	
TS	33.200	Network Domain Security	none	Rel-4	S3	VACANT,	
TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	VACANT,	
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	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	none	Rel-4	S3	VACANT,	Source: ETSI SAGE.
TR	33.908	Security Algorithms Group of Experts (SAGE); 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	ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	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	none	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Logical Test Interface (TDD and FDD)	4.0.0	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)	none	Rel-4	T1	MAUCKSCH, Thomas	
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	Conformance Test specifications – Relevant for Regulatory use	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	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE - not publicly available; 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 - not publicly available; 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 - not publicly available; 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 - not publicly available; supplied by ETSI under licence
TR	35.205	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
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; supplied by ETSI under licence

Type	Number	Title	Ver at TSG#10	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	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
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; supplied by ETSI under licence
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements ; Stage 0	4.0.0	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.0	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	4.0.0	Rel-4	SP	MEREDITH, John M	Né 41.001; renumbered at TSG#10.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Modules, Functional Characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.031	Fraud Information Gathering System (FIGS) Service description ; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description ; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.033	Lawful Interception ; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	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	
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	
	43.010	GSM Public Land Mobile Network (PLMN) Connection Types	4.1.0	Rel-4	N3	BRAUN, Achim	
TS	43.013	Discontinuous Reception (DRX) in the GSM System	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	GSM API for SIM toolkit stage 2	4.0.0	Rel-4	T3	DIETRICH, Christian	
	43.020	Security-related Network Functions	4.0.0	Rel-4	S3	GILBERT, Henri	
	43.022	Functions Related to Mobile Station (MS) in Idle Mode	4.2.0	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	
	43.030	Radio Network Planning Aspects	4.0.1	Rel-4	GP	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	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
TS	43.035	Immediate Service Termination (IST); Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.048	Security Mechanisms for SIM Toolkit Application ; Stage 2	4.0.0	Rel-4	T3	BARNES, Nigel	
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	
	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	4.0.0	Rel-4	G1	SEBIRE, 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	4.0.0	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	Location services (LCS) GERAN; Stage 2	4.0.0	Rel-4	GP	LIVINGSTON, Margaret	
TS	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.1.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.0.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.008	Mobile radio interface layer 3 specification	4.0.0	Rel-4	N1	HOWELL, Andrew	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	AL -BAKRI, Ban	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.0.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.0.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile Radio Interface - Layer 3 Specification RR part	4.3.0	Rel-4	G2	HOWELL, Andrew	
	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 RR LCS Protocol	4.0.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	4.0.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	

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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	4.0.0	Rel-4	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.0.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.0.0	Rel-4	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.1.1	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.1.1	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location services (LCS) stage 3	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
	45.001	Physical Layer on the Radio Path (General Description)	4.0.1	Rel-4	G1	JOKINEN, Harri	
	45.002	Multiplexing and Multiple Access on the Radio Path	4.3.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.0.0	Rel-4	G1	SÉBIRE, Benoist	
	45.005	Radio transmission and reception	4.3.0	Rel-4	G1	SAMUELSSON, Mats	
	45.008	Radio subsystem link control	4.3.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.0.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.0	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	4.0.0	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	4.0.0	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	

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TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	51.010-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	none	Rel-4	G4	HU, Shicheng	
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	4.0.0	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	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-3	Layer3 (L3) Abstract Test Suite (ATS)	4.1.0	Rel-4	G4	HU, Shicheng	
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	
	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.0.0	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	4.1.0	Rel-4	G2	BLACK, Jyoti	

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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	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	BSC-BTS Layer 2 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.061	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.071	Location services (LCS) SMLC-BSS interface L 3	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General Network Interworking Scenarios	4.0.0	Rel-4	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.0.0	Rel-4	N1	JUKIC, Zdravko	
TS	51.010-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.0.0	Rel-4	G4	HU, Shicheng	
TS	49.031	Location Services LCS Extension (BSSAP-LE)	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-1	Conformance Specification	4.3.0	Rel-4	G4	HU, Shicheng	
TR	50.059	Project scheduling and open issues for EDGE	4.0.0	Rel-4	G1	MUELLER, Frank	
TR	50.099	GERAN project plan and open issues	0.0.4	Rel-4	GP	MUELLER, Frank	
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	4.0.0	Rel-4	T3	GUTHERY, Scott B.	
TS	51.013	Test specification for SIM API for Java card	none	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.021	GSM Radio Aspects Base Station System Equipment Specification	none	Rel-4	G3	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	none	Rel-4	G3	BUSIN, Ake	
TS	52.071	Location Services (LCS); Location services management	4.0.0	Rel-4	S5	GARAPATY, Sonia	
Release 5 3GPP Specifications and reports							
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3	none	Rel-5	N5	UNMEHOPA, Musa	
TS	22.038	SIM application toolkit (SAT); Stage 1	5.1.0	Rel-5	S1	ROBINSON, Bill	Transfer>TSG#4
TS	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	5.1.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4,CR at TSG#5
TS	22.078	CAMEL; Stage 1	5.2.0	Rel-5	S1	GRECH, Michel	Transfer>TSG#4,CR at TSG#5

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TS	22.101	UMTS Service principles	5.2.0	Rel-5	S1	DWYER, Paul	
TS	22.121	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	5.0.0	Rel-5	S1	OGUNBEKUN, Jumoke	
TS	22.141	Support of Presence Capability (SOP); stage 1	none	Rel-5	S1	WOHLERT, Randolph	
TS	22.226	Global text telephony; Stage 1: Service description	1.0.0	Rel-5	S1	HELLSTROM, Gunnar	
TS	22.228	IP multimedia subsystem; Stage 1	5.1.0	Rel-5	S1	CATALDO, Mark	
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	
TR	22.941	IP based multimedia framework specifications	none	Rel-5	S1	WOHLERT, Randolph	
TR	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TS	23.002	Network Architecture	5.2.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service, Concept and Architecture	5.0.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.218	IP Multimedia (IM) session handling; IM call model	0.5.0	Rel-5	N1	ALLEN, Andrew	
TS	23.221	Architectural requirements	5.0.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony; Stage 2: Architecture	none	Rel-5	N4	HELLSTROM, Gunnar	
TS	23.228	IP multimedia subsystem; Stage 2	5.0.0	Rel-5	S2	TOWLE, Thomas	
TS	23.271	Functional stage 2 description of location services	none	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TR	23.974	Support of push service	5.0.0	Rel-5	S2	UDA, Nobuyuki	
TR	29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	0.4.0	Rel-5	N1	O'HARE, John	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	0.1.0	Rel-5	N1	DRAGE, Keith	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	5.0.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	1.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description	none	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects hans	none	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	none	Rel-5	R1	GHOSH, Amitabha	
TR	25.875	NAS node selector function	0.0.1	Rel-5	R3	MCWILLIAMS, Brendan	
TS	26.103	Codec lists	5.0.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	5.0.0	Rel-5	S4	GOETZ, Ian	
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	AMR speech codec, wideband; C-source code	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.174	AMR speech codec, wideband; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	

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TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.0.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.0.0	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	26.226	Global text telephony;Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description description	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.231	Global text telephony; Cellular text telephone modem minimum performance requirements	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	27.104	vObjects and other constructs for data synchronization	0.1.1	Rel-5	T2	LOCKHART, Rob	
TS	27.226	Global Text telephony;Terminal aspects	none	Rel-5	T2	HELLSTROM, Gunnar	
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-5	N3	HOLLAND, Nigel	
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	Rel-5	N3	HOLLAND, Nigel	
TS	29.226	reserved	none	Rel-5	N4	VACANT,	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	none	Rel-5	N4	YOUNG, Michael	Supersedes 29.203.
TR	32.801	Performance management	none	Rel-5	S5	KORINEK, Frank	(Release 4/5 Building Block: OAM-PM)
TS	33.106	Lawful interception requirements	5.0.0	Rel-5	S3	WILHELM, Berthold	
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
TS	33.203	Access Security for IP based services	none	Rel-5	S3	BOMAN, Krister	
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	VACANT,	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	
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	
	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.1.0	Rel-5	G1	SEBIRE, Guillaume	Originally created as 03.51r00
	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.0.0	Rel-5	G1	SEBIRE, Guillaume	Originally created as 03.51r00
TS	43.059	Location services (LCS) GERAN; Stage 2	none	Rel-5	GP	LIVINGSTON, Margaret	
	45.001	Physical Layer on the Radio Path (General Description)	5.0.0	Rel-5	G1	JOKINEN, Harri	
	45.002	Multiplexing and Multiple Access on the Radio Path	5.1.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.0.0	Rel-5	G1	SÉBIRE, Benoist	

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	45.008	Radio subsystem link control	5.1.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
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TR	01.00	Working Procedures for SMG	8.0.0	R1999	SP	BERGMANN, Ansgar	
TS	01.01	GSM Release 1999 Specifications	8.1.0	R1999	SA	MEREDITH, John M	
TR	01.04	Abbreviations and Acronyms	8.0.0	R1999	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements ; Stage 0	8.0.0	R1999	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R1999	S3	MCKIBBEN, Bernie	
	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R1999	S3	WALKER, Michael	
	02.09	Security Aspects	8.0.0	R1999	S3	CHRISTOFFERSSON, Per	
	02.17	Subscriber Identity Modules, Functional Characteristics	8.0.0	R1999	T3	HOOKER, Philip	
	02.31	Fraud Information Gathering System (FIGS) Service description ; Stage 1	8.0.0	R1999	S3	WRIGHT, Tim	
	02.32	Immediate Service Termination (IST); Service description ; Stage 1	8.0.0	R1999	S3	WRIGHT, Tim	
	02.33	Lawful Interception ; Stage 1	8.0.0	R1999	S3	MCKIBBEN, Bernie	
	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R1999	T3	BARNES, Nigel	SMG9->T3@#31
	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.0	R1999	S4	NAVARRO, William	SMG11->S4 at SMG#30
	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R1999	S1	GALLIGO, Michel	
TS	02.68	Voice Group Call Service (VGCS) ; Stage 1	8.1.0	R1999	S1	GILES, Les	
	02.69	Voice Broadcast Service (VBS) ; Stage 1	8.1.0	R1999	S1	GILES, Les	
	02.76	Noise Suppression for the AMR	8.0.1	R1999	S4	USAI, Paolino	
	02.94	Follow Me Service description; Stage 1	8.0.0	R1999	S1	CLAYTON, Michael	
	02.95	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	8.0.0	R1999	S1	CLAYTON, Michael	
TR	03.05	Technical performance objectives	8.0.0	R1999	NP	BOSWARTHICK, David	
	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R1999	N3	BRAUN, Achim	
	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R1999	G1	USAI, Paolino	
	03.19	GSM API for SIM toolkit stage 2	8.1.0	R1999	T3	DIETRICH, Christian	SMG9->T3@#31
	03.20	Security-related Network Functions	8.1.0	R1999	S3	NGUYEN NGOC, Sebastien	
	03.22	Functions Related to Mobile Station (MS) in Idle Mode	8.4.0	R1999	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001.
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R1999	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R1999	GP	TEGTH, Ulf	

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	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	8.0.0	R1999	S3	WRIGHT, Tim	
	03.33	Lawful Interception ; Stage 2	8.1.0	R1999	S3	MCKIBBEN, Bernie	
	03.35	Immediate Service Termination (IST); Stage 2	8.1.0	R1999	S3	WRIGHT, Tim	
	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.0	R1999	N3	BOSWARTHICK, David	
	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.0	R1999	N3	BOSWARTHICK, David	
	03.48	Security Mechanisms for SIM Toolkit Application ; Stage 2	8.5.0	R1999	T3	BARNES, Nigel	SMG9->T3@#31
	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R1999	S4	USAI, Paolino	
	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface ; Stage 2	8.0.1	R1999	G1	GIRAUD, Alexis	
	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R1999	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.0.0	R1999	G1	CARRIZO MARTÍNEZ, José Luis	
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R1999	S4	MONFORT, Jean-Yves	
	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	8.0.0	R1999	N1	JACOBSOHN, Dieter	
	03.64	Overall description of the GPRS radio interface; Stage 2	8.8.0	R1999	G1	LEPPISAARI, Arto	
	03.68	Voice Group Call Service (VGCS); Stage 2	8.2.0	R1999	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.2.0	R1999	N1	MÜNNING, Dirk	
	03.71	Location services (LCS); Stage 2	8.1.0	R1999	S2	BROOK, Richard	
	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R1999	N1	ANDERSEN, Niels Peter Skov	
	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	04.04	Layer 1 - General Requirements	8.1.0	R1999	G2	ISAACS, Ken	
	04.05	Data Link (DL) Layer General Aspects	8.0.1	R1999	G2	ANDERSEN, Niels Peter Skov	
	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.1.1	R1999	G2	ANDERSEN, Niels Peter Skov	
	04.08	Mobile radio interface layer 3 specification	8.0.0	R1999	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R1999	G2	PUDNEY, Chris	
	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R1999	N1	PUDNEY, Chris	
	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.1.0	R1999	G2	HOWELL, Andrew	
	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.8.0	R1999	G2	HOWELL, Andrew	
	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R1999	N3	RÄSÄNEN, Juha	
	04.31	Location Services LCS RR LCS Protocol	8.3.0	R1999	G2	GARAPATY, Sonia	

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	04.35	Location Services LCS Stage 3 E-OTD Enhanced Observed	8.3.0	R1999	G2	GARAPATY, Sonia	
	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R1999	N1	HUPPERICH, Peter	
	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R1999	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	8.8.0	R1999	G2	BLACK, Jyoti	
	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	8.0.1	R1999	N1	JACOBSOHN, Dieter	
	04.64	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	8.6.0	R1999	N1	SALKINTZIS, Apostolis	
TS	04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.1.0	R1999	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
	04.68	Group Call Control (GCC) Protocol	8.1.0	R1999	N1	GARAPATY, Sonia	
	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R1999	N1	GARAPATY, Sonia	
	04.71	Location services (LCS) stage 3	8.1.0	R1999	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
	05.01	Physical Layer on the Radio Path (General Description)	8.5.0	R1999	GP	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.9.0	R1999	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.6.1	R1999	G1	SÉBIRE, Benoist	
	05.04	Modulation	8.2.0	R1999	G1	SÉBIRE, Benoist	
	05.05	Radio Transmission and Reception	8.9.0	R1999	G1	SAMUELSSON, Mats	
	05.08	Radio Subsystem Link Control	8.9.0	R1999	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.3.0	R1999	G1	ANDERSEN, Niels Peter Skov	
	05.10	Radio subsystem synchronization	8.8.0	R1999	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R1999	G1	VAN BUSSEL, Han	
TR	05.50	Background for RF Requirements	8.2.0	R1999	G1	ANDERSEN, Niels Peter Skov	
	05.56	CTS-FP Radio Sub-system	8.0.1	R1999	G1	USAI, Paolino	
	06.01	Full Rate Speech Processing Functions	8.0.1	R1999	S4	USAI, Paolino	
	06.02	Half Rate Speech Processing Functions	8.0.0	R1999	S4	AFTELAK, Steve	
	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R1999	S4	AFTELAK, Steve	
	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R1999	S4	AFTELAK, Steve	
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R1999	S4	SALEM, Tarek	
	06.10	Full Rate Speech Transcoding	8.1.1	R1999	S4	LORENZ, Dietmar	
	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R1999	S4	NAVARRO, William	
	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.0.1	R1999	S4	SERENO, Daniele	
	06.20	Half Rate Speech Transcoding	8.0.1	R1999	S4	AFTELAK, Steve	

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	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R1999	S4	AFTELAK, Steve	
	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R1999	S4	AFTELAK, Steve	
	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R1999	S4	USAI, Paolino	
	06.32	Voice Activity Detection (VAD)	8.0.1	R1999	S4	BARRETT, Paul	
	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R1999	S4	USAI, Paolino	
	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R1999	S4	BARRETT, Paul	
	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R1999	S4	JÄRVINEN, Kari	
	06.53	ANSI-C code for the GSM Enhanced full rate speech codec	8.0.1	R1999	S4	JÄRVINEN, Kari	
	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R1999	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R1999	S4	SALEM, Tarek	
	06.60	Enhanced full rate speech transcoding	8.0.1	R1999	S4	JÄRVINEN, Kari	
	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R1999	S4	JÄRVINEN, Kari	
	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R1999	S4	JÄRVINEN, Kari	
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.0	R1999	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.0	R1999	S4	USAI, Paolino	
TR	06.78	Results of the AMR noise suppression selection phase	8.0.0	R1999	S4	USAI, Paolino	
	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R1999	S4	JÄRVINEN, Kari	
	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R1999	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	R1999	S4	USAI, Paolino	
	08.01	General Aspects on the BSS-MSC Interface	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.8.0	R1999	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.6.0	R1999	G2	BLACK, Jyoti	
	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.0	R1999	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.56	BSC-BTS Layer 2 Specification	8.0.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.60	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	8.1.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.61	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	8.0.1	R1999	G2	ANDERSEN, Niels Peter Skov	
	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R1999	S4	USAI, Paolino	SMG11->S4 at SMG#30
	08.71	Location services (LCS) SMLC-BSS interface L 3	8.2.0	R1999	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R1999	N4	VACANT,	
	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R1999	N1	JUKIC, Zdravko	
	09.31	Location Services LCS Extension (BSSAP-LE)	8.3.0	R1999	G2	ANDERSEN, Niels Peter Skov	
	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.2.0	R1999	G4	SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen.
	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R1999	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R1999	G1	MUELLER, Frank	
	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	0.0.6	R1999	GP	ISAACS, Ken	
	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.5.0	R1999	T3	GUTHERY, Scott B.	

Type	Number	Title	Ver at TSG#10	Rel	TSG/ WG	Editor	Comment
	11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	8.6.0	R1999	T3	WOODSEND, Kristian	
	11.21	GSM Radio Aspects Base Station System Equipment Specification	8.6.0	R1999	G3	BUSIN, Ake	
	11.26	GSM Repeater Equipment Specification	8.0.2	R1999	G3	BUSIN, Ake	
	12.03	Security Management	8.0.0	R1999	S5	ZOICAS, Adrian	
	12.04	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	8.0.0	R1999	S5	ZOICAS, Adrian	
TS	12.71	Location Services (LCS); Location services management	8.0.1	R1999	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

Annex E: List of Change Requests and their status after TSG SA Meeting #11

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010036	02.11	A012		6.0.0	R97	CR to 02.11 on Roaming restrictions for GPRS (Release '97)	approved	F	6.1.0	Service Accessibility
SP-010036	02.11	A013		7.0.1	R98	CR to 02.11 on Roaming restrictions for GPRS (Release '98)	approved	A	7.1.0	Service Accessibility
SP-010037	02.71	A003		7.2.0	R98	Deletion of reference to GSM 10.71	approved	F	7.3.0	Location Services (LCS) ; Stage 1
SP-010038	21.905	006		4.1.0	Rel-4	Editorial changes and new definitions	approved	D	4.2.0	3G Vocabulary
SP-010038	21.905	007		4.1.0	Rel-4	Inclusion of commonly used definition contained in 23.122	approved	B	4.2.0	3G Vocabulary
SP-010039	22.002	009		3.5.0	R99	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	approved	F	3.6.0	Circuit Bearer Services Supported by a PLMN
SP-010039	22.002	010		4.0.0	Rel-4	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	approved	C	4.1.0	Circuit Bearer Services Supported by a PLMN
SP-010040	22.002	011		4.0.0	Rel-4	Restructuring of 22.002	approved	D	4.1.0	Circuit Bearer Services Supported by a PLMN
SP-010040	22.002	012		4.0.0	Rel-4	Restructuring of tables in section 3.1	approved	D	4.1.0	Circuit Bearer Services Supported by a PLMN
SP-010036	22.011	020		3.3.0	R99	CR to 22.011 on Roaming restrictions for GPRS (Release '99)	approved	A	3.4.0	Service accessibility
SP-010036	22.011	021		4.2.0	Rel-4	CR to 02.11 on Roaming restrictions for GPRS (Release4)	approved	A	4.3.0	Service accessibility
SP-010150	22.011	022		3.3.0	R99	Equivalent handling of PLMNs with different PLMN codes	approved	F	3.4.0	Service accessibility
SP-010151	22.011	023		4.2.0	Rel-4	Equivalent handling of PLMNs with different PLMN codes	approved	F	4.3.0	Service accessibility
SP-010041	22.041	005		3.2.0	R99	Remove ODB for Packet Oriented Services from Release 99	approved	F	3.3.0	Operator Determined Call Barring
SP-010041	22.041	006		4.0.0	Rel-4	Corrections of the ODB categories for Packet Oriented Services	approved	F	4.1.0	Operator Determined Call Barring
SP-010042	22.041	007		3.2.0	R99	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	approved	F	3.3.0	Operator Determined Call Barring
SP-010042	22.041	008		4.0.0	Rel-4	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	approved	A	4.1.0	Operator Determined Call Barring
SP-010043	22.057	006		5.0.0	Rel-5	MeXE service discovery	approved	B	5.1.0	Mobile Station Application Execution Environment (MExE); Stage 1
SP-010044	22.071	024		4.2.0	Rel-4	Quality level negation	approved	C	4.3.0	Location Services (LCS); Stage 1
SP-010044	22.071	025		4.2.0	Rel-4	Location determination in call or PDP context activation and release	approved	C	4.3.0	Location Services (LCS); Stage 1
SP-010044	22.071	026		4.2.0	Rel-4	OSA support for LCS	approved	C	4.3.0	Location Services (LCS); Stage 1
SP-010044	22.071	027		4.2.0	Rel-4	Editorial Cleanup	approved	D	4.3.0	Location Services (LCS); Stage 1
SP-010044	22.071	028		4.2.0	Rel-4	Number of LCS Clients	approved	C	4.3.0	Location Services (LCS); Stage 1
SP-010045	22.078	075	2	3.6.0	R99	Remedy for incorrect implementation of CR 22.078-062r5	approved	F	3.7.0	CAMEL; Stage 1
SP-010046	22.078	076	1	3.6.0	R99	Support of previous phases of CAMEL	approved	F	3.7.0	CAMEL; Stage 1
SP-010046	22.078	077	2	4.1.0	Rel-4	Support of previous phases of CAMEL	approved	A	4.2.0	CAMEL; Stage 1
SP-010046	22.078	078	3	5.1.0	Rel-5	Support of previous phases of CAMEL	approved	F	5.2.0	CAMEL; Stage 1
SP-010045	22.078	079	3	4.1.0	Rel-4	Alignment with stage 2 & 3, and some editorial corrections	approved	F	4.2.0	CAMEL; Stage 1
SP-010045	22.078	080	1	5.1.0	Rel-5	Alignment with stage 2 & 3, and some editorial corrections	approved	A	5.2.0	CAMEL; Stage 1
SP-010051	22.078	081	2	5.1.0	Rel-5	Clarification on Call Party Handling requirements	approved	C	5.2.0	CAMEL; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010051	22.078	082		5.1.0	Rel-5	Enhancements to mobility management reporting	approved	B	5.2.0	CAMEL; Stage 1
SP-010051	22.078	083	2	5.1.0	Rel-5	Corrections of Call Barring interaction for CSE created call / new party	approved	F	5.2.0	CAMEL; Stage 1
SP-010051	22.078	084	1	5.1.0	Rel-5	Changing of naming for SMS-CSI	approved	D	5.2.0	CAMEL; Stage 1
SP-010050	22.078	085	3	3.6.0	R99	Corrections of congestion control procedure	approved	F	3.7.0	CAMEL; Stage 1
SP-010050	22.078	086	3	4.1.0	Rel-4	Corrections of congestion control procedure	approved	A	4.2.0	CAMEL; Stage 1
SP-010051	22.078	087	2	5.1.0	Rel-5	Transport of Charging Information from serving PLMN to the CSE	approved	B	5.2.0	CAMEL; Stage 1
SP-010051	22.078	088	1	5.1.0	Rel-5	Enhanced CSE capability for Subscribed Dialled Services	approved	C	5.2.0	CAMEL; Stage 1
SP-010050	22.078	089	2	5.1.0	Rel-5	Corrections of congestion control procedure	approved	B	5.2.0	CAMEL; Stage 1
SP-010051	22.078	090	2	5.1.0	Rel-5	Provide Location Information in case a terminating call is alerted	approved	B	5.2.0	CAMEL; Stage 1
SP-010047	22.078	092	2	3.6.0	R99	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	approved	F	3.7.0	CAMEL; Stage 1
SP-010047	22.078	093	2	4.1.0	Rel-4	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	approved	A	4.2.0	CAMEL; Stage 1
SP-010047	22.078	094	1	5.1.0	Rel-5	Interaction between CAMEL control of MO-/MT-SMS and Call Barring & ODB	approved	A	5.2.0	CAMEL; Stage 1
SP-010048	22.078	095		3.6.0	R99	Correction of interaction between CAMEL and BOIC	approved	F	3.7.0	CAMEL; Stage 1
SP-010048	22.078	096		4.1.0	Rel-4	Correction of interaction between CAMEL and BOIC	approved	A	4.2.0	CAMEL; Stage 1
SP-010048	22.078	097		5.1.0	Rel-5	Correction of interaction between CAMEL and BOIC	approved	A	5.2.0	CAMEL; Stage 1
SP-010049	22.078	098		3.6.0	R99	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	rejected	F		CAMEL; Stage 1
SP-010049	22.078	099		4.1.0	Rel-4	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	approved	F	4.2.0	CAMEL; Stage 1
SP-010049	22.078	100		5.1.0	Rel-5	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	approved	A	5.2.0	CAMEL; Stage 1
SP-010052	22.082	002		3.0.1	Rel-4	Notification of active CFU	approved	B	4.0.0	Call Forwarding (CF) Supplementary Services; Stage 1
SP-010053	22.101	062		4.2.0	Rel-4	Handling of interactions between applications requiring the access to UE resources	approved	A	4.3.0	UMTS Service principles
SP-010053	22.101	063		5.1.0	Rel-5	Handling of interactions between applications requiring the access to UE resources	approved	A	5.2.0	UMTS Service principles
SP-010054	22.101	064		4.2.0	Rel-4	PLMN name indication	approved	B	4.3.0	UMTS Service principles
SP-010054	22.101	065		5.1.0	Rel-5	PLMN name indication	approved	A	5.2.0	UMTS Service principles
SP-010055	22.101	066		4.2.0	Rel-4	CR to 22.101 on Introduction of CPHS features	approved	B	4.3.0	UMTS Service principles
SP-010055	22.101	067		5.1.0	Rel-5	CR to 22.101 on Introduction of CPHS features	approved	A	5.2.0	UMTS Service principles
SP-010056	22.101	068		4.2.0	Rel-4	Display of service provider name in the UE	approved	B	4.3.0	UMTS Service principles
SP-010056	22.101	069		5.1.0	Rel-5	Display of service provider name in the UE	approved	A	5.2.0	UMTS Service principles
SP-010057	22.101	070		5.1.0	Rel-5	CR to 22.101 on Clarifications on IMS emergency call support	approved	C	5.2.0	UMTS Service principles
SP-010058	22.115	005		3.3.0	Rel-5	Introduction of charging for IPMultimedia and Event Based Charging	approved	B	5.0.0	Service Aspects Charging and billing
SP-010059	22.121	018		4.0.0	Rel-4	Changes to TS 22.121 Release 4 - Update of 097 submitted to S1 Plenary	approved	F	4.1.0	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1
SP-010059	22.121	019		4.0.0	Rel-5	The Virtual Home Environment (Release 5) Addition of User profile requirement and changes for clarification	approved	B	5.0.0	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010060	22.127	001		4.0.0	Rel-4	CR to 22.127 V 4.0.0 on CS Call Control (Release 4)	approved	F	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010060	22.127	002		4.0.0	Rel-4	CR to 22.127 V 4.0.0 on User interaction(Release 4)	approved	F	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010163	22.127	003		4.0.0	Rel-4	Clarify the situation when a user becomes available	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010163	22.127	004		4.0.0	Rel-4	Terminal capabilities	rejected	D		Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010163	22.127	005		4.0.0	Rel-4	Make the Scope more precise description of 22.127	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010163	22.127	006		4.0.0	Rel-4	Clarify charging requirements	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010163	22.127	007		4.0.0	Rel-4	OSA consistency within stage1 specification	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010164	22.127	008		4.0.0	Rel-4	Clarification to the requirements of the Event Notification Function	approved	C	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1
SP-010061	22.129	017		4.1.0	Rel-4	Editorial CR to correct references to releases	approved	D	4.2.0	Handover Requirements between UMTS and GSM or other Radio Systems
SP-010062	22.140	004		4.0.1	Rel-4	Alignment of Stage 1 MMS to Stage 2 MMS	approved	C	4.1.0	Multimedia Messaging Service; Stage 1
SP-010062	22.140	005		4.0.1	Rel-4	Support for Streaming in MMS	approved	C	4.1.0	Multimedia Messaging Service; Stage 1
SP-010062	22.140	006		4.0.1	Rel-4	MM Forwarding	approved	F	4.1.0	Multimedia Messaging Service; Stage 1
SP-010062	22.140	007		4.0.1	Rel-4	New features in MMS R'4	approved	B	4.1.0	Multimedia Messaging Service; Stage 1
SP-010063	22.228	001		5.0.0	Rel-5	IMS to PSTN/ISDN interworking for basic voice calls only	approved	C	5.1.0	IP multimedia subsystem; Stage 1

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010116	03.60	A199		6.7.1	R97	Failure of Update GPRS Location when HLR is not reachable	approved	F	6.8.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	03.60	A200		7.5.0	R98	Failure of Update GPRS Location when HLR is not reachable	approved	A	7.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010120	03.71	A00	1	7.4.0	R98	Segmentation/Pre-emption for LCS	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A010	1	8.0.0	R99	Segmentation/Pre-emption for LCS	approved	F	8.1.0	Location services (LCS); Stage 2
SP-010120	03.71	A011		7.4.0	R98	Correction; BSSMAP Location Information Report replaced by BSSMAP Connection Oriented Information	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A012		8.0.0	R99	Correction; BSSMAP Location Information Report replaced by BSSMAP Connection Oriented Information	approved	F	8.1.0	Location services (LCS); Stage 2
SP-010120	03.71	A013	1	7.4.0	R98	LCS error handling (Inter-BSC Handover)	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A014	1	8.0.0	R99	LCS error handling (Inter-BSC Handover)	approved	F	8.1.0	Location services (LCS); Stage 2
SP-010120	03.71	A015	3	7.4.0	R98	Privacy check procedures for call related MT-LR, GSM 03.71	approved	D	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A016	1	7.4.0	R98	Corrections of A-GPS Broadcast Descriptions	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A017	1	8.0.0	R99	Corrections of A-GPS Broadcast Descriptions	approved	F	8.1.0	Location services (LCS); Stage 2
SP-010120	03.71	A018	1	7.4.0	R98	Applicability of LCS services in CS domain to GPRS mobile stations	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A019	1	8.0.0	R99	Applicability of LCS services in CS domain to GPRS mobile stations	approved	F	8.1.0	Location services (LCS); Stage 2
SP-010120	03.71	A020		7.4.0	R98	Geographical shape restriction in LCS	approved	F	7.5.0	Location services (LCS); Stage 2
SP-010120	03.71	A021		8.0.0	R99	Geographical shape restriction in LCS	approved	A	8.1.0	Location services (LCS); Stage 2
SP-010115	23.002	032	1	4.1.0	Rel-4	Clarification of the difference between MGW in BICCN and IMS	approved	D	4.2.0	Network Architecture
SP-010115	23.002	033	1	5.1.0	Rel-5	Clarification of the difference between MGW in BICCN and IMS	approved	D	5.2.0	Network Architecture
SP-010115	23.002	034		5.1.0	Rel-5	Introduction of Iu-CS and Iu-PS interfaces to BSS of type GERANin the network architecture	approved	A	5.2.0	Network Architecture
SP-010115	23.002	035	1	5.1.0	Rel-5	CSCF-GGSN interface	approved	B	5.2.0	Network Architecture
SP-010115	23.002	040		4.1.0	Rel-4	Missing Nc interface in basic configuration figure	approved	F	4.2.0	Network Architecture
SP-010115	23.002	041		5.1.0	Rel-5	Missing Nc interface in basic configuration figure	approved	A	5.2.0	Network Architecture
SP-010115	23.002	042		4.1.0	Rel-4	Removal of Iu for GERAN in Rel 4	approved	F	4.2.0	Network Architecture
SP-010115	23.002	043		4.1.0	Rel-4	Signalling and User Traffic Interfaces	approved	D	4.2.0	Network Architecture
SP-010115	23.002	044	2	5.1.0	Rel-5	Clarification to the GGSN/PCF interface to the R5 reference architecture	approved	F	5.2.0	Network Architecture
SP-010115	23.002	045		4.1.0	Rel-4	Resolution of editor's note in the MGW description	approved	D	4.2.0	Network Architecture
SP-010115	23.002	046		5.1.0	Rel-5	Resolution of editor's note in the MGW description	approved	A	5.2.0	Network Architecture
SP-010115	23.002	047		4.1.0	Rel-4	Removal of an editor's note in GMSC description	approved	D	4.2.0	Network Architecture
SP-010115	23.002	050		5.1.0	Rel-5	Signalling and User Traffic Interfaces	approved	A	5.2.0	Network Architecture
SP-010116	23.060	169		3.6.0	R99	Details on CAMEL interworking with SGSN (SGSN CAMEL procedures)	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	183	2	3.6.0	R99	MS permanent (static) PDP address allocation by External PDN/correction	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	186	3	3.6.0	R99	Suspend/Resume at Intersystem change	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2

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SP-010116	23.060	200	1	3.6.0	R99	Clarification of TFT request during secondary PDP context activation.	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	202		3.6.0	Rel-4	Add new feature ODB for Packet Oriented Services	approved	B	4.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	204	1	3.6.0	R99	Correction on PDCP Conversion at inter and intra SGSN intersystem change UMTS-GSM	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	205		3.6.0	R99	Correction to Annex A, SDL-diagram on the rules applied uponPDP context activation to determine the APN and the corresponding GGSN	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	209	2	3.6.0	R99	Connection re-establishment on forward handover without Iur	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	212	1	3.6.0	R99	Clarification of subscribed QoS	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	215	1	3.6.0	R99	Handling of user data during the SRNS relocation procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	216	1	3.6.0	R99	Clarification of Error Indication procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	217		3.6.0	R99	Failure of Update GPRS Location when HLR is not reachable	approved	A	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010116	23.060	218		3.6.0	R99	Correction to the relocation procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010117	23.107	024	2	4.0.0	Rel-5	UMTS Bearer Service Parameters	approved	B	5.0.0	Quality of Service, Concept and Architecture
SP-010117	23.107	046	1	3.5.0	R99	Clarification of traffic class weights in QoS profile	approved	F	3.6.0	Quality of Service, Concept and Architecture
SP-010118	23.127	020		4.0.0	Rel-4	Transfer of stage 3 material to 29.198	approved	B	4.1.0	Virtual Home Environment; Stage 2
SP-010118	23.127	021		4.0.0	Rel-4	Inclusion of Rel4 new feature	approved	B	4.1.0	Virtual Home Environment; Stage 2
SP-010120	23.171	015		3.2.0	R99	Service Area definition in LCS stage 2	approved	F	3.3.0	Functional stage 2 description of location services in UMTS
SP-010120	23.171	016	3	3.2.0	R99	Stop reporting procedure for UMTS, TS 23.171 (Rel 99)	approved	A	3.3.0	Functional stage 2 description of location services in UMTS
SP-010119	23.221	001	1	4.0.0	Rel-5	Inclusion of Release 5 requirements for the IM CN subsystem	approved	A	5.0.0	Architectural requirements
SP-010120	23.271	001	1	4.0.0	Rel-4	Exception Procedures in SGSN	approved	B	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	002		4.0.0	Rel-4	Correct Inconsistencies in LCS Stage 2 for the CN	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	003	1	4.0.0	Rel-4	IP addressing in LCS	approved	B	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	006	2	4.0.0	Rel-4	Clarification of the use of the LCS client ID	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	007	1	4.0.0	Rel-4	MT-LR PS and CS procedures	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	008	1	4.0.0	Rel-4	POI not applicable to PLMN operator service	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	009		4.0.0	Rel-4	Clarification of the privacy class selection	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	010		4.0.0	Rel-4	Call related/unrelated is applicable only to value added service	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	011	3	4.0.0	Rel-4	Interworking with pre-Rel'4 LCS	approved	B	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	012	1	4.0.0	Rel-4	Clarification on the use of APN as LCS Client ID	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	013	1	4.0.0	Rel-4	Presence condition of External LCS Client list for Call/session Related Class	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	014	1	4.0.0	Rel-4	MS presence notification procedure for LCSAs informative annex to 23.271	approved	B	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	015	3	4.0.0	Rel-4	Stop reporting procedure for UMTS, TS 23.271 (Rel 4)	approved	A	4.1.0	Functional stage 2 description of location services

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SP-010120	23.271	016	3	4.0.0	Rel-4	Privacy check procedures for call related MT-LR, TS 23.271 (Rel 4)	approved	A	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	017	1	4.0.0	Rel-4	Restructuring chapter 9.5.3 MS Privacy options, CR to 23.271 Rel4	approved	D	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	018	1	4.0.0	Rel-4	Correction on the privacy check for session related class	approved	F	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	019	1	4.0.0	Rel-4	Editorial to change MS to UE	approved	D	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	020	1	4.0.0	Rel-4	Clarification of CN and RAN classmarks for LCS purposes	approved	D	4.1.0	Functional stage 2 description of location services
SP-010120	23.271	021	1	4.0.0	Rel-4	Paging Procedure in PS-MT-LR	approved	C	4.1.0	Functional stage 2 description of location services

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010130	03.35	001		8.0.0	R99	IST implementation for non-CAMEL subscribers	approved	F	8.1.0	Immediate Service Termination (IST); Stage 2
SP-010131	33.102	135		3.7.0	R99	RES has to be a multiple of 8 bits	approved	F	3.8.0	Security Architecture
SP-010131	33.102	136		3.7.0	R99	Add bit ordering convention	approved	F	3.8.0	Security Architecture
SP-010131	33.102	137		3.7.0	R99	Timing of security mode procedure	approved	F	3.8.0	Security Architecture
SP-010132	33.102	138		3.7.0	Rel-4	Add requesting node type to authentication data request	approved	C	4.0.0	Security Architecture
SP-010132	33.102	139		3.7.0	Rel-4	Additional Parameters in Authentication Failure Report	approved	C	4.0.0	Security Architecture
SP-010131	33.102	140		3.7.0	R99	Correction to the handling of re-transmitted authentication request messages on the ME	approved	F	3.8.0	Security Architecture
SP-010131	33.102	141		3.7.0	R99	Optional Support for USIM-ME interface for GSM-Only ME	approved	F	3.8.0	Security Architecture
SP-010131	33.102	142	1	3.7.0	R99	Definition corrections	approved	F	3.8.0	Security Architecture
SP-010131	33.102	143		3.7.0	R99	GSM ciphering capability Handling in Security Mode set up procedure	approved	F	3.8.0	Security Architecture
SP-010133	33.103	013		3.4.0	R99	Add bit ordering convention	approved	F	3.5.0	Security Integration Guidelines
SP-010134	33.105	016		3.6.0	R99	Add bit ordering convention	approved	F	3.7.0	Cryptographic Algorithm requirements
SP-010134	33.105	017		3.6.0	R99	RES has to be a multiple of 8 bits	approved	F	3.7.0	Cryptographic Algorithm requirements
SP-010134	33.105	018		3.6.0	R99	Minimum clock frequency updated	approved	F	3.7.0	Cryptographic Algorithm requirements
SP-010135	33.106	002		3.1.0	Rel-4	Update of TS 33.106 for release 4	approved	B	4.0.0	Lawful interception requirements
SP-010136	33.106	003		3.1.0	Rel-5	Release 5 updates	approved	B	5.0.0	Lawful interception requirements
SP-010137	33.107	002		3.1.0	R99	Correction of Location information parameters in interception event records	approved	F	3.2.0	Lawful interception architecture and functions
SP-010146	33.107	003		3.1.0	Rel-4	Update of TS 33/107 for Release 4 - Inclusion of PS LI requirements	approved	B	4.0.0	Lawful interception architecture and functions

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010098	02.53	002		8.0.0	Rel-4	Extension of TFO to AMR	approved	C	4.0.0	Tandem Free Operation (TFO); Service description; Stage 1
SP-010099	03.50	A029	2	8.1.1	Rel-4	Harmonisation of requirements on terminal acoustics in GSM and 3G	approved	F	4.0.0	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System
SP-010099	03.50	A030	2	8.1.1	Rel-5	Harmonisation of requirements on terminal acoustics in GSM and 3G	approved	F	5.0.0	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System
SP-010098	03.53	001	1	8.0.0	Rel-4	Extension of TFO to AMR	approved	C	4.0.0	Tandem Free Operation (TFO); Service description; Stage 2
SP-010100	06.73	A023		7.4.1	R98	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010100	06.73	A024		7.4.1	R98	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010100	06.73	A025		7.4.1	R98	Correction of mode state bug in AMR decoder	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010100	06.73	A026	1	7.4.1	R98	Correction of TX_TYPE and RX_TYPE identifiers	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010100	06.73	A027		7.4.1	R98	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010101	06.74	A001		7.0.2	R98	Update of AMR codec test sequences after CRs to TS 06.73	approved	F	7.1.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec
SP-010102	06.77	A001	4	8.0.0	R99	Addition of test plan and tidying	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder
SP-010102	06.77	A002	1	8.0.0	R99	Update of C code for objective measures for NS algorithm characterization	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder
SP-010102	06.77	A003	1	8.0.0	R99	Correction of Annex A	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder
SP-010100	26.073	003		3.1.0	R99	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	A	3.2.0	AMR speech Codec; C-source code
SP-010100	26.073	004		3.1.0	Rel-4	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	A	4.0.0	AMR speech Codec; C-source code
SP-010100	26.073	005		3.1.0	R99	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	A	3.2.0	AMR speech Codec; C-source code
SP-010100	26.073	006		3.1.0	Rel-4	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	A	4.0.0	AMR speech Codec; C-source code
SP-010100	26.073	007		3.1.0	R99	Correction of mode state bug in AMR decoder	approved	A	3.2.0	AMR speech Codec; C-source code
SP-010100	26.073	008		3.1.0	Rel-4	Correction of mode state bug in AMR decoder	approved	A	4.0.0	AMR speech Codec; C-source code
SP-010100	26.073	009	1	3.1.0	R99	Correction of TX_TYPE and RX_TYPE identifiers	approved	A	3.2.0	AMR speech Codec; C-source code
SP-010100	26.073	010	1	3.1.0	Rel-4	Correction of TX_TYPE and RX_TYPE identifiers	approved	A	4.0.0	AMR speech Codec; C-source code
SP-010100	26.073	011		3.1.0	R99	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	A	3.2.0	AMR speech Codec; C-source code
SP-010100	26.073	012		3.1.0	Rel-4	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	A	4.0.0	AMR speech Codec; C-source code
SP-010101	26.074	001		3.0.2	R99	Update of AMR codec test sequences after CRs to TS 06.73	approved	A	3.1.0	AMR speech Codec; Test sequences
SP-010101	26.074	002		3.0.2	Rel-4	Update of AMR codec test sequences after CRs to TS 06.73	approved	A	4.0.0	AMR speech Codec; Test sequences

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SP-010103	26.102	006	2	3.2.0	R99	Removal of TFO and TrFO from Release 99, and removal of Initial Time Alignment	approved	F	3.3.0	AMR speech Codec; Interface to Iu and Uu
SP-010103	26.102	008	1	3.2.0	Rel-4	Introduction of TFO and TrFO	approved	B	4.0.0	AMR speech Codec; Interface to Iu and Uu
SP-010104	26.103	007		4.0.0	Rel-4	Simplification 0f the Optimisation Mode Field	approved	C	4.1.0	Codec lists
SP-010104	26.103	008	2	4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2	revised	B		Codec lists
SP-010199	26.103	008	3	4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2	approved	B	4.1.0	Codec lists
SP-010199	26.103	009		4.0.0	Rel-5	Introduction of AMR-WB	approved	B	5.0.0	Codec lists
SP-010105	26.110	002	1	4.0.0	Rel-4	Support of mobile multi-link operation in 3G-324M	approved	C	4.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description
SP-010105	26.110	003	1	3.0.1	R99	Correction of incorrect reference	approved	F	3.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description
SP-010105	26.110	004	1	4.0.0	Rel-4	Correction of incorrect reference	approved	A	4.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description
SP-010106	26.131	005	1	3.1.0	R99	Harmonisation of narrow-band acoustic requirements between 3GPP and GSM'	approved	F	3.2.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics
SP-010106	26.131	006	3	3.1.0	Rel-5	Wideband acoustic requirements	approved	B	5.0.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics
SP-010107	26.132	002	1	3.1.0	R99	Harmonisation of test methods for acoustics between 3GPP and GSM	approved	F	3.2.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.
SP-010107	26.132	003	1	3.1.0	Rel-5	Compatibility with testing wideband telephony transmission performance	approved	B	5.0.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.
SP-010108	26.230	001		4.0.0	Rel-5	Bug fix in source code of the CTM receiver	approved	F	5.0.0	Global text telephony; Cellular text telephone modem transmitter C-code description description
SP-010109	26.911	010	1	4.0.0	Rel-4	ITU-T V.80 support for 3G terminals	approved	B	4.1.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor’s Guide

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010023	32.005	005		3.3.1	R99	Correction/completion of ASN.1 module	approved	F	3.4.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-010023	32.005	006		3.3.1	R99	Correction for bulk transfer	approved	F	3.4.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain
SP-010024	32.015	020		3.4.0	R99	Correct ASN.1 errors	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010024	32.015	021		3.4.0	R99	Correction of Requests Responded IE Type Value	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010024	32.015	022		3.4.0	R99	Correction/completion of ASN.1 module	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010024	32.015	023		3.4.0	R99	Correct ASN.1 errors	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010024	32.015	024		3.4.0	R99	Trigger for RNC volume report	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010024	32.015	025		3.4.0	R99	Correction of parameter 'Served PDP Address'	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010022	32.101	007		3.3.0	R99	Removal of Reference to 32.105	approved	F	3.4.0	3G Telecom Management principles and high level requirements
SP-010026	32.102	007		3.2.0	R4	Add UMTS TMN conformance	approved	B	4.0.0	3G Telecom Management Architecture
SP-010027	32.106-2	003		3.2.0	R99	Add Information Service QOS specification	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1
SP-010027	32.106-2	004		3.2.0	R99	Remove the reference to Relationship Change Notifications (ITU-T X.732)	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1
SP-010028	32.106-3	005		3.2.0	R99	Correct the IDL syntax error in the NotificationIRPSystem module	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010028	32.106-3	006		3.2.0	R99	Missing NV constant string for the Notify Alarm List Rebuilt reason attribute	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010028	32.106-3	007		3.2.0	R99	Add CORBA Quality of Service parameters	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010028	32.106-3	008		3.2.0	R99	Mismatched Notification Id type	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010028	32.106-3	009		3.2.0	R99	Use stringified IOR instead of type Object for manager_reference	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010028	32.106-3	010		3.2.0	R99	Mismatched SubscriptionId types	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010028	32.106-3	011		3.2.0	R99	Remove CosNotifyComm.idl not used in the module NotificationIRPSystem	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-010029	32.106-5	001		3.0.0	R99	UMTS Network Resource Model alignment with TSG RAN specifications	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1
SP-010029	32.106-5	002		3.0.0	R99	Correction of notifyObjectDeletion and notifyObjectCreation behaviour description	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1
SP-010030	32.106-6	001		3.0.0	R99	Remove TimeBase.idl not used in the module NotificationDefs	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	002		3.0.0	R99	Update get_basicCm_IRP_version to be consistent with Alarm IRP and Notification IRP	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	003		3.0.0	R99	Mismatched irpVersion types	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	004		3.0.0	R99	Update Basic CM IRP Iterator to be consistent with Alarm IRP Iterator	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	005		3.0.0	R99	Removing nested IDL modules	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	006		3.0.0	R99	Update Structured Event table to be consistent with Alarm IRP	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010030	32.106-6	007		3.0.0	R99	UMTS Network Resource Model alignment with TSG RAN specifications	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1
SP-010031	32.106-7	001		3.0.0	R99	Making 32106-7 (CMIP SS) compliant to 32106-5 (IS/IM)	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1
SP-010031	32.106-7	002		3.0.0	R99	Update 32.106-7 based on CR 001 of 32.106-5 (S5-010133)	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1
SP-010032	32.111-3	004		3.3.0	R99	Missing how "Notify Alarm List Rebuilt" reason attribute is located in Structured Event	approved	F	3.4.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-010032	32.111-3	005		3.3.0	R99	Use alarmInformationBody in additionalInformation.ackTime	approved	F	3.4.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1

E.6 CRs from TSG level

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010067	21.101	004		3.2.0	R99	Correction to list of specs	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-010206	21.101	004	1	3.2.0	R99	Correction to list of specs	approved	F	3.3.0	3rd Generation mobile system Release 1999 Specifications
SP-010193	21.801	001		4.0.0	Rel-4	Automatic numbering of references	approved	B	4.1.0	3GPP drafting rules
SP-010203	21.801	002		4.0.0	Rel-4	Permission to use the Visio drawing tool, and other clarifications	revised	C		3GPP drafting rules
SP-010213	21.801	002	1	4.0.0	Rel-4	Clarification on use of automatically numbered figures, tables, etc	approved	C	4.1.0	3GPP drafting rules
SP-010066	21.900	014		3.5.0	R99	Inclusion of GSM spec numbering scheme	revised	F		3GPP working methods
SP-010178	21.900	014	1	3.5.0	R99	Inclusion of GSM spec numbering scheme	approved	F	3.6.0	3GPP working methods

Annex F: Status of all 3GPP CRs after TSG SA #11 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-010147	03.22	A053	2	7.3.0	R98	Roaming restrictions for GPRS service	approved	A	7.4.0	Functions Related to Mobile Station (MS) in Idle Mode	N1
NP-010044	07.60	A021		7.1.0	R98	Removal of IHOSS and OSP	approved	F	7.2.0	General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	N3
NP-010040	08.20	A010		5.3.0	R96	Correction to downgrading procedure for HSCSD	approved	F	5.4.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-010040	08.20	A011		6.0.0	R97	Correction to downgrading procedure for HSCSD	approved	A	6.1.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-010040	08.20	A012		7.0.1	R98	Correction to downgrading procedure for HSCSD	approved	A	7.1.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-010040	08.20	A013		8.3.0	R99	Correction to downgrading procedure for HSCSD	approved	A	8.4.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-010075	09.02	A312	1	7.7.0	R98	Correction to LCS application context	approved	F	7.8.0	Mobile Application Part (MAP) Specification	N4
NP-010069	09.02	A315		6.10.0	R97	Failure of Update GPRS Location when HLR is not reachable	approved	F	6.11.0	Mobile Application Part (MAP) Specification	N4
NP-010069	09.02	A316		7.7.0	R98	Failure of Update GPRS Location when HLR is not reachable	approved	A	7.8.0	Mobile Application Part (MAP) Specification	N4
NP-010069	09.02	A317	1	6.10.0	R97	Failure of Authentication Parameter GPRS when HLR is not reachable	approved	F	6.11.0	Mobile Application Part (MAP) Specification	N4
NP-010069	09.02	A318		7.7.0	R98	Failure of Authentication Parameter GPRS when HLR is not reachable	approved	A	7.8.0	Mobile Application Part (MAP) Specification	N4
NP-010069	09.10	A011		6.1.0	R97	Mapping of unknown HLR error to access interface cause code	approved	F	6.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010069	09.10	A012		7.1.0	R98	Mapping of unknown HLR error to access interface cause code	approved	A	7.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010069	09.10	A013		6.1.0	R97	Roaming restrictions for GPRS service	approved	F	6.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4

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NP-010069	09.10	A014		7.1.0	R98	Roaming restrictions for GPRS service	approved	A	7.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010071	09.60	A100	1	7.6.0	R98	IMSI Encoding Clarification	approved	A	7.7.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-010071	09.60	A101	1	6.9.0	R97	IMSI Encoding Clarification	approved	F	6.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-010072	09.60	A102	1	7.6.0	R98	Re-configure the IEs in the Create PDP Context Request to make it in ascending order	approved	F	7.7.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-010044	09.61	A016		7.2.0	R98	Removal of IHOSS and OSP	approved	F	7.3.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3
NP-010076	23.003	025		3.7.0	R99	Clarification to Definition of Service Area Identifier	approved	F	3.8.0	Numbering, Addressing and Identification	N4
NP-010070	23.003	026		3.7.0	R99	Forbidden APN network identifier labels	approved	F	3.8.0	Numbering, Addressing and Identification	N4
NP-010087	23.008	032	1	3.5.0	Rel-4	Declare barring data for ODB PS	approved	B	4.0.0	Organisation of subscriber data	N4
NP-010085	23.008	033	1	3.5.0	Rel-4	Addition of LCS related subscriber data for PS domain	revised	B		Organisation of subscriber data	N4
NP-010217	23.008	033	2	3.5.0	Rel-4	Addition of LCS related subscriber data for PS domain	approved	B	4.0.0	Organisation of subscriber data	N4
NP-010087	23.015	002		3.1.0	Rel-4	Add PDP context activation barring scenario, etc	approved	B	4.0.0	Technical realisation of Operator Determined Barring (ODB)	N4
NP-010087	23.016	017	1	3.6.0	Rel-4	Add three subscriber statuses to the 'ODB Data for GPRS services'	approved	B	4.0.0	Subscriber data management ; Stage 2	N4
NP-010075	23.016	018		3.6.0	R99	Alignment about Notification to MS User between 09.02 , 03.71(LCS Stage2) and 03.16	approved	A	3.7.0	Subscriber data management ; Stage 2	N4
NP-010085	23.016	019	1	3.6.0	Rel-4	Extension of call related privacy class for LCS Release 4	revised	B		Subscriber data management ; Stage 2	N4
NP-010217	23.016	019	2	3.6.0	Rel-4	Extension of call related privacy class for LCS Release 4	approved	B	4.0.0	Subscriber data management ; Stage 2	N4
NP-010085	23.016	020		3.6.0	Rel-4	PS domain support for LCS Release 4	revised	B		Subscriber data management ; Stage 2	N4
NP-010217	23.016	020	1	3.6.0	Rel-4	PS domain support for LCS Release 4	approved	B	4.0.0	Subscriber data management ; Stage 2	N4
NP-010088	23.018	065	1	4.1.0	Rel-4	Incorporation of MPTY and ECT into the Subs_FSM process	revised	C		Basic Call Handling - Technical realization	N4
NP-010219	23.018	065	2	4.1.0	Rel-4	Incorporation of MPTY and ECT into the Subs_FSM process	approved	C	4.2.0	Basic Call Handling - Technical realization	N4
NP-010088	23.018	067		4.1.0	Rel-4	Removal of CW descriptions	revised	C		Basic Call Handling - Technical realization	N4
NP-010219	23.018	067	1	4.1.0	Rel-4	Removal of CW descriptions	approved	C	4.2.0	Basic Call Handling - Technical realization	N4
NP-010076	23.018	068		3.6.0	R99	Paging not via the SGSN correction	approved	F	3.7.0	Basic Call Handling - Technical realization	N4
NP-010076	23.018	069		4.1.0	Rel-4	Paging not via the SGSN correction	approved	A	4.2.0	Basic Call Handling - Technical realization	N4
NP-010055	23.078	256	2	3.7.0	R99	Clarification on APN usage in the ConnectGPRS operation	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	257		3.7.0	R99	Update of References	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-010055	23.078	258	1	3.7.0	R99	Hand-over indication for GPRS	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	259	1	3.7.0	R99	Description of Entity Released GPRS	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	260	1	3.7.0	R99	Correction to description of 'O-CSI Applicable' parameter	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	261	1	3.7.0	R99	Restriction on SS-CSI to VLR - no marking for CCBS	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	263	1	3.7.0	R99	No Volume charging on GPRS Session (clarifying text)	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	264	2	3.7.0	R99	Correction of "Call Forwarding Notification" feature in CAMEL Phase 3.	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	267	1	3.7.0	R99	Usage of MSISDN for CAMEL - USSD Information Flows	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	268	1	3.7.0	R99	Correction of error implementing CR 23.078-118r2	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	269	4	3.7.0	R99	Correction of reference	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
	23.078	270	1	3.7.0	R99	Clarification of APN change in PDP Context Established		F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010055	23.078	271	1	3.7.0	R99	Correction on GPRS related information flows	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	272		3.7.0	R99	Corrections to Information Flow Definitions	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	273	1	3.7.0	R99	Correction of the Location Information IE	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	274		3.7.0	R99	Correction of Interactions with Call Barring in CAMEL Phase 3.	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	279		3.7.0	R99	Correction of Triggering after Call Gapping in CAMEL Phase 3.	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	280	1	3.7.0	R99	Correction of SDL Set_Notification_Type	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-010056	23.078	282	1	3.7.0	R99	Correction to vendor/operator specific GPRS charging response timer handling	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	283		3.7.0	R99	Marking of Location Number in InitialDP SMS as 'Conditional'	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	284	1	3.7.0	R99	Correction on checking DP criteria and sending VT/T-CSI	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010056	23.078	285		3.7.0	R99	Correction of Output Signals in Process Reconnected_MT_Call_VLR	approved	F	3.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010088	23.083	006	2	4.0.0	Rel-4	Enhancement of procedures for Call Hold	revised	C		Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	N4
NP-010219	23.083	006	3	4.0.0	Rel-4	Enhancement of procedures for Call Hold	approved	C	4.1.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	N4
NP-010088	23.083	007		4.0.0	Rel-4	Enhancement of CW procedures	rejected	C		Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	N4
NP-010088	23.084	003		3.2.0	Rel-4	Enhancement of MPTY SDLs and CAMEL functionality	revised	C		MultiParty (MPTY) Supplementary Service ; Stage 2	N4
NP-010219	23.084	003	1	3.2.0	Rel-4	Enhancement of MPTY SDLs and CAMEL functionality	approved	C	4.0.0	MultiParty (MPTY) Supplementary Service ; Stage 2	N4
NP-010088	23.091	003		3.2.0	Rel-4	Enhancement of ECT SDLs and CAMEL functionality	revised	C		Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	N4
NP-010219	23.091	003	1	3.2.0	Rel-4	Enhancement of ECT SDLs and CAMEL functionality	approved	C	4.0.0	Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	N4
NP-010084	23.153	001	1	4.0.0	Rel-4	Correct wording of Nb / Iu UP protocol	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	003	1	4.0.0	Rel-4	Alignment of codec modification procedures with current BICC CS2 procedures	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	004	1	4.0.0	Rel-4	Alignment of codec modification procedures with current BICC CS2 procedures	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	005	1	4.0.0	Rel-4	Alignment of codec modification procedures with current BICC CS2 procedures	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	006	1	4.0.0	Rel-4	Interaction with CCBS	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	007	2	4.0.0	Rel-4	Chapter 5.6, establishment of additional calls	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	009	1	4.0.0	Rel-4	Editorials and minor corrections	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	012	2	4.0.0	Rel-4	Change of terminology from "Node X" to "MSC Server X"	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	014	1	4.0.0	Rel-4	Alignment of codec modification procedures with current BICC CS2 procedures	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	015		4.0.0	Rel-4	Alignment of SRNS Relocation with 3G TS 23.205	approved	F	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	016		4.0.0	Rel-4	Inter-MSC Serving Area SRNS Relocation	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	017	1	4.0.0	Rel-4	General Improvements	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	020		4.0.0	Rel-4	Reference to Q.2630 in certain diagrams should be bearer independent	approved	D	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	021	1	4.0.0	Rel-4	Initialisation Issues	approved	C	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010084	23.153	022	2	4.0.0	Rel-4	Avoiding double description of Iu framing package procedure	approved	F	4.1.0	Out of Band Transcoder Control ; Stage 2	N4
NP-010041	23.910	020		3.3.0	R99	A-TRAU´ correction	revised	F		Circuit switched data bearer services	N3

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NP-010204	23.910	020	1	3.3.0	R99	A-TRAU´ correction	approved	F	3.4.0	Circuit switched data bearer services	N3
NP-010041	23.910	021		4.1.0	REL-4	A-TRAU´ correction	revised	A		Circuit switched data bearer services	N3
NP-010204	23.910	021	1	4.1.0	REL-4	A-TRAU´ correction	approved	A	4.2.0	Circuit switched data bearer services	N3
NP-010043	23.910	022		3.3.0	R99	Correction of service's scope	approved	F	3.4.0	Circuit switched data bearer services	N3
NP-010042	23.910	023		3.3.0	R99	RAB-assignment request (RAB parameter)	approved	F	3.4.0	Circuit switched data bearer services	N3
NP-010041	23.910	024		3.3.0	R99	A-TRAU' synchronization	revised	F		Circuit switched data bearer services	N3
NP-010204	23.910	024	1	3.3.0	R99	A-TRAU' synchronization	approved	F	3.4.0	Circuit switched data bearer services	N3
NP-010043	23.910	025		4.1.0	REL-4	Correction of service's scope	approved	A	4.2.0	Circuit switched data bearer services	N3
NP-010045	23.910	026		4.1.0	REL-4	Introduction of Nb UP	approved	B	4.2.0	Circuit switched data bearer services	N3
NP-010041	23.910	027		4.1.0	REL-4	A-TRAU' synchronization	revised	A		Circuit switched data bearer services	N3
NP-010204	23.910	027	1	4.1.0	REL-4	A-TRAU' synchronization	approved	A	4.2.0	Circuit switched data bearer services	N3
NP-010042	23.910	028		4.1.0	REL-4	RAB-assignment request (RAB parameter)	approved	A	4.2.0	Circuit switched data bearer services	N3
NP-010085	24.010	002		3.1.0	Rel-4	Adaptation of SS to PS domain	revised	B		Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010217	24.010	002	1	3.1.0	Rel-4	Adaptation of SS to PS domain	approved	B	4.0.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010085	24.030	002		3.1.0	Rel-4	Adaptation of SS to PS domain	revised	B		Location Services LCS Stage 3 SS (MO-LR)	N4
NP-010217	24.030	002	1	3.1.0	Rel-4	Adaptation of SS to PS domain	approved	B	4.0.0	Location Services LCS Stage 3 SS (MO-LR)	N4
NP-010042	27.001	046	1	3.7.0	R99	Removal of the blocking of higher modem speeds and editorial changes	approved	F	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010042	27.001	047	1	4.2.0	REL-4	Removal of the blocking of higher modem speeds and editorial changes	approved	A	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010046	27.001	048	1	4.2.0	REL-4	Removal of FAX NT in GSM from REL-4	approved	C	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010042	27.001	049		3.7.0	R99	RAB-assignment request (RAB parameter)	approved	F	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010042	27.001	050		4.2.0	REL-4	RAB-assignment request (RAB parameter)	approved	A	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010042	27.001	051		3.7.0	R99	Removal of flow diagram B.1.3.1.7	approved	F	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010042	27.001	052		4.2.0	REL-4	Removal of flow diagram B.1.3.1.7	approved	A	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010047	27.001	053		4.2.0	REL-4	Editorial modifications of flow diagrams	approved	D	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010043	27.001	054		3.7.0	R99	Correction of service's scope	approved	F	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010043	27.001	055		4.2.0	REL-4	Correction of service's scope	approved	A	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010041	27.001	056		3.7.0	R99	Corrections for a mobile terminated call using the single numbering scheme	revised	F		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010166	27.001	056	1	3.7.0	R99	Corrections for a mobile terminated call using the single numbering scheme	revised	F		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-010202	27.001	056	2	3.7.0	R99	Corrections for a mobile terminated call using the single numbering scheme	approved	F	3.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010041	27.001	057		4.2.0	REL-4	Corrections for a mobile terminated call using the single numbering scheme	revised	A		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010166	27.001	057	1	4.2.0	REL-4	Corrections for a mobile terminated call using the single numbering scheme	revised	A		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010202	27.001	057	2	4.2.0	REL-4	Corrections for a mobile terminated call using the single numbering scheme	approved	A	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010047	27.001	058		4.2.0	REL-4	Clarification of allowed combinations of FNUR and ACC values for the V.34 modem based 3G-H.324/M service.	approved	D	4.3.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010046	27.003	008		4.0.0	REL-4	Removal of FAX NT in GSM from REL-4	approved	C	4.1.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3
NP-010044	27.060	014		3.4.0	R99	DHCP lease renewal	approved	F	3.5.0	GPRS Mobile Stations supporting GPRS	N3
NP-010044	27.060	015		3.4.0	R99	Removal of IHOSS and OSP	approved	A	3.5.0	GPRS Mobile Stations supporting GPRS	N3
NP-010075	29.002	205	1	3.7.2	R99	Correction to LCS application context	approved	A	3.8.0	Mobile Application Part (MAP)	N4
NP-010075	29.002	206	1	4.2.1	Rel-4	Correction to LCS application context	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010087	29.002	215	2	4.2.1	Rel-4	Add parameters to ISD and SRI for GPRS to handle ODB for PS	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010077	29.002	216		3.7.2	R99	Correction to maximum numbers of RAB's	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010077	29.002	217		4.2.1	Rel-4	Correction to maximum numbers of RAB's	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010085	29.002	222	1	4.2.1	Rel-4	PS domain support for LCS Release 4	revised	B		Mobile Application Part (MAP)	N4
NP-010217	29.002	222	2	4.2.1	Rel-4	PS domain support for LCS Release 4	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010069	29.002	223		3.7.2	R99	Failure of Update GPRS Location when HLR is not reachable	approved	A	3.8.0	Mobile Application Part (MAP)	N4
NP-010069	29.002	224		4.2.1	Rel-4	Failure of Update GPRS Location when HLR is not reachable	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010067	29.002	225	2	3.7.2	R99	Addition of selected UMTS algorithm indication to the handover procedures	rejected	F		Mobile Application Part (MAP)	N4
NP-010166	29.002	228		3.7.2	R99	Adding EXPORT definition for LSAIdentity	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	229		3.7.2	R99	Removing duplicate parameters from SS-CSI	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010067	29.002	229	2	3.7.2	R99	Addition of allowed GSM algorithms indication to the handover procedures	rejected	F		Mobile Application Part (MAP)	N4
NP-010166	29.002	230		3.7.2	R99	Correction to description of SS-CSI in HLR to VLR information flow	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010085	29.002	231	1	4.2.1	Rel-4	Extension of call related privacy class for LCS Release 4	revised	B		Mobile Application Part (MAP)	N4
NP-010217	29.002	231	2	4.2.1	Rel-4	Extension of call related privacy class for LCS Release 4	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010085	29.002	232	1	4.2.1	Rel-4	Maximum numbers of LCS Clients	revised	B		Mobile Application Part (MAP)	N4
NP-010217	29.002	232	2	4.2.1	Rel-4	Maximum numbers of LCS Clients	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010085	29.002	233	1	4.2.1	Rel-4	MS presence notification procedure for LCS	revised	B		Mobile Application Part (MAP)	N4
NP-010078	29.002	234		4.2.1	Rel-4	MAP over IP according to SIGTRAN	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010086	29.002	236	1	4.2.1	Rel-4	Requesting node type in authentication set request	approved	B	4.3.0	Mobile Application Part (MAP)	N4
NP-010067	29.002	239	2	4.2.1	Rel-4	Addition of selected UMTS algorithm indication to the handover procedures	rejected	A		Mobile Application Part (MAP)	N4
NP-010067	29.002	241	2	4.2.1	Rel-4	Addition of allowed GSM algorithms indication to the handover procedures	rejected	A		Mobile Application Part (MAP)	N4

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NP-010067	29.002	242	1	3.7.2	R99	Addition of allowed UMTS algorithm indication to the handover procedures	rejected	F		Mobile Application Part (MAP)	N4
NP-010067	29.002	243	1	3.7.2	R99	Addition of selected GSM algorithm indication to the handover procedures	rejected	F		Mobile Application Part (MAP)	N4
NP-010067	29.002	244	1	4.2.1	Rel-4	Addition of allowed UMTS algorithm indication to the handover procedures	rejected	A		Mobile Application Part (MAP)	N4
NP-010067	29.002	245	1	4.2.1	Rel-4	Addition of selected GSM algorithm indication to the handover procedures	rejected	A		Mobile Application Part (MAP)	N4
NP-010166	29.002	246		4.2.1	Rel-4	Adding EXPORT definition for LSAIdentity	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	247		4.2.1	Rel-4	Removing duplicate parameters from SS-CSI	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	248		4.2.1	Rel-4	Correction to description of SS-CSI in HLR to VLR information flow	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010074	29.002	249		3.7.2	R99	GSM to UMTS handover: addition of MAP parameter Target RNC ID	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010074	29.002	250		4.2.1	REL-4	GSM to UMTS handover: addition of MAP parameter Target RNC ID	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010077	29.002	251		3.7.2	R99	Clarification of the use of multicall bearer information	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010077	29.002	252		4.2.1	Rel-4	Clarification of the use of multicall bearer information	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	257		3.7.2	R99	Adding EXPORT definition for GeographicalInformation	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	258		4.2.1	Rel-4	Adding EXPORT definition for GeographicalInformation	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010069	29.002	259		3.7.2	R99	Failure of Authentication Parameter GPRS when HLR is not reachable	approved	A	3.8.0	Mobile Application Part (MAP)	N4
NP-010069	29.002	260		4.2.1	Rel-4	Failure of Authentication Parameter GPRS when HLR is not reachable	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	261	1	3.7.2	R99	Correction to D-CSI	approved	F	3.8.0	Mobile Application Part (MAP)	N4
NP-010166	29.002	262	1	4.2.1	Rel-4	Correction to D-CSI	approved	A	4.3.0	Mobile Application Part (MAP)	N4
NP-010041	29.007	034		3.7.0	R99	A-TRAU´ correction	revised	F		General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010204	29.007	034	1	3.7.0	R99	A-TRAU´ correction	approved	F	3.8.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010041	29.007	035		4.1.0	REL-4	A-TRAU´ correction	revised	A		General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010204	29.007	035	1	4.1.0	REL-4	A-TRAU´ correction	approved	A	4.2.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010041	29.007	036		3.7.0	R99	A-TRAU' synchronization	revised	F		General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010204	29.007	036	1	3.7.0	R99	A-TRAU' synchronization	approved	F	3.8.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010041	29.007	037		4.1.0	REL-4	A-TRAU' synchronization	revised	A		General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010204	29.007	037	1	4.1.0	REL-4	A-TRAU' synchronization	approved	A	4.2.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010046	29.007	038		4.1.0	REL-4	Removal of FAX NT in GSM from REL-4	approved	C	4.2.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-010045	29.007	039		4.1.0	REL-4	Introduction of Nb UP	approved	B	4.2.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3

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NP-010074	29.010	012		3.4.0	R99	GSM to UMTS handover: addition of MAP parameter Target RNC ID	approved	F	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010074	29.010	013		3.4.0	R99	Inter MSC relocation: addition of MAP parameter Target RNC ID	approved	F	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010069	29.010	014		3.4.0	R99	Roaming restrictions for GPRS service	approved	A	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010068	29.010	015		3.4.0	R99	Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)	approved	F	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010068	29.010	016		3.4.0	R99	UMTS to GSM Directed Retry cause code mapping	approved	F	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010069	29.010	017		3.4.0	R99	Mapping of unknown HLR error to access interface cause code	approved	A	3.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010073	29.060	155	4	3.7.0	R99	Adding Uplink TEID Data I and user plane GGSN address to PDP Context IE	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	162		3.7.0	R99	Handling of sequence numbers for reliable transmission of control plane messages	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	163		3.7.0	R99	Re-configure the IEs in the PDU Notification Request to make it in ascending order	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	166		3.7.0	R99	Corrections to editorwork of 29.060 v 3.7.0	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	170	2	3.7.0	R99	Clarification on the TEID value of the signalling messages	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	173	3	3.7.0	R99	Clarifications to the GTP-U protocol	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4

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NP-010073	29.060	174	1	3.7.0	R99	Essential Correction of the delete PDP context procedure	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	178		3.7.0	R99	Re-configure the IEs in the Send Routeing Information for GPRS Response message to make it in ascending order	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010071	29.060	180	1	3.7.0	R99	IMSI Encoding Clarification	approved	A	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010070	29.060	181	1	3.7.0	R99	Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	182	2	3.7.0	R99	GSN address in Error Indication	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	186	1	3.7.0	R99	Clarification of Error Indication	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	187		3.7.0	R99	Clarification on the handling of sequence numbers in the GTP user plane	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	188		3.7.0	R99	Clarifications and clean up of the error handling section	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010073	29.060	191	1	3.7.0	R99	Clarification on the use of the term G-PDU	approved	F	3.8.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-010044	29.061	015		3.4.0	R99	DHCP lease renewal	approved	F	3.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3
NP-010044	29.061	016		3.4.0	R99	Removal of IHOSS and OSP	approved	A	3.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3
NP-010057	29.078	137	2	3.6.0	R99	Clarification on APN usage in the ConnectGPRS operation	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	138	1	3.6.0	R99	Inconsistency between InitialDPGPRS procedure and generic GPRS procedure	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	139	2	3.6.0	R99	Hand-over indication for GPRS	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	140	1	3.6.0	R99	Description of Entity Released GPRS	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	141	1	3.6.0	R99	Correction to description of 'O-CSI Applicable' parameter	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	142	1	3.6.0	R99	Correction to LocationInformationGPRS	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	143	2	3.6.0	R99	No Volume charging on GPRS Session (clarifying text)	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	145	1	3.6.0	R99	Correction to MO-SMS	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	147	1	3.6.0	R99	Correction on GPRS related operation	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	148	1	3.6.0	R99	Correction to MSNetwork Capability parameter length	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010057	29.078	149		3.6.0	R99	Definition of the geographicalInformation parameter coding	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010058	29.078	150		3.6.0	Rel-4	Introduction of CAP over IP in accordance with SIGTRAN	approved	B	4.0.0	CAMEL; Stage 3	N2
NP-010057	29.078	151		3.6.0	R99	Removal of duplicate description in CWA	approved	F	3.7.0	CAMEL; Stage 3	N2
NP-010133	29.198	045		3.2.0	R99	Correction of IDL implementation of data-type TpDomainID	approved	F	3.3.0	Open Services Architecture API part 1	N5
NP-010133	29.198	046		3.2.0	R99	Correction to terminal capability parameter reference	approved	F	3.3.0	Open Services Architecture API part 1	N5
NP-010134	29.198	047		3.2.0	Rel4	Add new features and Split R99 into a multi-part TS for upgrading to Rel 4	approved	B	4.0.0	Open Services Architecture API part 1	N5
NP-010131	29.998	011		3.2.0	Rel4	Add new features and Split R99 into a multi-part TR for upgrading to Rel 4	approved	B	4.0.0	Open Services Architecture API part 2	N5

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NP-010047	43.010	001		4.0.0	REL-4	Removal of S Reference Point in MS	approved	C	4.1.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-010047	43.010	002		4.0.0	REL-4	Additional changes for the removal of BS30NT and packet access	approved	C	4.1.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-010046	43.010	003		4.0.0	REL-4	Removal of FAX NT in GSM from REL-4	approved	C	4.1.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-010047	43.010	004		4.0.0	REL-4	Removal of speech model	approved	D	4.1.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-010115	04.08	A1065		4.23.1	Ph 2	Length of User-user IE	rejected	F		Mobile radio interface layer 3 specification	N1
NP-010115	04.08	A1067		5.18.1	R96	Length of User-user IE	rejected	A		Mobile radio interface layer 3 specification	N1
NP-010115	04.08	A1069		6.13.0	R97	Length of User-user IE	rejected	A		Mobile radio interface layer 3 specification	N1
NP-010115	04.08	A1071		7.10.0	R98	Length of User-user IE	rejected	A		Mobile radio interface layer 3 specification	N1
NP-010125	04.08	A1077		6.13.0	R97	Using RAU procedure for MS RAC IE update	APPROVED	F	6.14.0	Mobile radio interface layer 3 specification	N1
NP-010125	04.08	A1079		7.10.0	R98	Using RAU procedure for MS RAC IE update	APPROVED	A	7.11.0	Mobile radio interface layer 3 specification	N1
NP-010147	04.08	A1081	3	6.13.0	R97	Roaming restrictions for GPRS service	APPROVED	F	6.14.0	Mobile radio interface layer 3 specification	N1
NP-010147	04.08	A1083	2	7.10.0	R98	Roaming restrictions for GPRS service	APPROVED	A	7.11.0	Mobile radio interface layer 3 specification	N1
NP-010148	04.08	A1085	1	6.13.0	R97	SM reaction on reception of a TI value "111"	REJECTED	F		Mobile radio interface layer 3 specification	N1
NP-010148	04.08	A1087	1	7.10.0	R98	SM reaction on reception of a TI value "111"	REJECTED	A		Mobile radio interface layer 3 specification	N1
NP-010147	04.08	A1089		6.13.0	R97	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	APPROVED	F	6.14.0	Mobile radio interface layer 3 specification	N1
NP-010147	04.08	A1090		7.10.0	R98	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	APPROVED	A	7.11.0	Mobile radio interface layer 3 specification	N1
NP-010123	23.009	018	2	3.5.0	R99	GSM to UMTS Handover: Location Reporting in 3G MSC B	APPROVED	F	3.6.0	Handover procedures	N1
NP-010161	23.009	022	2	3.5.0	Rel-4	Applicability of intra-3G_MSC SRNS Relocation	APPROVED	C	4.0.0	Handover procedures	N1
NP-010149	23.009	024		3.5.0	R99	GSM to UMTS handover: addition of MAP parameter Target RNC ID	revised	F		Handover procedures	N1
NP-010207	23.009	024		3.5.0	R99	GSM to UMTS handover: addition of MAP parameter Target RNC ID	APPROVED	F	3.6.0	Handover procedures	N1
NP-010156	23.009	025	1	3.5.0	R99	Indication of IntraMSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	rejected	F		Handover procedures	N1
NP-010207	23.009	026		3.5.0	R99	Directed Retry procedure allignment	APPROVED	F	3.6.0	Handover procedures	N1
NP-010149	23.009	026		3.5.0	R99	Directed Retry procedure allignment	revised	F		Handover procedures	N1
NP-010149	23.122	014	3	3.5.0	R99	Clarification of the PLMN selection for UMTS regarding high quality signal	revised	F		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010207	23.122	014	3	3.5.0	R99	Clarification of the PLMN selection for UMTS regarding high quality signal	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1

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NP-010168	23.122	016	1	3.5.0	R99	Roaming restrictions for GPRS service	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010205	23.122	017		3.5.0	R99	To remove the use of GSM as the default access technology in PLMN search.	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010157	23.122	017		3.5.0	R99	To remove the use of GSM as the default access technology in PLMN search.	revised	F		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010190	23.122	018		3.5.0	R99	Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010157	23.122	018		3.5.0	R99	Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)	revised	F		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010158	23.122	019	3	3.5.0	R99	Clarification to PLMN Search	revised	F		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010186	23.122	019	4	3.5.0	R99	Clarification to PLMN Search	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010158	23.122	020		3.5.0	R99	Identification for PLMN of same country as the current VPLMN	revised	F		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010186	23.122	020	1	3.5.0	R99	Identification for PLMN of same country as the current VPLMN	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010159	23.122	021	3	3.5.0	R99	Background scan of HPLMN + Priority PLMNs	revised	B		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010187	23.122	021	4	3.5.0	R99	Background scan of HPLMN + Priority PLMNs	WITHDRAWN	B		Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010180	23.122	022	1	3.5.0	R99	Equiv handling of PLMN with different PLMN codes	APPROVED	F	3.6.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-010123	24.007	025	2	3.6.0	R99	Addition of Stream Identifier and NAS Synchronization Indicator to the primitives	APPROVED	F	3.7.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010157	24.007	031	3	3.6.0	Rel-4	Adaptation of SS protocol to PS domain	revised	B		Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010206	24.007	031	3	3.6.0	Rel-4	Adaptation of SS protocol to PS domain	APPROVED	B	4.0.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010123	24.007	032		3.6.0	R99	Change MMAS-SAP to RR-SAP in fig. 5.6	APPROVED	F	3.7.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010207	24.007	034		3.6.0	R99	Transfer of the N(SD) duplication avoidance protocol from GSM 04.18	APPROVED	F	3.7.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010149	24.007	034		3.6.0	R99	Transfer of the N(SD) duplication avoidance protocol from GSM 04.18	revised	F		Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010205	24.007	035		3.6.0	R99	Deletion of cause ‘unsynchronousPDP’ in RABMAS-SAP	APPROVED	F	3.7.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010157	24.007	035		3.6.0	R99	Deletion of cause ‘unsynchronousPDP’ in RABMAS-SAP	revised	F		Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-010123	24.008	265	2	3.6.0	R99	Addition of type 4 IEs for P-TMSI Signature and GPRS Timer	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	266	2	4.1.1	Rel-4	Addition of type 4 IEs for P-TMSI Signature and GPRS Timer	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1

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NP-010127	24.008	280	4	3.6.0	R99	Optional support of UMTS AKA by a GSM only R99 ME	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010127	24.008	281	4	4.1.1	Rel-4	Optional support of UMTS AKA by a GSM only R99 ME	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010116	24.008	324	1	4.1.1	Rel-4	Add new cause value on 'ODB for the Packet Oriented Services'	APPROVED	B	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	327	1	3.6.0	R99	Correction to MM timer handling	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	328	1	4.1.1	Rel-4	Correction to MM timer handling	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010115	24.008	332		3.6.0	R99	Length of User-user IE	rejected	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010115	24.008	333		4.1.1	Rel-4	Length of User-user IE	rejected	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010151	24.008	334	1	4.1.1	Rel-4	Add UMTS 1.28 Mcps TDD capability support to MS CM3	APPROVED	B	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	335		3.6.0	R99	Clarification of the establishment confirm for the signalling connection	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	336		4.1.1	Rel-4	Clarification of the establishment confirm for the signalling connection	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	337	1	3.6.0	R99	Clarification of the location update abnormal cases b) and c) on the MS side	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	338		4.1.1	Rel-4	Clarification of the location update abnormal cases b) and c) on the MS side	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	343	4	3.6.0	R99	unsynchronised PDP contexts - MS less (2)	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010157	24.008	343	4	3.6.0	R99	unsynchronised PDP contexts - MS less (2)	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	344	4	4.1.1	Rel-4	unsynchronised PDP contexts - MS less (2)	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010157	24.008	344	4	4.1.1	Rel-4	unsynchronised PDP contexts - MS less (2)	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1

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NP-010128	24.008	345	1	4.1.1	Rel-4	Update of MS classmark 2 and MS Network Capability to support LCS	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	347		3.6.0	R99	Correction of GPRS ciphering key sequence number IEI	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	348		4.1.1	Rel-4	Correction of GPRS ciphering key sequence number IEI	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	349	1	3.6.0	R99	Collisions cases of core network initiated paging and MS initiated GMM specific procedures	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010123	24.008	350	1	4.1.1	Rel-4	Collisions cases of core network initiated paging and MS initiated GMM specific procedures	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010157	24.008	351	3	3.6.0	R99	Correction related to Cause of no CLI	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	351	3	3.6.0	R99	Correction related to Cause of no CLI	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010125	24.008	357		3.6.0	R99	Using RAU procedure for MS RAC IE update	APPROVED	A	3.7.9	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010125	24.008	358		4.1.1	REL-4	Using RAU procedure for MS RAC IE update	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010129	24.008	359	1	3.6.0	R99	Connection re-establishment on forward handover without Iur	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010129	24.008	360	1	4.1.1	Rel-4	Connection re-establishment on forward handover without Iur	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010147	24.008	362	2	3.6.0	R99	Roaming restrictions for GPRS service	APPROVED	A	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010147	24.008	363	2	4.1.1	Rel-4	Roaming restrictions for GPRS service	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	365	2	4.1.1	Rel-4	Correction related to Cause of no CLI	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010157	24.008	365	2	4.1.1	Rel-4	Correction related to Cause of no CLI	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010129	24.008	366	1	3.6.0	R99	Clarification of TFT request during secondary PDP context activation.	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1

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NP-010129	24.008	367	1	4.1.1	Rel-4	Clarification of TFT request during secondary PDP context activation.	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010146	24.008	368	1	3.6.0	R99	Correction of DTM Multislot Capabilities in MS Classmark 3 and MS Radio Classmark	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010147	24.008	369		3.6.0	R99	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	APPROVED	A	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	370		3.6.0	R99	Mapping of upper layer event to establishment cause	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	370		3.6.0	R99	Mapping of upper layer event to establishment cause	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	371	1	3.6.0	R99	Resume at Intersystem change from GSM to UMTS	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	371	1	3.6.0	R99	Resume at Intersystem change from GSM to UMTS	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	372	1	3.6.0	R99	Collision case of CN initiated paging and MS initiated MM specific procedures	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	372	1	3.6.0	R99	Collision case of CN initiated paging and MS initiated MM specific procedures	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	373	1	3.6.0	R99	MS behaviour for “RB Release followed by RB setup”	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	373	1	3.6.0	R99	MS behaviour for “RB Release followed by RB setup”	revised	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010152	24.008	374		3.6.0	R99	Update of MS classmark 2 to support LCS	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010153	24.008	375		3.6.0	R99	Correction of Revision Level in MS Classmark and MS Network Capability	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010155	24.008	376	1	3.6.0	R99	Re-transmission of AUTHENTICATION REQUEST and AUTHENTICATION & CIPHERING REQUEST messages	APPROVED	F	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010146	24.008	377		4.1.1	Rel-4	Correction of DTM Multislot Capabilities in MS Classmark 3 and MS Radio Classmark	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010147	24.008	378		4.1.1	Rel-4	Alignment of MS identity IE length in ATTACH ACCEPT and RAU ACCEPT Messages	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1

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NP-010149	24.008	379	1	4.1.1	Rel-4	Mapping of upper layer event to establishment cause	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	379	1	4.1.1	Rel-4	Mapping of upper layer event to establishment cause	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	380	1	4.1.1	Rel-4	Resume at Intersystem change from GSM to UMTS	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	380	1	4.1.1	Rel-4	Resume at Intersystem change from GSM to UMTS	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010207	24.008	381	1	4.1.1	Rel-4	Collision case of CN initiated paging and MS initiated MM specific procedures	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010149	24.008	381	1	4.1.1	Rel-4	Collision case of CN initiated paging and MS initiated MM specific procedures	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010151	24.008	382		4.1.1	Rel-4	Addition of 1.28 Mcps UTRA TDD capability support to MS Radio Access Capability	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010154	24.008	383		4.1.1	Rel-4	Add cause value #8(ODB) to the PDP context deactivation initiated by the network	APPROVED	B	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010155	24.008	384	1	4.1.1	Rel-4	Re-transmission of AUTHENTICATION REQUEST and AUTHENTICATION & CIPHERING REQUEST messages	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010205	24.008	385	1	4.1.1	Rel-4	MS behaviour for “RB Release followed by RB setup”	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010157	24.008	385	1	4.1.1	Rel-4	MS behaviour for “RB Release followed by RB setup”	revised	A		Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010160	24.008	386		4.1.1	Rel-4	Presence of PDP address IE in Activate PDP Context Accept	APPROVED	F	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010160	24.008	387		4.1.1	Rel-4	Correction of Revision Level in MS Classmark and MS Network Capability	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010160	24.008	388		4.1.1	Rel-4	Unsync_MSmore_Rel4	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010160	24.008	389	1	4.1.1	Rel-4	Correction of incorrect references	APPROVED	A	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010209	24.008	390	1	3.6.0	R99	Equiv handling of PLMN with different PLMN codes	APPROVED	A	3.7.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1

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NP-010210	24.008	391	1	4.1.1	Rel-4	Equiv handling of PLMN with different PLMN codes	APPROVED		4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010208	24.008	392		4.1.1	Rel-4	Removal of CODEC type octet in supported CODECS list	APPROVED	F	4.2.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1
NP-010124	24.011	012		3.5.0	REL-4	Multiple SMS for PS in Iu mode	APPROVED	B	4.0.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-010206	24.011	022		3.5.0	R99	Missing SMR state	APPROVED	F	3.6.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-010157	24.011	022		3.5.0	R99	Missing SMR state	revised	F		Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-010150	29.016	005	1	3.1.0	Rel-4	BSSAP+ over IP	APPROVED	C	4.0.0	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1
NP-010126	29.018	12	1	3.5.0	R99	Correction of Length Indicator	APPROVED	F	3.6.0	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1
RP-010085	25.101	86		3.5.0	R99	CR to 25.101 for Test Tolerances	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	87		3.5.0	R99	Proposed CR to TS 25.101 on subclause 3.2 Abbreviations	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	88		3.5.0	R99	Correction of version number of the ITU-R Recommendation SM.329	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	89		3.5.0	R99	REL 99 Corrections	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	90		3.5.0	R99	Tx power during measurement on Rx characteristics	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	91		3.5.0	R99	Removal of square brackets and TBDs from TS 25.101	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	92		3.5.0	R99	Correction of Definition of multi-code OCNS signal	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	93		3.5.0	R99	Performance requirement for 250km/h	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010085	25.101	94		3.5.0	R99	TS25.101 Rel 99 Clarification of UARFCN (channel number)	approved	F	3.6.0	UE Radio transmission and reception (FDD)	R4
RP-010096	25.101	95		3.5.0	REL-4	REL 4 Document restructure and changes	postponed	B		UE Radio transmission and reception (FDD)	R4
RP-010100	25.101	96		3.5.0	REL-4	Performance requirements BCH	approved	F	4.0.0	UE Radio transmission and reception (FDD)	R4
RP-010100	25.101	97		3.5.0	REL-4	Performance requirements for paging channel	approved	F	4.0.0	UE Radio transmission and reception (FDD)	R4
RP-010100	25.101	98		3.5.0	REL-4	Performance requirements for Acquisition Indicator channel	approved	F	4.0.0	UE Radio transmission and reception (FDD)	R4

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RP-010086	25.102	41		3.5.0	R99	Relationship between Minimum Requirements and Test Tolerances.	approved	F	3.6.0	UE Radio transmission and reception (TDD)	R4
RP-010086	25.102	42		3.5.0	R99	Requirements for out-of-synchronisation handling of output power during DTX	approved	F	3.6.0	UE Radio transmission and reception (TDD)	R4
RP-010086	25.102	43		3.5.0	R99	UE Power Control Accuracy	approved	F	3.6.0	UE Radio transmission and reception (TDD)	R4
RP-010086	25.102	44		3.5.0	R99	Correction of version number of the ITU-R Recommendation SM.329	approved	F	3.6.0	UE Radio transmission and reception (TDD)	R4
RP-010097	25.102	45		3.5.0	REL-4	UTRA (UE) TDD; Radio transmission and Reception	approved	B	4.0.0	UE Radio transmission and reception (TDD)	R4
RP-010100	25.102	46		3.5.0	REL-4	Service Mapping for 2 Mbps	approved	B	4.0.0	UE Radio transmission and reception (TDD)	R4
RP-010100	25.102	47		3.5.0	REL-4	UE Performance Requirements for 2 Mbps	approved	B	4.0.0	UE Radio transmission and reception (TDD)	R4
RP-010087	25.104	55		3.5.0	R99	CR to 25.104 for Test Tolerances	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	56		3.5.0	R99	Correction of reference to SM.329-8 in TS 25.104	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	57		3.5.0	R99	Receiver Blocking requirement for co-existence with GSM/DCS and co-located base stations - revised.	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	58		3.5.0	R99	UL Performance requirement in fast fading	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	59		3.5.0	R99	Performance requirement for 250km/h	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	60		3.5.0	R99	Definition of EVM / PCDE measurement period	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010087	25.104	61		3.5.0	R99	Inclusion of environmental requirements	approved	F	3.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010096	25.104	62		3.5.0	REL-4	TS25.104 REL 4 - Document structure	postponed	B		UTRA (BS) FDD; Radio transmission and reception	R4
RP-010100	25.104	63		3.5.0	REL-4	RACH performance requirements	approved	B	4.0.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010088	25.105	48		3.5.0	R99	Receiver Blocking requirement for co-existence with GSM/DCS and co-located base stations.	approved	F	3.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010088	25.105	49		3.5.0	R99	Relationship between Minimum Requirements and Test Tolerances.	approved	F	3.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010088	25.105	50		3.5.0	R99	Correction of reference to SM.329-8 in TS25.105	approved	F	3.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010088	25.105	51		3.5.0	R99	BS EVM definition	approved	F	3.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010097	25.105	52		3.5.0	REL-4	UTRA (BS) TDD; Radio transmission and Reception	approved	B	4.0.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010097	25.113	10		3.4.0	REL-4	Base station electromagnetic compatibility (EMC) for 1.28Mcps TDD	approved	B	4.0.0	Base station EMC	R4
RP-010098	25.113	11		3.4.0	REL-4	Text proposal for EMC for Repeater	approved	B	4.0.0	Base station EMC	R4
RP-010089	25.113	8		3.4.0	R99	Correction to the description of the radiated spurious emission test method	approved	F	3.5.0	Base station EMC	R4
RP-010089	25.113	9		3.4.0	R99	Alignment of TS25.113 with CISPR 22 standard	approved	F	3.5.0	Base station EMC	R4

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RP-010090	25.123	35		3.4.0	R99	Deletion of cell-selection requirements	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010101	25.123	36		3.4.0	REL-4	NodeB Synchronisation Measurements performance requirements	approved	B	4.0.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	37		3.4.0	R99	Corrections in idle mode and corresponding test cases.	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	38		3.4.0	R99	Section 8 changes	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	39		3.4.0	R99	Section 9 Changes	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	40		3.4.0	R99	Correction of the cell-reselection and handover requirements in connected mode.	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	41		3.4.0	R99	Change and completion of the cell-reselection requirements in CELL-FACH state.	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	42		3.4.0	R99	Change of the cell-reselection requirements.	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010090	25.123	43		3.4.0	R99	Extension of reporting range for UTRAN UL measurements	approved	F	3.5.0	Requirements for support of radio resource management (TDD)	R4
RP-010097	25.123	44		3.4.0	REL-4	Requirements for Support of Radio Resources Management (TDD) for 1.28Mcps TDD	approved	B	4.0.0	Requirements for support of radio resource management (TDD)	R4
RP-010099	25.123	45		3.4.0	REL-4	UE/UTRAN GPS Timing of Cell Frames for UP	approved	F	4.0.0	Requirements for support of radio resource management (TDD)	R4
RP-010091	25.133	66		3.4.0	R99	General idle mode requirements	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	67		3.4.0	R99	Removal of Signalling Delay Requirements	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	68		3.4.0	R99	FDD/GSM handover	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	69		3.4.0	R99	Revised Correction of hard handover delay requirements	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	70		3.4.0	R99	Cell-Reselection, Measurements of inter-frequency TDD cells	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	71		3.4.0	R99	Correction of number of events that should be handled by the UE	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	72		3.4.0	R99	Revised limitations to the usage of compressed mode patterns	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	73		3.4.0	R99	Measurements on FDD and TDD in Cell-FACH state	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	74		3.4.0	R99	Measurements on GSM in Cell-FACH state	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	75		3.4.0	R99	Cell re-selection in Cell-FACH state	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	76		3.4.0	R99	General Measurement Requirements in CELL_DCH State	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	77		3.4.0	R99	GSM Measurements	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	78		3.4.0	R99	Cell reselection performance	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4

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RP-010091	25.133	79		3.4.0	R99	CPICH Ec/Io mapping	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	80		3.4.0	R99	UTRAN transport channel BLER measurement	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	81		3.4.0	R99	UTRAN physical channel BER measurement	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	82		3.4.0	R99	Test case for FDD/TDD cell re-selection .	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	83		3.4.0	R99	Requirements for event triggered reporting in fading conditions	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	84		3.4.0	R99	Modification of soft handover requirements	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	85		3.4.0	R99	Clarifications of TDD measurements and the use of compressed mode pattern for TDD measurements.	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	86		3.4.0	R99	UE transmit TIming	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010091	25.133	87		3.4.0	R99	Correction of the FDD/TDD handover requirement in connected mode.	approved	F	3.5.0	Requirements for support of radio resource management (FDD)	R4
RP-010099	25.133	88		3.4.0	REL-4	UE/UTRAN GPS Timing of Cell Frames for LCS	approved	F	4.0.0	Requirements for support of radio resource management (FDD)	R4
RP-010250	25.141	083		3.4.1	R99	Regional requirements on Test Tolerance	revised	F		Base station conformance testing (FDD)	R4
RP-010268	25.141	083		3.4.1	R99	Regional requirements on Test Tolerance	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	66		3.4.1	R99	Correction of blocking test. Alignment with CR to 25.104.	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	67		3.4.1	R99	UL Performance requirement in fast fading	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	68		3.4.1	R99	Test description for Case 4(250km/h)	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	69		3.4.1	R99	Proposed CR to 25.141 on Spectrum Emissions Mask	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	70		3.4.1	R99	Correction to PICH frame structure	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	71		3.4.1	R99	Addition of S-CCPCH containing PCH into test models	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	72		3.4.1	R99	UTRAN Received total wideband power	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	73		3.4.1	R99	Correction of reference to SM.329-8 in TS 25.141	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	74		3.4.1	R99	Corrections to Blocking and Rx Spurious emissions tests in TS 25.141	withdrawn	F		Base station conformance testing (FDD)	R4
RP-010092	25.141	75		3.4.1	R99	Rx spurious emissions measurement bandwidth in 25.141	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	76		3.4.1	R99	Conditions for BS conformance testing (FDD)	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	77		3.4.1	R99	CR to 25.141 for Test Tolerances	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	78		3.4.1	R99	CR to 25.141 for Test Tolerances in TX tests	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	79		3.4.1	R99	Definition of EVM	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	80		3.4.1	R99	Addition of CPICH to Test Model 4 for EVM measurement	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	81		3.4.1	R99	Re-introduction of the SCH period into the EVM / PCDE measurements	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010092	25.141	82		3.4.1	R99	Implementation of Test Tolerances (Receiver part)	approved	F	3.5.0	Base station conformance testing (FDD)	R4
RP-010093	25.142	47		3.4.0	R99	Correction of blocking test. Alignment with CR to 25.105.	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	48		3.4.0	R99	Handling of Test Tolerances - Clause 8 "Performance requirements"	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	49		3.4.0	R99	Correction of the version number of Recommendation ITU-R SM.329 used as a reference for spurious emissions specifications	approved	F	3.5.0	Base station conformance testing (TDD)	R4

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RP-010093	25.142	50		3.4.0	R99	BS EVM definition	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	51		3.4.0	R99	Handling of Test Tolerances - Clause 5 "General test conditions and declarations"	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	52		3.4.0	R99	Handling of Test Tolerances - Clause 6 "Transmitter characteristics"	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	53		3.4.0	R99	Handling of Test Tolerances - Clause 7 "Receiver characteristics"	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	54		3.4.0	R99	Handling of Test Tolerances - Annexes	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010093	25.142	55		3.4.0	R99	Conditions for BS conformance testing (TDD)	approved	F	3.5.0	Base station conformance testing (TDD)	R4
RP-010097	25.142	56		3.4.0	REL-4	BS Conformance test for 1.28Mcps TDD	approved	B	4.0.0	Base station conformance testing (TDD)	R4
RP-010071	25.201	006	1	3.1.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.201	approved	B	4.0.0	Physical layer -General Description	R1
RP-010058	25.211	091	-	3.5.0	R99	DSCH reading indication	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010058	25.211	092	1	3.5.0	R99	Clarification of the S-CCPCH frame carring paging information	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010075	25.211	093	1	3.5.0	Rel-4	Application of beamforming and combination of beamforming with TX-diversity on UTRA FDD downlink	revised	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010058	25.211	095	1	3.5.0	R99	Phase Reference for Secondary CCPCH carrying FACH	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010259	25.211	095	2	3.5.0	R99	Phase Reference for Secondary CCPCH carrying FACH	withdrawn	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010269	25.211	095	3	3.5.0	R99	Phase Reference for Secondary CCPCH carrying FACH	withdrawn	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010255	25.211	095	3	3.5.0	R99	Phase Reference for Secondary CCPCH carrying FACH	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010058	25.211	096	-	3.5.0	R99	Uplink power control preamble	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010059	25.213	038	-	3.4.0	R99	Clarification of channelization codes when SF=512	approved	F	3.5.0	Spreading and modulation (FDD)	R1
RP-010059	25.213	039	1	3.4.0	R99	Clarification of the scrambling code of a power control preamble	approved	F	3.5.0	Spreading and modulation (FDD)	R1
RP-010060	25.214	142	1	3.5.0	R99	Uplink power control in compressed mode	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	144	-	3.5.0	R99	Removal of the power balancing algorithm from TS 25.214	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	145	-	3.5.0	R99	Clarification of Nid parameter – when SSDT and uplink compressed mode are in operation	revised	F		Physical layer procedures (FDD)	R1
RP-010218	25.214	145	1	3.5.0	R99	Clarification of Nid parameter – when SSDT and uplink compressed mode are in operation	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010254	25.214	145	1	3.5.0	R99	Clarification of Nid parameter – when SSDT and uplink compressed mode are in operation	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	146	-	3.5.0	R99	Clarification of closed loop transmit diversity mode 1 and mode 2 operation during compressed mode	approved	F	3.6.0	Physical layer procedures (FDD)	R1

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RP-010060	25.214	148	1	3.5.0	R99	Clarification of UE SIR estimation	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010074	25.214	149	1	3.5.0	Rel-4	DSCH Power Control Improvement in soft handover	approved	B	4.0.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	150	1	3.5.0	R99	Clarification of the order of SSDT signalling in 2 bit FBI	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	154	1	3.5.0	R99	Uplink power control preamble	revised	F		Physical layer procedures (FDD)	R1
RP-010224	25.214	154	2	3.5.0	R99	Uplink power control preamble	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	155	-	3.5.0	R99	Correction of limited power raise	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	156	-	3.5.0	R99	Clarification of initialisation procedure	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	158	-	3.5.0	R99	Definition of power control step size for algorithm 2	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	161	1	3.5.0	R99	Correction of the UE behaviour in SSDT mode	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010060	25.214	163	-	3.5.0	R99	Correction on downlink synchronisation primitives	approved	F	3.6.0	Physical layer procedures (FDD)	R1
RP-010061	25.215	079	2	3.5.0	R99	Correction of the observed time difference to GSM measurement	approved	F	3.6.0	Physical layer; Measurements (FDD)	R1
RP-010061	25.215	081	-	3.5.0	R99	Removal of UE SIR measurement	approved	F	3.6.0	Physical layer; Measurements (FDD)	R1
RP-010061	25.215	082	1	3.5.0	R99	Correction of GSM reference	approved	F	3.6.0	Physical layer; Measurements (FDD)	R1
RP-010061	25.215	083	-	3.5.0	R99	Correction of GPS Timing measurement	approved	F	3.6.0	Physical layer; Measurements (FDD)	R1
RP-010072	25.215	085	-	3.5.0	Rel-4	RTD measurement in UTRAN for FDD	approved	B	4.0.0	Physical layer; Measurements (FDD)	R1
RP-010061	25.215	086	-	3.5.0	R99	Correction on transport channel BLER	approved	F	3.6.0	Physical layer; Measurements (FDD)	R1
RP-010062	25.221	033	2	3.5.0	R99	Correction to SCH section	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	037	1	3.5.0	R99	Bit Scrambling for TDD	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	039	1	3.5.0	R99	Corrections of PUSCH and PDSCH	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	040	-	3.5.0	R99	Alteration of SCH offsets to avoid overlapping Midamble	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	041	-	3.5.0	R99	Clarifications & Corrections for TS25.221	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010073	25.221	042	2	3.5.0	Rel-4	Introduction of the Physical Node B Synchronization Channel	approved	B	4.0.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010071	25.221	043	1	3.5.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.221	approved	B	4.0.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010072	25.221	044	-	3.5.0	Rel-4	Correction of beacon characteristics due to IPDLs	approved	C	4.0.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	045	1	3.5.0	R99	Corrections on the PRACH and clarifications on the midamble generation and the behaviour in case of an invalid TFI combination on the DCHs	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010062	25.221	046	-	3.5.0	R99	Clarification of TFCI transmission	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1

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RP-010062	25.221	048	-	3.5.0	R99	Corrections to Table 5.b “Timeslot formats for the Uplink”	approved	F	3.6.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010063	25.222	051	1	3.5.0	R99	Bit Scrambling for TDD	approved	F	3.6.0	Multiplexing and channel coding (TDD)	R1
RP-010063	25.222	054	1	3.5.0	R99	Corrections & Clarifications for TS25.222	approved	F	3.6.0	Multiplexing and channel coding (TDD)	R1
RP-010071	25.222	055	1	3.5.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.222	approved	B	4.0.0	Multiplexing and channel coding (TDD)	R1
RP-010064	25.223	015	1	3.4.0	R99	Code specific phase offsets for TDD	approved	F	3.5.0	Spreading and modulation (TDD)	R1
RP-010073	25.223	016	-	3.4.0	Rel-4	Cell synchronisation codes for R'4 Node B sync over air interface in UTRA TDD	approved	B	4.0.0	Spreading and modulation (TDD)	R1
RP-010071	25.223	017	1	3.4.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.223	approved	B	4.0.0	Spreading and modulation (TDD)	R1
RP-010065	25.224	036	-	3.5.0	R99	DTX and Special Burst Scheduling	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010065	25.224	037	1	3.5.0	R99	RACH random access procedure	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010073	25.224	044	2	3.5.0	Rel-4	Layer 1 procedure for Node B synchronisation	approved	B	4.0.0	Pphysical layer procedures (TDD)	R1
RP-010065	25.224	045	-	3.5.0	R99	Introduction of closed-loop Tx diversity for the PDSCH and DTX for the PUSCH/PDSCH	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010065	25.224	046	2	3.5.0	R99	Corrections of TDD power control sections	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010071	25.224	047	1	3.5.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.224	approved	B	4.0.0	Pphysical layer procedures (TDD)	R1
RP-010072	25.224	048	1	3.5.0	Rel-4	Idle periods for IPDL location method	approved	B	4.0.0	Pphysical layer procedures (TDD)	R1
RP-010065	25.224	050	-	3.5.0	R99	Use of a special burst in reconfiguration	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010065	25.224	053	-	3.5.0	R99	Known TFCI for the TDD special burst	approved	F	3.6.0	Pphysical layer procedures (TDD)	R1
RP-010073	25.225	022	-	3.5.0	Rel-4	Measurements for Node B synchronisation	approved	B	4.0.0	Physical layer; Measurements (TDD)	R1
RP-010066	25.225	023	-	3.5.0	R99	Correction of the observed time difference to GSM measurement	approved	F	3.6.0	Physical layer; Measurements (TDD)	R1
RP-010071	25.225	024	1	3.5.0	Rel-4	Inclusion of 1.28Mcps TDD in TS 25.225	approved	B	4.0.0	Physical layer; Measurements (TDD)	R1
RP-010072	25.225	025	-	3.5.0	Rel-4	RTD measurement in UTRAN for UP-TDD	approved	B	4.0.0	Physical layer; Measurements (TDD)	R1
RP-010037	25.301	042		3.6.0	Rel-4	1.28Mcps TDD	approved	B	4.0.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	043	1	3.6.0	R99	Correction for RACH/CPCH	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	044	2	3.6.0	R99	Correction to Signalling Radio Bearer	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	045	1	3.6.0	R99	Editorial update for Release'99	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	046		3.6.0	R99	Removal of FAUSCH	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	047	1	3.6.0	R99	Removal of ODMA channels	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	048	1	3.6.0	R99	UE Model Channel numbering	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	049		3.6.0	R99	Renaming of Dynamic Transport Channel Type Switching	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010019	25.301	050		3.6.0	R99	Removal of payload unit concept	approved	F	3.7.0	Radio Interface Protocol Architecture	R2
RP-010020	25.302	084	2	3.7.0	R99	Additional physical channel combination for FDD downlink to allow COUNT-C-SFN difference measurement	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010020	25.302	087		3.7.0	R99	In & Out of Sync Indications per CCTrCH in TDD	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010020	25.302	088		3.7.0	R99	Correction & Clarification to TDD RACH Model and Primitives	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010020	25.302	089	1	3.7.0	R99	Alignment of measurements provided by the physical layer	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010037	25.302	090	2	3.7.0	Rel-4	1.28Mcps TDD	approved	B	4.0.0	Services provided by the physical layer	R2
RP-010020	25.302	092	1	3.7.0	R99	Physical channel combinations in TDD	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010041	25.302	093	1	3.7.0	Rel-4	Measurements for Node B synchronisation	approved	B	4.0.0	Services provided by the physical layer	R2
RP-010020	25.302	094		3.7.0	R99	Measurement model clarifications	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010020	25.302	095		3.7.0	R99	Removal of DPCCH Gating from Release 99	approved	F	3.8.0	Services provided by the physical layer	R2
RP-010020	25.302	096	1	3.7.0	R99	Clarification of simultaneous operation of DRAC and CTCH	approved	F	3.8.0	Services provided by the physical layer	R2

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RP-010021	25.303	041	1	3.6.0	R99	Text corrections	approved	F	3.7.0	UE functions and inter-layer procedures in connected mode	R2
RP-010021	25.303	042		3.6.0	R99	SRNS relocation	approved	F	3.7.0	UE functions and inter-layer procedures in connected mode	R2
RP-010037	25.303	043		3.6.0	Rel-4	1.28Mcps TDD	approved	B	4.0.0	UE functions and inter-layer procedures in connected mode	R2
RP-010021	25.303	044		3.6.0	R99	Clean-up	approved	F	3.7.0	UE functions and inter-layer procedures in connected mode	R2
RP-010022	25.304	055	1	3.5.0	R99	Usage of HCS Parameters in Cell Reselection	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	056		3.5.0	R99	Clarification of usage of "Initial UE-Id" for SCCPCH selection	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010037	25.304	057	1	3.5.0	Rel-4	Support of 1.28Mcps TDD	approved	B	4.0.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	058		3.5.0	R99	Clarification of paging occasion	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	059	1	3.5.0	R99	Correction in Any Cell Selection State	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	061		3.5.0	R99	Correction to the definition of a suitable cell	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	062		3.5.0	R99	Correction to discontinuous reception in TDD	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	063	1	3.5.0	R99	Correction of PI calculation for Paging DRX	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	064	2	3.5.0	R99	Equivalent PLMN codes	revised	F		UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	064	3	3.5.0	R99	Equivalent PLMN codes	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	065		3.5.0	R99	High quality cell in PLMN selection	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010022	25.304	066		3.5.0	R99	Clean-up	approved	F	3.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010023	25.305	040		3.4.0	R99	Correction to Assistance Data Delivery procedure	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010023	25.305	041	1	3.4.0	R99	Clarification of assisted GPS related parameters	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2

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RP-010023	25.305	042		3.4.0	R99	Clarification of paging initiation	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010044	25.305	044	4	3.4.0	Rel-5	Support of Stand-Alone A-GPS SMLC over an open interface	approved	B	5.0.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010023	25.305	045	1	3.4.0	R99	Editorial Corrections	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010023	25.305	046	1	3.4.0	R99	Clarification of Timing Assistance	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010023	25.305	047		3.4.0	R99	Clarification of Integrity Monitor Function	approved	F	3.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010040	25.305	048	1	3.4.0	Rel-4	Introduction of IPDLs for TDD	approved	C	4.0.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010024	25.306	001		3.0.0	R99	Downlink rate matching limitation	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-010038	25.306	003	1	3.0.0	Rel-4	1.28Mcps TDD	approved	B	4.0.0	UE Radio Access capabilities definition	R2
RP-010024	25.306	005		3.0.0	R99	Miscellaneous corrections and editorial clean-up	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-010043	25.306	006	1	3.0.0	Rel-4	DSCH related updates for UE capabilities for the UE Radio Access Capability parameter combinations	approved	C	4.0.0	UE Radio Access capabilities definition	R2
RP-010024	25.306	007		3.0.0	R99	Maximum number of AM entity	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-010024	25.306	008	1	3.0.0	R99	Clarification of maximum number of TF	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-010024	25.306	010	1	3.0.0	R99	Removal of the RLC PU concept	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-010039	25.306	011	1	3.0.0	Rel-4	Addition of ROHC	approved	B	4.0.0	UE Radio Access capabilities definition	R2
RP-010025	25.321	061		3.6.0	R99	Removal of FAUSCH	approved	F	3.7.0	Medium Access Control (MAC) Protocol Specification	R2
RP-010037	25.321	064		3.6.0	Rel-4	1.28Mcps TDD	approved	B	4.0.0	Medium Access Control (MAC) Protocol Specification	R2
RP-010025	25.321	066	3	3.6.0	R99	TFC selection algorithm correction	postponed	F		Medium Access Control (MAC) Protocol Specification	R2
RP-010025	25.321	067	3	3.6.0	R99	Miscellaneous corrections	approved	F	3.7.0	Medium Access Control (MAC) Protocol Specification	R2
RP-010025	25.321	068	2	3.6.0	R99	Clarification on Traffic Volume Measurement Procedure	approved	F	3.7.0	Medium Access Control (MAC) Protocol Specification	R2
RP-010025	25.321	070	1	3.6.0	R99	Clarification on parameters of the primitives	approved	F	3.7.0	Medium Access Control (MAC) Protocol Specification	R2
RP-010026	25.322	097	1	3.5.0	R99	Clarification on LIST SUFI and RLIST SUFI	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	098	1	3.5.0	R99	Corrections and clarifications for SDU discard without explicit signalling	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	099	1	3.5.0	R99	Tr mode operation	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	100	1	3.5.0	R99	Timer based discard with explicit signalling	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	101		3.5.0	R99	Annex updates	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	103		3.5.0	R99	Clarification on MRW SUFI and SDU discard procedure	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	104	1	3.5.0	R99	General clarification on SN arithmetic comparison	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2

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RP-010026	25.322	105	2	3.5.0	R99	General clarification on RLC header and PDU header	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	106	1	3.5.0	R99	Clarification on the primitives between RLC and higher layers	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	107	1	3.5.0	R99	Clarification on the model of AM entity	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	109	2	3.5.0	R99	Clarification on UMD transfer procedure	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	110	1	3.5.0	R99	RLC status transmission in CELL_PCH and URA_PCH	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	111		3.5.0	R99	Re-establishment description	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	112	1	3.5.0	R99	Clarifications on the RESET and RESET ACK PDU sizes	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	113	1	3.5.0	R99	Editorial corrections and clarifications	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	114	1	3.5.0	R99	Clarifications on the RLC-AM-DATA-Conf primitive	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	116		3.5.0	R99	Removal of the payload unit concept	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010026	25.322	118	2	3.5.0	R99	Padding Blocks and TFC Selection pre-empting	approved	F	3.6.0	Radio Link Control (RLC) Protocol Specification	R2
RP-010039	25.323	017	2	3.3.0	Rel-4	Robust Header Compression	approved	B	4.0.0	Packet Data Convergence Protocol (PDCP) protocol	R2
RP-010027	25.323	018	1	3.3.0	R99	Editorial Corrections	approved	F	3.4.0	Packet Data Convergence Protocol (PDCP) protocol	R2
RP-010027	25.323	019	1	3.3.0	R99	Updates necessary for Rel-4 specification	approved	F	3.4.0	Packet Data Convergence Protocol (PDCP) protocol	R2
RP-010028	25.324	007		3.3.0	R99	Corrections	approved	F	3.4.0	Broadcast/Multicast Control (BMC)	R2
RP-010029	25.331	642	2	3.5.0	R99	RL Failure in cell update procedure	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	645	1	3.5.0	R99	Clarification on COUNTER CHECK	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	646	2	3.5.0	R99	Traffic Volume Measurement corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	650	2	3.5.0	R99	Reserved TFCI for the TDD Special Burst	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	653		3.5.0	R99	Correction to description of RRC state transitions	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	657		3.5.0	R99	RLC re-establish correction	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	658	1	3.5.0	R99	Removal of RLC logical channel mapping indicator	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	659		3.5.0	R99	New paging and establishment cause “Unknown”	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	660	1	3.5.0	R99	Miscellaneous procedure corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-010029	25.331	661		3.5.0	R99	Corrections to compressed mode pattern sequence handling	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	662		3.5.0	R99	Inter-system change clarifications	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	663	1	3.5.0	R99	RLC status transmission in CELL_PCH and URA_PCH	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	665	1	3.5.0	R99	Clarification of RB information parameter values for SRB0	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	666		3.5.0	R99	Encoding for RRC- container	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	667	2	3.5.0	R99	Update of message extension and encoding descriptions	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010032	25.331	668	4	3.5.0	R99	Introduction of default pre-defined configurations	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	669	2	3.5.0	R99	Security corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	670		3.5.0	R99	Clarifications on Blind Handover Support	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	671	1	3.5.0	R99	Missing descriptions of UE actions	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	672	2	3.5.0	R99	Corrections on UE Positioning information	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010029	25.331	674	1	3.5.0	R99	Security related corrections to SRNS	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010032	25.331	675	2	3.5.0	R99	Downlink power offsets	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010274	25.331	676	2	3.5.0	R99	Checking the integrity of UE security capabilities	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	678	1	3.5.0	R99	Clarification to Secondary CCPCH info	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	679	1	3.5.0	R99	Miscellaneous corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	680		3.5.0	R99	Removal of Layer 3 filtering for RACH	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	681	2	3.5.0	R99	Correction of compressed mode parameters	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	682		3.5.0	R99	Removal of immediate cell evaluation	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010042	25.331	683	1	3.5.0	Rel-4	Modification of "SSDT Information" IE parameters to indicate if SSDT is used in the UL only	approved	C	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	684	2	3.5.0	R99	Scheduling of SIB 15.2 and SIB 15.3	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	685	1	3.5.0	R99	Correction to ECN modules	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	686	1	3.5.0	R99	Improvement of the description of timing advance for TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	687		3.5.0	R99	Correction on timing advance and allocation for shared channels	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-010030	25.331	688	1	3.5.0	R99	Clarification on SF 1 signalling	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	689	1	3.5.0	R99	Correction to power control in TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	690		3.5.0	R99	Midamble - Channelisation code association for TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	691		3.5.0	R99	Network requested reporting for physical shared channel allocation	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010041	25.331	692	1	3.5.0	Rel-4	Idle allocation for Node B synchronisation	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	693		3.5.0	R99	System Information	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	694	1	3.5.0	R99	Clarification on Transport Channel Identity	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	696	1	3.5.0	R99	Editorial Correction	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	698	2	3.5.0	R99	Correction to add coding of intra domain NAS node selector	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	700	1	3.5.0	R99	Corrections to system information block characteristics in TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	701	2	3.5.0	R99	ASN.1 corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010030	25.331	702	2	3.5.0	R99	Measurement related corrections	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	703	1	3.5.0	R99	Clarifications on TFC Control procedure	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	704	2	3.5.0	R99	Association of PLMN ID to neighbour cells	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	705	1	3.5.0	R99	TFCS Selection Guidelines	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010037	25.331	706	1	3.5.0	Rel-4	Physical channel configuration information elements for 1.28 Mcps TDD	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010037	25.331	707	2	3.5.0	Rel-4	Changes to Measurement Related Signalling and Introduction of Cell (Re)selection Parameters for 1.28Mcps TDD	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010037	25.331	708	1	3.5.0	Rel-4	Introduction of RACH Parameters for 1.28 Mcps TDD	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010037	25.331	709		3.5.0	Rel-4	Introduction of UE radio access capability Parameters for 1.28 Mcps TDD	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	710		3.5.0	R99	Special Burst Scheduling During DTX in TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	711	1	3.5.0	R99	Radio Link Failure Criteria in TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	712	1	3.5.0	R99	Correction & Clarification to TDD RACH Subchannels	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	713	1	3.5.0	R99	Number of retransmission of RRC CONNECTION REQUEST	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-010031	25.331	714		3.5.0	R99	Uplink Frequency Notification	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	715		3.5.0	R99	Clarification of Radio Bearer Mapping for DCH/DSCH Transport Channels	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	716		3.5.0	R99	Correction of mismatches between tabular and ASN.1	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	717		3.5.0	R99	Correction to discontinuous reception in TDD	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	718		3.5.0	R99	Power control preamble	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	719		3.5.0	R99	Maximum number of AM entity	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	720	1	3.5.0	R99	Real-time Integrity Broadcast	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	721	3	3.5.0	R99	Moving Real-time Integrity description to different chapter	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010040	25.331	722	1	3.5.0	Rel-4	Introduction of IPDLs for TDD	approved	C	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	723	1	3.5.0	R99	Removal of the payload unit concept	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	724		3.5.0	R99	Security related corrections to SRNS	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010031	25.331	725		3.5.0	R99	Periodic PLMN selection correction	approved	F	3.6.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010039	25.331	726	1	3.5.0	Rel-4	ROHC updates to RRC	approved	B	4.0.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-010107	25.401	020	1	3.5.0	R99	UTRAN definitions	approved	F	3.6.0	UTRAN Overall Description	R3
RP-010107	25.401	021	1	3.5.0	R99	Clarification of the definition of Co-ordinated DCHs	approved	F	3.6.0	UTRAN Overall Description	R3
RP-010107	25.401	022		3.5.0	R99	Editorial Correction on protocol model in 25.401	approved	F	3.6.0	UTRAN Overall Description	R3
RP-010164	25.401	023	1	3.5.0	Rel-4	The impacts on TS 25.401 for supporting low chip rate TDD	approved	B	4.0.0	UTRAN Overall Description	R3
RP-010108	25.402	013	2	3.4.0	R99	Proposed CR to correct timing diagram on Node Synchronisation	approved	F	3.5.0	Synchronisation in UTRAN Stage 2	R3
RP-010164	25.402	014	3	3.4.0	Rel-4	The impacts on TS 25.402 for supporting low chip rate TDD	approved	B	4.0.0	Synchronisation in UTRAN Stage 2	R3
RP-010166	25.402	016	1	3.4.0	Rel-4	Introduction of Cell Synchronisation for TDD	approved	B	4.0.0	Synchronisation in UTRAN Stage 2	R3
RP-010166	25.402	017		3.4.0	Rel-4	Sync Port signal Extension	approved	B	4.0.0	Synchronisation in UTRAN Stage 2	R3
RP-010163	25.410	015	1	3.3.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010109	25.411	004		3.3.0	R99	Fractional ATM on Iu	approved	F	3.4.0	UTRAN Iu interface Layer 1	R3
RP-010110	25.413	236	1	3.4.0	R99	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	238	1	3.4.0	R99	Relocation Command – RABS to be released IE	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	240	2	3.4.0	R99	New values for Paging Cause	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	241	1	3.4.0	R99	Condition for when to include DRX Cycle Length Coefficient	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	242	1	3.4.0	R99	Handling of Response messages with IEs with criticality = Ignore IE	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3

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RP-010110	25.413	243	1	3.4.0	R99	Clarification of Iu signalling connection co-ordination for inter system handover	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	245	1	3.4.0	R99	Clarification of Condition for SDU Format Information	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	246		3.4.0	R99	Editorial correction to RANAP functions list	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	248	1	3.4.0	R99	RANAP Paging Procedure Description	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	249		3.4.0	R99	Clarification of definition of Class 1 Elementary Procedure (EP)	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010163	25.413	250	2	3.4.0	Rel-4	Introduction of transport bearer modification procedure	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010162	25.413	252	1	3.4.0	Rel-4	Support of PS realtime relocation in RANAP	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	253		3.4.0	R99	Modification of Relocation Requirement IE	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	254		3.4.0	R99	Interaction of Relocation and Location Report procedures	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	255		3.4.0	R99	Handling of RABs failing during relocation	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	256	1	3.4.0	R99	Corrections to RAB parameters	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	257		3.4.0	R99	Incomplete explanation of condition IfNotOnlyNSI	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	258		3.4.0	R99	Handling for SRNS Context Response at unavailable seq. no.s.	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	260		3.4.0	R99	Handling of the Procedures Triggering an Error Indication Procedure	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	261		3.4.0	R99	User Plane Information for RAB modification	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	263	2	3.4.0	R99	Erroneous Criticality Diagnostics IE	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010189	25.413	265		3.4.0	Rel-4	Alignment of Geographic Shape Descriptions between 25.413 and 23.032	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010110	25.413	266	1	3.4.0	R99	Relocation Complete Clarification	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010111	25.413	268		3.4.0	R99	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010158	25.413	271		3.4.0	Rel-4	Changes on RANAP due to WI TrFO	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010156	25.413	272	1	3.4.0	Rel-4	RAB Quality of Service Renegotiation over Iu, Proposed CR	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010156	25.413	273	1	3.4.0	Rel-4	Introduction of RAB QoS Negotiation in RANAP	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010156	25.413	274	1	3.4.0	Rel-4	Introduction of RAB QoS Negotiation during Relocation	approved	B	4.0.0	UTRAN Iu interface RANAP signalling	R3
RP-010111	25.413	275	3	3.4.0	R99	Criticality in Ranap	approved	F	3.5.0	UTRAN Iu interface RANAP signalling	R3
RP-010112	25.414	023	2	3.6.0	R99	Change of referenced specifications of Diffserv	approved	F	3.7.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010112	25.414	024	1	3.6.0	R99	Clarification of the ALC values	approved	F	3.7.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010163	25.414	025	1	3.6.0	Rel-4	Introduction of Modification procedure of Q.2630.2	approved	B	4.0.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010162	25.414	026	1	3.6.0	Rel-4	Introduction of I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010113	25.415	045	1	3.5.0	R99	Clarification of meaning of error cause values	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	046	1	3.5.0	R99	Corrections to 25.415	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	047	1	3.5.0	R99	Error cause value 17	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	049	1	3.5.0	R99	Correction of RNL-SAP primitive	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	050	1	3.5.0	R99	Handling of FQC information	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010162	25.415	051	1	3.5.0	Rel-4	Introduction of I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	053		3.5.0	R99	Frame number and Initialisation	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010113	25.415	054		3.5.0	R99	Start of user data sending	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3

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RP-010113	25.415	056	1	3.5.0	R99	Coding of Initialisation Procedure	approved	F	3.6.0	UTRAN Iu interface user plane protocols	R3
RP-010158	25.415	057		3.5.0	Rel-4	RNL-SAP Primitives necessary for TrFO	approved	B	4.0.0	UTRAN Iu interface user plane protocols	R3
RP-010158	25.415	058		3.5.0	Rel-4	TrFO impacts on Rate Control	approved	B	4.0.0	UTRAN Iu interface user plane protocols	R3
RP-010158	25.415	059		3.5.0	Rel-4	General changes for WI TrFO	approved	B	4.0.0	UTRAN Iu interface user plane protocols	R3
RP-010158	25.415	060		3.5.0	Rel-4	TrFO Impacts on IuUP initialisation	approved	B	4.0.0	UTRAN Iu interface user plane protocols	R3
RP-010114	25.419	030	1	3.3.0	R99	Handling of Response messages with IEs with criticality = Ignore IE	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-010114	25.419	031		3.3.0	R99	Handling of the Procedures Triggering an Error Indication Procedure	approved	F	3.4.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-010114	25.419	032	2	3.3.0	R99	Update to R3-010947: Erroneous Criticality Diagnostics IE	approved	F	3.4.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-010114	25.419	033		3.3.0	R99	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	F	3.4.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-010114	25.419	034		3.3.0	R99	Criticality Revision in SABP	approved	F	3.4.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-010114	25.420	009		3.2.0	R99	Editorial correction to 25.420	approved	F	3.3.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010163	25.420	010	1	3.2.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010162	25.420	011	1	3.2.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010160	25.420	012	2	3.2.0	Rel-4	Introduction of SCCP Handling for Common Measurements on Iur	approved	B	4.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010115	25.420	013		3.2.0	R99	Clarification on RNSAP procedure.	approved	F	3.3.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010159	25.420	014	2	3.2.0	Rel-4	Introduction of SCCP Handling for Common Measurements and Information Exchange on Iur	approved	B	4.0.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010116	25.421	001		3.0.0	R99	Correction to the referred specification	approved	F	3.1.0	UTRAN Iur interface Layer 1	R3
RP-010117	25.423	282	1	3.4.0	R99	In/out of sync alignment with WG1 for TDD	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	283		3.4.0	R99	Removal of Rate Matching Parameter Ambiguity	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	284	2	3.4.0	R99	Activation CFN alignment with R2	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	285		3.4.0	R99	Rejection of RL Setup if only one of Initial DL Power or UL SIR Target IEs are included in the Request message	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	286		3.4.0	R99	The Common Transport Channel Resources Initialisation Procedure is Mandatory at Cell Change in Cell_FACH state	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	288	2	3.4.0	R99	Improved Compressed Mode Handling Specification Text	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	289		3.4.0	R99	Application of the Frame Handling Priority ambiguous in RADIO LINK SETUP	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	290		3.4.0	R99	URA Information Handling Alignment with RRC	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	291		3.4.0	R99	Deletion of a non existing RL	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	292		3.4.0	R99	Clarification of RNSAP Procedure Module Definitions	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	293	1	3.4.0	R99	Correction to ASN.1	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	295	1	3.4.0	R99	Correction to RL addition procedure text	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	296	3	3.4.0	R99	Secondary CCPCH info for TDD	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	297	3	3.4.0	R99	Additional IE's needed for Channel Switching from Cell_FACH to Cell_DCH [TDD].	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3

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RP-010117	25.423	298		3.4.0	R99	Handling of Response messages with IEs with criticality = Ignore IE	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	299	2	3.4.0	R99	Midamble - Channelisation code association for TDD	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	300		3.4.0	R99	Radio Link Initialisation procedure text	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	301	1	3.4.0	R99	Clarification of operation of Common & Dedicated Measurement Initiation	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	302		3.4.0	R99	Removal of Ambiguity in Radio Link Failure Procedure	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010117	25.423	304	1	3.4.0	R99	TX Diversity Indication for TDD	postponed	F		UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	305		3.4.0	R99	Time measurement granularity	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	306	2	3.4.0	R99	Measurement range modification	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	307	1	3.4.0	R99	SCH Timeslot IE definition	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	308	1	3.4.0	R99	DL Timeslot ISCP report correction	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010164	25.423	309	2	3.4.0	Rel-4	The impacts on TS 25.423 for supporting low chip rate TDD in RNSAP	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010167	25.423	310	2	3.4.0	Rel-4	SCH Power Control Improvement	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	311	1	3.4.0	R99	Paging Cause	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	313		3.4.0	R99	Handling of the Procedures Triggering an Error Indication Procedure	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	314		3.4.0	R99	Mapping of TFS and TFI	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	315		3.4.0	R99	Release of Common Transport Channel Resources in the DRNS	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	316	1	3.4.0	R99	Miscellaneous Corrections	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	317		3.4.0	R99	Removal of IE Group Name for Groups with only one Repetition	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	318	2	3.4.0	R99	Forward Compatibility of RNSAP with regards to Dedicated Measurements	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	319	1	3.4.0	R99	Remaining Errors after CR Implementation	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010160	25.423	320	2	3.4.0	Rel-4	DPC Rate Reduction in Soft Handover	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010160	25.423	323	2	3.4.0	Rel-4	Introduction of the Common Measurement Procedures in RNSAP	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010165	25.423	324	1	3.4.0	Rel-4	The impacts on TS25.423 for supporting gating operation	postponed	B		UTRAN Iur interface RNSAP signalling	R3
RP-010159	25.423	327	3	3.4.0	Rel-4	Introduction of the Common Measurement Procedures in RNSAP	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010159	25.423	328	2	3.4.0	Rel-4	Introduction of the Information Exchange Procedures in RNSAP	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	329	2	3.4.0	R99	Erroneous Criticality Diagnostics IE	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	332		3.4.0	R99	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	334	1	3.4.0	R99	Merged Clarifications to the Measurement Procedures	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010118	25.423	335	1	3.4.0	R99	Introduction of the PC Preamble and SRB Delay IEs.	approved	F	3.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-010159	25.423	336	1	3.4.0	Rel-4	Introduction of Cell Geographical Area Additional Shapes	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010159	25.423	337	1	3.4.0	Rel-4	Merge CR for common measurements over Iur	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010160	25.423	339	1	3.4.0	Rel-4	Introduction of Rate Control on DCHs	approved	B	4.0.0	UTRAN Iur interface RNSAP signalling	R3
RP-010119	25.424	007		3.5.0	R99	Application of AAL2 Link Characteristics on Iur CCHs	approved	F	3.6.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-010119	25.424	008	1	3.5.0	R99	Clarification of the ALC values	approved	F	3.6.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3

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RP-010163	25.424	009	1	3.5.0	Rel-4	Introduction of Modification procedure of Q.2630.2	approved	B	4.0.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-010162	25.424	010	1	3.5.0	Rel-4	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-010120	25.425	022	2	3.3.0	R99	Corrections to 25.425 – Editor's proposal	approved	F	3.4.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010164	25.425	023	4	3.3.0	Rel-4	The impacts on TS 25.425 for supporting low chip rate TDD	approved	B	4.0.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010120	25.425	024	3	3.3.0	R99	Clarification of Iur RACH frame protocol	approved	F	3.4.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010162	25.425	025	1	3.3.0	Rel-4	Introduction of I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010120	25.425	026	1	3.3.0	R99	Clarification of Services expected from data transport	approved	F	3.4.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010120	25.425	028		3.3.0	R99	Handling of spare bits	approved	F	3.4.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010121	25.426	010		3.5.0	R99	Application of AAL2 Link Characteristics on Iub/Iur DCHs	approved	F	3.6.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010121	25.426	011	1	3.5.0	R99	Clarification of the ALC values	approved	F	3.6.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010163	25.426	012	1	3.5.0	Rel-4	Introduction of Modification procedure of Q.2630.2	approved	B	4.0.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010162	25.426	013	1	3.5.0	Rel-4	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010122	25.427	039	1	3.5.0	R99	In/out of sync alignment with WG1 for TDD	approved	F	3.6.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010122	25.427	040	1	3.5.0	R99	Editorial Correction	approved	F	3.6.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010164	25.427	042	2	3.5.0	Rel-4	The impacts on TS 25.427 for supporting low chip rate TDD	approved	B	4.0.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010122	25.427	043	1	3.5.0	R99	Clarification of Services expected from data transport	approved	F	3.6.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010160	25.427	045	1	3.5.0	Rel-4	DPC Rate Reduction in Soft Handover	approved	B	4.0.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010164	25.430	014	2	3.4.0	Rel-4	The impacts on TS 25.430 for supporting low chip rate TDD	approved	B	4.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010123	25.430	015		3.4.0	R99	Correction of ALCAP	approved	F	3.5.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010163	25.430	016	1	3.4.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010162	25.430	017	1	3.4.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010124	25.431	001		3.0.0	R99	Fractional ATM on Iub	approved	F	3.1.0	UTRAN Iub interface Layer 1	R3
RP-010124	25.431	002		3.0.0	R99	Correction to the referred specification	approved	F	3.1.0	UTRAN Iub interface Layer 1	R3

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RP-010125	25.433	325	2	3.4.1	R99	In/out of sync alignment with WG1 for TDD	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	326		3.4.1	R99	Removal of Rate Matching Parameter Ambiguity	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	327	1	3.4.1	R99	Activation CFN Alignment with R2	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	328	1	3.4.1	R99	AUDIT RESPONSE tabular format modification	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	329	3	3.4.1	R99	Improved Compressed Mode Handling Specification Text	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	330		3.4.1	R99	Correction to ASN.1	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	333	1	3.4.1	R99	Correction to the maximum number of RLs in the RL Addition procedure	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	334	1	3.4.1	R99	Editorial Correction in TS 25.433	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	335	1	3.4.1	R99	Editorial Correction to Unsynchronised Radio Link Reconfiguration Procedure Text	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	336		3.4.1	R99	Radio Link Initialisation procedure text	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	339		3.4.1	R99	Handling of Response messages with IEs with criticality = Ignore IE	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	340	2	3.4.1	R99	Midamble - Channelisation code association for TDD	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	341	1	3.4.1	R99	Correction of error procedure text of Common Transport Channel Deletion	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	342	2	3.4.1	R99	Clarification of operation of Common & Dedicated Measurement Initiation	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	344	2	3.4.1	R99	Inclusion of Services expected from NBAP signalling bearer	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	346		3.4.1	R99	Intuitive Value Names for the Compressed Mode Deactivation Flag IE	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	347		3.4.1	R99	Removal of Ambiguity in Radio Link Failure Procedure	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	348		3.4.1	R99	Removal of inter-mixing of FDD with TDD for DCHs to Modify	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	350	1	3.4.1	R99	Correction of Capacity model for TDD	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010125	25.433	351		3.4.1	R99	Time measurement granularity	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	352	2	3.4.1	R99	Measurement range modification	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	353		3.4.1	R99	Addition of SIB17	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	354		3.4.1	R99	Correction of Frame Handling Priority Presence	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	355		3.4.1	R99	SCH Timeslot IE definition	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	356	1	3.4.1	R99	DL Timeslot ISCP report correction	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010164	25.433	358	2	3.4.1	Rel-4	The impacts on TS 25.433 for supporting low chip rate TDD in the NBAP Common Procedures	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010164	25.433	359	3	3.4.1	Rel-4	The impacts on TS 25.433 for supporting low chip rate TDD in the NBAP Dedicated Procedures	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010166	25.433	360	3	3.4.1	Rel-4	Introduction of NBAP Cell Synchronisation function for TDD	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010166	25.433	361	1	3.4.1	Rel-4	NBAP Procedure modifications due to cell synchronisation	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010167	25.433	362	2	3.4.1	Rel-4	DSCH Power Control Improvement	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	365		3.4.1	R99	DL power clarification	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	367		3.4.1	R99	Modification of Context ID Presence in RESET REQUEST	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	368		3.4.1	R99	Handling of the Procedures Triggering an Error Indication Procedure	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	369		3.4.1	R99	Removal/Modification of notes related to UARFCN	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	370		3.4.1	R99	Mapping of TFS and TFI	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3

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RP-010126	25.433	371		3.4.1	R99	General clarifications ad corrections	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010159	25.433	372	2	3.4.1	Rel-4	Introduction of the UTRAN-GPS and SFN-SFN timing measurement in NBAP	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010160	25.433	373	2	3.4.1	Rel-4	DPC Rate Reduction in Soft Handover	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010159	25.433	374	2	3.4.1	Rel-4	Introduction of the Information Exchange Procedures in RNSAP	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010165	25.433	375	1	3.4.1	Rel-4	The impacts on TS25.433 for supporting gating operation	postponed	B		UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	377	1	3.4.1	R99	NBAP correction in tabular format	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	378	1	3.4.1	R99	Correction based on NBAP detailed review	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	379	2	3.4.1	R99	Erroneous Criticality Diagnostics IE	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010159	25.433	381	1	3.4.1	Rel-4	Introduction of the network configurable idle periods for OTDOA UE Positioning function	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	383		3.4.1	R99	Handling of Not Comprehended and Missing IEs Leading to Incapability to Compile a Response Message	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	385	2	3.4.1	R99	Node B resource model	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	386		3.4.1	R99	Correction of Physical Shared Channel Reconfiguration	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010160	25.433	387	1	3.4.1	Rel-4	Limited Power Increase Range	approved	B	4.0.0	UTRAN Iub interface NBAP signalling	R3
RP-010126	25.433	388		3.4.1	R99	Interaction between measurements and reset on Iub	approved	F	3.5.0	UTRAN Iub interface NBAP signalling	R3
RP-010127	25.434	006	1	3.4.0	R99	Clarification of the ALC values	approved	F	3.5.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010163	25.434	007	1	3.4.0	Rel-4	Introduction of Modification procedure of Q.2630.2	approved	B	4.0.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010162	25.434	008	1	3.4.0	Rel-4	Introduction of Path Type capability of Q.2630.2 and I.363.2 (11/2000)	approved	B	4.0.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010164	25.435	037	3	3.5.0	Rel-4	The impacts on TS 25.435 for supporting low chip rate TDD	approved	B	4.0.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010128	25.435	038	1	3.5.0	R99	Clarification of Services expected from data transport	approved	F	3.6.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010128	25.435	039		3.5.0	R99	Handling of spare bits	approved	F	3.6.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010037	25.834	001		4.0.0	Rel-4	Tx diversity	approved	B	4.1.0	UTRA TDD low chip rate option; Radio protocol aspects	R2
RP-010037	25.834	002		4.0.0	Rel-4	Propagation delay measurement	approved	B	4.1.0	UTRA TDD low chip rate option; Radio protocol aspects	R2
RP-010037	25.834	003	1	4.0.0	Rel-4	Update of TR 25.834	approved	B	4.1.0	UTRA TDD low chip rate option; Radio protocol aspects	R2
RP-010073	25.836	001	1	4.0.0	Rel-4	Additions to the node B synchronisation procedure	approved	C	4.1.0	Node B synchronization for TDD	R1
RP-010074	25.841	001	1	4.0.0	Rel-4	TFCI power control for DSCH in split mode	approved	B	4.1.0	DSCH power control improvement in soft handover	R1
RP-010038	25.843	001		4.0.0	Rel-4	Update of TR 25.843	approved	B	4.1.0	1,28 Mcps TDD UE Radio Access Capabilities	R2
RP-010129	25.853	001	1	3.0.0	R99	Clarification of the Delay Budget Report Scope.	approved	F	3.1.0	Delay budget within the access stratum	R3
RP-010033	25.921	008		3.2.0	R99	Description of backward compatibility consideration rule for RANAP, SABP, RNSAP and NBAP ASN.1	approved	F	3.3.0	Guidelines and principles for protocol description and error handling	R2
RP-010033	25.921	009		3.2.0	R99	Usage of the Version column	approved	F	3.3.0	Guidelines and principles for protocol description and error handling	R2

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RP-010033	25.921	010	1	3.2.0	R99	Clean-up	approved	F	3.3.0	Guidelines and principles for protocol description and error handling	R2
RP-010033	25.921	011		3.2.0	R99	Recommendations on the use of the extension mechanism	approved	F	3.3.0	Guidelines and principles for protocol description and error handling	R2
RP-010034	25.922	012	1	3.4.0	R99	Principles of RACH/PRACH Configuration in TDD	approved	F	3.5.0	Radio Resource Management Strategies	R2
RP-010034	25.922	013	1	3.4.0	R99	Radio Bearer Control corrections	approved	F	3.5.0	Radio Resource Management Strategies	R2
RP-010034	25.922	014		3.4.0	R99	Correction to idle mode tasks	approved	F	3.5.0	Radio Resource Management Strategies	R2
RP-010035	25.925	005	1	3.3.0	R99	Editorial corrections and consistency check	approved	F	3.4.0	Radio Interface for Broadcast/Multicast Services	R2
RP-010163	25.931	006	1	3.2.0	Rel-4	Introduction of the Modification Procedure of Q.2630.2	approved	B	4.0.0	UTRAN Functions, examples on signalling procedures	R3
RP-010162	25.931	007	1	3.2.0	Rel-4	Introduction of Q.2630.2	approved	B	4.0.0	UTRAN Functions, examples on signalling procedures	R3
RP-010130	25.931	008		3.2.0	Rel-4	Service based intersystem handover and directed retry procedure	revised	B	4.0.0	UTRAN Functions, examples on signalling procedures	R3
RP-010130	25.931	008	1	3.2.0	R99	Service based intersystem handover and directed retry procedure	approved	B	4.0.0	UTRAN Functions, examples on signalling procedures	R3
RP-010071	25.944	005	1	3.3.0	Rel-4	1.28 Mcps TDD related changes to 25.944	approved	B	4.0.0	Channel coding and multiplexing examples	R1
RP-010067	25.944	006	-	3.3.0	R99	Corrections for TDD sections	approved	F	3.4.0	Channel coding and multiplexing examples	R1
RP-010036	34.109	006		3.2.0	R99	Electrical Man Machine Interface	approved	B	3.3.0	Logical Test Interface (TDD and FDD)	R2
RP-010094	34.124	5		3.2.0	R99	Essential corrections to TS34.124	approved	F	3.3.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
RP-010097	34.124	6		3.2.0	REL-4	UE electromagnetic compatibility (EMC) for 1.28Mcps TDD Option	approved	B	4.0.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
SP-010036	02.11	A012		6.0.0	R97	CR to 02.11 on Roaming restrictions for GPRS (Release '97)	approved	F	6.1.0	Service Accessibility	S1
SP-010036	02.11	A013		7.0.1	R98	CR to 02.11 on Roaming restrictions for GPRS (Release '98)	approved	A	7.1.0	Service Accessibility	S1
SP-010098	02.53	002		8.0.0	Rel-4	Extension of TFO to AMR	approved	C	4.0.0	Tandem Free Operation (TFO); Service description; Stage 1	S4
SP-010037	02.71	A003		7.2.0	R98	Deletion of reference to GSM 10.71	approved	F	7.3.0	Location Services (LCS) ; Stage 1	S1
SP-010130	03.35	001		8.0.0	R99	IST implementation for non-CAMEL subscribers	approved	F	8.1.0	Immediate Service Termination (IST); Stage 2	S3
	03.50	A029		8.1.0	Rel-4	Harmonisation of requirements on terminal acoustics in GSM and 3G		F		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
	03.50	A029	1	8.1.0	Rel-4	Harmonisation of requirements on terminal acoustics in GSM and 3G		F		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
SP-010099	03.50	A029	2	8.1.1	Rel-4	Harmonisation of requirements on terminal acoustics in GSM and 3G	approved	F	4.0.0	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4

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	03.50	A030		8.1.0	Rel-5	Harmonisation of requirements on terminal acoustics in GSM and 3G		F		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
	03.50	A030	1	8.1.0	Rel-5	Harmonisation of requirements on terminal acoustics in GSM and 3G		F		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
SP-010099	03.50	A030	2	8.1.1	Rel-5	Harmonisation of requirements on terminal acoustics in GSM and 3G	approved	F	5.0.0	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
	03.53	001		8.0.0	Rel-4	Extension of TFO to AMR		C		Tandem Free Operation (TFO); Service description; Stage 2	S4
SP-010098	03.53	001	1	8.0.0	Rel-4	Extension of TFO to AMR	approved	C	4.0.0	Tandem Free Operation (TFO); Service description; Stage 2	S4
SP-010116	03.60	A199		6.7.1	R97	Failure of Update GPRS Location when HLR is not reachable	approved	F	6.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	03.60	A200		7.5.0	R98	Failure of Update GPRS Location when HLR is not reachable	approved	A	7.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010120	03.71	A00	1	7.4.0	R98	Segmentation/Pre-emption for LCS	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A010	1	8.0.0	R99	Segmentation/Pre-emption for LCS	approved	F	8.1.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A011		7.4.0	R98	Correction; BSSMAP Location Information Report replaced by BSSMAP Connection Oriented Information	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A012		8.0.0	R99	Correction; BSSMAP Location Information Report replaced by BSSMAP Connection Oriented Information	approved	F	8.1.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A013	1	7.4.0	R98	LCS error handling (Inter-BSC Handover)	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A014	1	8.0.0	R99	LCS error handling (Inter-BSC Handover)	approved	F	8.1.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A015	3	7.4.0	R98	Privacy check procedures for call related MT-LR, GSM 03.71	approved	D	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A016	1	7.4.0	R98	Corrections of A-GPS Broadcast Descriptions	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A017	1	8.0.0	R99	Corrections of A-GPS Broadcast Descriptions	approved	F	8.1.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A018	1	7.4.0	R98	Applicability of LCS services in CS domain to GPRS mobile stations	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A019	1	8.0.0	R99	Applicability of LCS services in CS domain to GPRS mobile stations	approved	F	8.1.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A020		7.4.0	R98	Geographical shape restriction in LCS	approved	F	7.5.0	Location services (LCS); Stage 2	S2
SP-010120	03.71	A021		8.0.0	R99	Geographical shape restriction in LCS	approved	A	8.1.0	Location services (LCS); Stage 2	S2
SP-010100	06.73	A023		7.4.1	R98	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-010100	06.73	A024		7.4.1	R98	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-010100	06.73	A025		7.4.1	R98	Correction of mode state bug in AMR decoder	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4
	06.73	A026		7.4.1	R98	Correction of TX_TYPE and RX_TYPE identifiers		F		ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-010100	06.73	A026	1	7.4.1	R98	Correction of TX_TYPE and RX_TYPE identifiers	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4
SP-010100	06.73	A027		7.4.1	R98	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	F	7.5.0	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	S4

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SP-010101	06.74	A001		7.0.2	R98	Update of AMR codec test sequences after CRs to TS 06.73	approved	F	7.1.0	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec	S4
	06.77	A001		8.0.0	R99	Addition of test plan and tidying		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
	06.77	A001	1	8.0.0	R99	Addition of test plan and tidying		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
	06.77	A001	2	8.0.0	R99	Addition of test plan and tidying		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
	06.77	A001	3	8.0.0	R99	Addition of test plan and tidying		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
SP-010102	06.77	A001	4	8.0.0	R99	Addition of test plan and tidying	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
	06.77	A002		8.0.0	R99	Update of C code for objective measures for NS algorithm characterization		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
SP-010102	06.77	A002	1	8.0.0	R99	Update of C code for objective measures for NS algorithm characterization	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
	06.77	A003		8.0.0	R99	Correction of Annex A		F		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
SP-010102	06.77	A003	1	8.0.0	R99	Correction of Annex A	approved	F	8.1.0	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
SP-010067	21.101	004		3.2.0	R99	Correction to list of specs	revised	F		3rd Generation mobile system Release 1999 Specifications	SP
SP-010206	21.101	004	1	3.2.0	R99	Correction to list of specs	approved	F	3.3.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-010193	21.801	001		4.0.0	Rel-4	Automatic numbering of references	approved	B	4.1.0	3GPP drafting rules	SP
SP-010203	21.801	002		4.0.0	Rel-4	Permission to use the Visio drawing tool, and other clarifications	revised	C		3GPP drafting rules	SP
SP-010213	21.801	002	1	4.0.0	Rel-4	Clarification on use of automatically numbered figures, tables, etc	approved	C	4.1.0	3GPP drafting rules	SP
SP-010066	21.900	014		3.5.0	R99	Inclusion of GSM spec numbering scheme	revised	F		3GPP working methods	SP
SP-010178	21.900	014	1	3.5.0	R99	Inclusion of GSM spec numbering scheme	approved	F	3.6.0	3GPP working methods	SP
SP-010038	21.905	006		4.1.0	Rel-4	Editorial changes and new definitions	approved	D	4.2.0	3G Vocabulary	S1
SP-010038	21.905	007		4.1.0	Rel-4	Inclusion of commonly used definition contained in 23.122	approved	B	4.2.0	3G Vocabulary	S1
SP-010039	22.002	009		3.5.0	R99	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	approved	F	3.6.0	Circuit Bearer Services Supported by a PLMN	S1
SP-010039	22.002	010		4.0.0	Rel-4	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	approved	C	4.1.0	Circuit Bearer Services Supported by a PLMN	S1
SP-010040	22.002	011		4.0.0	Rel-4	Restructuring of 22.002	approved	D	4.1.0	Circuit Bearer Services Supported by a PLMN	S1

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SP-010040	22.002	012		4.0.0	Rel-4	Restructuring of tables in section 3.1	approved	D	4.1.0	Circuit Bearer Services Supported by a PLMN	S1
SP-010036	22.011	020		3.3.0	R99	CR to 22.011 on Roaming restrictions for GPRS (Release '99)	approved	A	3.4.0	Service accessibility	S1
SP-010036	22.011	021		4.2.0	Rel-4	CR to 02.11 on Roaming restrictions for GPRS (Release4)	approved	A	4.3.0	Service accessibility	S1
SP-010150	22.011	022		3.3.0	R99	Equivalent handling of PLMNs with different PLMN codes	approved	F	3.4.0	Service accessibility	S1
SP-010151	22.011	023		4.2.0	Rel-4	Equivalent handling of PLMNs with different PLMN codes	approved	F	4.3.0	Service accessibility	S1
SP-010041	22.041	005		3.2.0	R99	Remove ODB for Packet Oriented Services from Release 99	approved	F	3.3.0	Operator Determined Call Barring	S1
SP-010041	22.041	006		4.0.0	Rel-4	Corrections of the ODB categories for Packet Oriented Services	approved	F	4.1.0	Operator Determined Call Barring	S1
SP-010042	22.041	007		3.2.0	R99	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	approved	F	3.3.0	Operator Determined Call Barring	S1
SP-010042	22.041	008		4.0.0	Rel-4	CR on Operator Determined Barring – Zonal Barring to 3GPP TSG SA WG1	approved	A	4.1.0	Operator Determined Call Barring	S1
SP-010043	22.057	006		5.0.0	Rel-5	MeXE service discovery	approved	B	5.1.0	Mobile Station Application Execution Environment (MExE); Stage 1	S1
SP-010044	22.071	024		4.2.0	Rel-4	Quality level negation	approved	C	4.3.0	Location Services (LCS); Stage 1	S1
SP-010044	22.071	025		4.2.0	Rel-4	Location determination in call or PDP context activation and release	approved	C	4.3.0	Location Services (LCS); Stage 1	S1
SP-010044	22.071	026		4.2.0	Rel-4	OSA support for LCS	approved	C	4.3.0	Location Services (LCS); Stage 1	S1
SP-010044	22.071	027		4.2.0	Rel-4	Editorial Cleanup	approved	D	4.3.0	Location Services (LCS); Stage 1	S1
SP-010044	22.071	028		4.2.0	Rel-4	Number of LCS Clients	approved	C	4.3.0	Location Services (LCS); Stage 1	S1
SP-010045	22.078	075	2	3.6.0	R99	Remedy for incorrect implementation of CR 22.078-062r5	approved	F	3.7.0	CAMEL; Stage 1	S1
SP-010046	22.078	076	1	3.6.0	R99	Support of previous phases of CAMEL	approved	F	3.7.0	CAMEL; Stage 1	S1
SP-010046	22.078	077	2	4.1.0	Rel-4	Support of previous phases of CAMEL	approved	A	4.2.0	CAMEL; Stage 1	S1
SP-010046	22.078	078	3	5.1.0	Rel-5	Support of previous phases of CAMEL	approved	F	5.2.0	CAMEL; Stage 1	S1
SP-010045	22.078	079	3	4.1.0	Rel-4	Alignment with stage 2 & 3, and some editorial corrections	approved	F	4.2.0	CAMEL; Stage 1	S1
SP-010045	22.078	080	1	5.1.0	Rel-5	Alignment with stage 2 & 3, and some editorial corrections	approved	A	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	081	2	5.1.0	Rel-5	Clarification on Call Party Handling requirements	approved	C	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	082		5.1.0	Rel-5	Enhancements to mobility management reporting	approved	B	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	083	2	5.1.0	Rel-5	Corrections of Call Barring interaction for CSE created call / new party	approved	F	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	084	1	5.1.0	Rel-5	Changing of naming for SMS-CSI	approved	D	5.2.0	CAMEL; Stage 1	S1
SP-010050	22.078	085	3	3.6.0	R99	Corrections of congestion control procedure	approved	F	3.7.0	CAMEL; Stage 1	S1
SP-010050	22.078	086	3	4.1.0	Rel-4	Corrections of congestion control procedure	approved	A	4.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	087	2	5.1.0	Rel-5	Transport of Charging Information from serving PLMN to the CSE	approved	B	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	088	1	5.1.0	Rel-5	Enhanced CSE capability for Subscribed Dialled Services	approved	C	5.2.0	CAMEL; Stage 1	S1
SP-010050	22.078	089	2	5.1.0	Rel-5	Corrections of congestion control procedure	approved	B	5.2.0	CAMEL; Stage 1	S1
SP-010051	22.078	090	2	5.1.0	Rel-5	Provide Location Information in case a terminating call is alerted	approved	B	5.2.0	CAMEL; Stage 1	S1
SP-010047	22.078	092	2	3.6.0	R99	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	approved	F	3.7.0	CAMEL; Stage 1	S1
SP-010047	22.078	093	2	4.1.0	Rel-4	Interaction between CAMEL control of MO-SMS and Call Barring & ODB	approved	A	4.2.0	CAMEL; Stage 1	S1

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SP-010047	22.078	094	1	5.1.0	Rel-5	Interaction between CAMEL control of MO-/MT-SMS and Call Barring & ODB	approved	A	5.2.0	CAMEL; Stage 1	S1
SP-010048	22.078	095		3.6.0	R99	Correction of interaction between CAMEL and BOIC	approved	F	3.7.0	CAMEL; Stage 1	S1
SP-010048	22.078	096		4.1.0	Rel-4	Correction of interaction between CAMEL and BOIC	approved	A	4.2.0	CAMEL; Stage 1	S1
SP-010048	22.078	097		5.1.0	Rel-5	Correction of interaction between CAMEL and BOIC	approved	A	5.2.0	CAMEL; Stage 1	S1
SP-010049	22.078	098		3.6.0	R99	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	rejected	F		CAMEL; Stage 1	S1
SP-010049	22.078	099		4.1.0	Rel-4	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	approved	F	4.2.0	CAMEL; Stage 1	S1
SP-010049	22.078	100		5.1.0	Rel-5	New subclause is added regarding to the CAMEL interactions with ODB for the Packet Oriented Services	approved	A	5.2.0	CAMEL; Stage 1	S1
SP-010052	22.082	002		3.0.1	Rel-4	Notification of active CFU	approved	B	4.0.0	Call Forwarding (CF) Supplementary Services; Stage 1	S1
SP-010053	22.101	062		4.2.0	Rel-4	Handling of interactions between applications requiring the access to UE resources	approved	A	4.3.0	UMTS Service principles	S1
SP-010053	22.101	063		5.1.0	Rel-5	Handling of interactions between applications requiring the access to UE resources	approved	A	5.2.0	UMTS Service principles	S1
SP-010054	22.101	064		4.2.0	Rel-4	PLMN name indication	approved	B	4.3.0	UMTS Service principles	S1
SP-010054	22.101	065		5.1.0	Rel-5	PLMN name indication	approved	A	5.2.0	UMTS Service principles	S1
SP-010055	22.101	066		4.2.0	Rel-4	CR to 22.101 on Introduction of CPHS features	approved	B	4.3.0	UMTS Service principles	S1
SP-010055	22.101	067		5.1.0	Rel-5	CR to 22.101 on Introduction of CPHS features	approved	A	5.2.0	UMTS Service principles	S1
SP-010056	22.101	068		4.2.0	Rel-4	Display of service provider name in the UE	approved	B	4.3.0	UMTS Service principles	S1
SP-010056	22.101	069		5.1.0	Rel-5	Display of service provider name in the UE	approved	A	5.2.0	UMTS Service principles	S1
SP-010057	22.101	070		5.1.0	Rel-5	CR to 22.101 on Clarifications on IMS emergency call support	approved	C	5.2.0	UMTS Service principles	S1
SP-010058	22.115	005		3.3.0	Rel-5	Introduction of charging for IPMultimedia and Event Based Charging	approved	B	5.0.0	Service Aspects Charging and billing	S1
SP-010059	22.121	018		4.0.0	Rel-4	Changes to TS 22.121 Release 4 - Update of 097 submitted to S1 Plenary	approved	F	4.1.0	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	S1
SP-010059	22.121	019		4.0.0	Rel-5	The Virtual Home Environment (Release 5) Addition of User profile requirement and changes for clarification	approved	B	5.0.0	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	S1
SP-010060	22.127	001		4.0.0	Rel-4	CR to 22.127 V 4.0.0 on CS Call Control (Release 4)	approved	F	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010060	22.127	002		4.0.0	Rel-4	CR to 22.127 V 4.0.0 on User interaction(Release 4)	approved	F	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010163	22.127	003		4.0.0	Rel-4	Clarify the situation when a user becomes available	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010163	22.127	004		4.0.0	Rel-4	Terminal capabilities	rejected	D		Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010163	22.127	005		4.0.0	Rel-4	Make the Scope more precise description of 22.127	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010163	22.127	006		4.0.0	Rel-4	Clarify charging requirements	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010163	22.127	007		4.0.0	Rel-4	OSA consistency within stage1 specification	approved	D	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1
SP-010164	22.127	008		4.0.0	Rel-4	Clarification to the requirements of the Event Notification Function	approved	C	4.1.0	Service Requirement for the Open Services Access (OSA) ; Stage 1	S1

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SP-010061	22.129	017		4.1.0	Rel-4	Editorial CR to correct references to releases	approved	D	4.2.0	Handover Requirements between UMTS and GSM or other Radio Systems	S1
SP-010062	22.140	004		4.0.1	Rel-4	Alignment of Stage 1 MMS to Stage 2 MMS	approved	C	4.1.0	Multimedia Messaging Service; Stage 1	S1
SP-010062	22.140	005		4.0.1	Rel-4	Support for Streaming in MMS	approved	C	4.1.0	Multimedia Messaging Service; Stage 1	S1
SP-010062	22.140	006		4.0.1	Rel-4	MM Forwarding	approved	F	4.1.0	Multimedia Messaging Service; Stage 1	S1
SP-010062	22.140	007		4.0.1	Rel-4	New features in MMS R'4	approved	B	4.1.0	Multimedia Messaging Service; Stage 1	S1
SP-010063	22.228	001		5.0.0	Rel-5	IMS to PSTN/ISDN interworking for basic voice calls only	approved	C	5.1.0	IP multimedia subsystem; Stage 1	S1
SP-010115	23.002	032	1	4.1.0	Rel-4	Clarification of the difference between MGW in BICCN and IMS	approved	D	4.2.0	Network Architecture	S2
SP-010115	23.002	033	1	5.1.0	Rel-5	Clarification of the difference between MGW in BICCN and IMS	approved	D	5.2.0	Network Architecture	S2
SP-010115	23.002	034		5.1.0	Rel-5	Introduction of Iu-CS and Iu-PS interfaces to BSS of type GERANin the network architecture	approved	A	5.2.0	Network Architecture	S2
SP-010115	23.002	035	1	5.1.0	Rel-5	CSCF-GGSN interface	approved	B	5.2.0	Network Architecture	S2
SP-010115	23.002	040		4.1.0	Rel-4	Missing Nc interface in basic configuration figure	approved	F	4.2.0	Network Architecture	S2
SP-010115	23.002	041		5.1.0	Rel-5	Missing Nc interface in basic configuration figure	approved	A	5.2.0	Network Architecture	S2
SP-010115	23.002	042		4.1.0	Rel-4	Removal of Iu for GERAN in Rel 4	approved	F	4.2.0	Network Architecture	S2
SP-010115	23.002	043		4.1.0	Rel-4	Signalling and User Traffic Interfaces	approved	D	4.2.0	Network Architecture	S2
SP-010115	23.002	044	2	5.1.0	Rel-5	Clarification to the GGSN/PCF interface to the R5 reference architecture	approved	F	5.2.0	Network Architecture	S2
SP-010115	23.002	045		4.1.0	Rel-4	Resolution of editor's note in the MGW description	approved	D	4.2.0	Network Architecture	S2
SP-010115	23.002	046		5.1.0	Rel-5	Resolution of editor's note in the MGW description	approved	A	5.2.0	Network Architecture	S2
SP-010115	23.002	047		4.1.0	Rel-4	Removal of an editor's note in GMSC description	approved	D	4.2.0	Network Architecture	S2
SP-010115	23.002	050		5.1.0	Rel-5	Signalling and User Traffic Interfaces	approved	A	5.2.0	Network Architecture	S2
SP-010116	23.060	169		3.6.0	R99	Details on CAMEL interworking with SGSN (SGSN CAMEL procedures)	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	183	2	3.6.0	R99	MS permanent (static) PDP address allocation by External PDN/correction	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	186	3	3.6.0	R99	Suspend/Resume at Intersystem change	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	200	1	3.6.0	R99	Clarification of TFT request during secondary PDP context activation.	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	202		3.6.0	Rel-4	Add new feature ODB for Packet Oriented Services	approved	B	4.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	204	1	3.6.0	R99	Correction on PDCP Conversion at inter and intra SGSN intersystem change UMTS-GSM	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	205		3.6.0	R99	Correction to Annex A, SDL-diagram on the rules applied uponPDP context activation to determine the APN and the corresponding GGSN	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	209	2	3.6.0	R99	Connection re-establishment on forward handover without Iur	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	212	1	3.6.0	R99	Clarification of subscribed QoS	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	215	1	3.6.0	R99	Handling of user data during the SRNS relocation procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	216	1	3.6.0	R99	Clarification of Error Indication procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-010116	23.060	217		3.6.0	R99	Failure of Update GPRS Location when HLR is not reachable	approved	A	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010116	23.060	218		3.6.0	R99	Correction to the relocation procedure	approved	F	3.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010117	23.107	024	2	4.0.0	Rel-5	UMTS Bearer Service Parameters	approved	B	5.0.0	Quality of Service, Concept and Architecture	S2
SP-010117	23.107	046	1	3.5.0	R99	Clarification of traffic class weights in QoS profile	approved	F	3.6.0	Quality of Service, Concept and Architecture	S2
SP-010118	23.127	020		4.0.0	Rel-4	Transfer of stage 3 material to 29.198	approved	B	4.1.0	Virtual Home Environment; Stage 2	S2
SP-010118	23.127	021		4.0.0	Rel-4	Inclusion of Rel4 new feature	approved	B	4.1.0	Virtual Home Environment; Stage 2	S2
SP-010120	23.171	015		3.2.0	R99	Service Area definition in LCS stage 2	approved	F	3.3.0	Functional stage 2 description of location services in UMTS	S2
SP-010120	23.171	016	3	3.2.0	R99	Stop reporting procedure for UMTS, TS 23.171 (Rel 99)	approved	A	3.3.0	Functional stage 2 description of location services in UMTS	S2
SP-010119	23.221	001	1	4.0.0	Rel-5	Inclusion of Release 5 requirements for the IM CN subsystem	approved	A	5.0.0	Architectural requirements	S2
SP-010120	23.271	001	1	4.0.0	Rel-4	Exception Procedures in SGSN	approved	B	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	002		4.0.0	Rel-4	Correct Inconsistencies in LCS Stage 2 for the CN	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	003	1	4.0.0	Rel-4	IP addressing in LCS	approved	B	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	006	2	4.0.0	Rel-4	Clarification of the use of the LCS client ID	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	007	1	4.0.0	Rel-4	MT-LR PS and CS procedures	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	008	1	4.0.0	Rel-4	POI not applicable to PLMN operator service	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	009		4.0.0	Rel-4	Clarification of the privacy class selection	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	010		4.0.0	Rel-4	Call related/unrelated is applicable only to value added service	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	011	3	4.0.0	Rel-4	Interworking with pre-Rel'4 LCS	approved	B	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	012	1	4.0.0	Rel-4	Clarification on the use of APN as LCS Client ID	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	013	1	4.0.0	Rel-4	Presence condition of External LCS Client list for Call/session Related Class	approved	F	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	014	1	4.0.0	Rel-4	MS presence notification procedure for LCSAs informative annex to 23.271	approved	B	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	015	3	4.0.0	Rel-4	Stop reporting procedure for UMTS, TS 23.271 (Rel 4)	approved	A	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	016	3	4.0.0	Rel-4	Privacy check procedures for call related MT-LR, TS 23.271 (Rel 4)	approved	A	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	017	1	4.0.0	Rel-4	Restructuring chapter 9.5.3 MS Privacy options, CR to 23.271 Rel4	approved	D	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	018	1	4.0.0	Rel-4	Correction on the privacy check for session related class	approved	F	4.1.0	Functional stage 2 description of location services	S2

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SP-010120	23.271	019	1	4.0.0	Rel-4	Editorial to change MS to UE	approved	D	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	020	1	4.0.0	Rel-4	Clarification of CN and RAN classmarks for LCS purposes	approved	D	4.1.0	Functional stage 2 description of location services	S2
SP-010120	23.271	021	1	4.0.0	Rel-4	Paging Procedure in PS-MT-LR	approved	C	4.1.0	Functional stage 2 description of location services	S2
SP-010100	26.073	003		3.1.0	R99	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	A	3.2.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	004		3.1.0	Rel-4	Correction of potential bug in AMR decoder due to usage of standard C abs() function	approved	A	4.0.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	005		3.1.0	R99	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	A	3.2.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	006		3.1.0	Rel-4	Correction of comfort noise parameter interpolation bug of AMR decoder	approved	A	4.0.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	007		3.1.0	R99	Correction of mode state bug in AMR decoder	approved	A	3.2.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	008		3.1.0	Rel-4	Correction of mode state bug in AMR decoder	approved	A	4.0.0	AMR speech Codec; C-source code	S4
	26.073	009		3.1.0	R99	Correction of TX_TYPE and RX_TYPE identifiers		A		AMR speech Codec; C-source code	S4
SP-010100	26.073	009	1	3.1.0	R99	Correction of TX_TYPE and RX_TYPE identifiers	approved	A	3.2.0	AMR speech Codec; C-source code	S4
	26.073	010		3.1.0	Rel-4	Correction of TX_TYPE and RX_TYPE identifiers		A		AMR speech Codec; C-source code	S4
SP-010100	26.073	010	1	3.1.0	Rel-4	Correction of TX_TYPE and RX_TYPE identifiers	approved	A	4.0.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	011		3.1.0	R99	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	A	3.2.0	AMR speech Codec; C-source code	S4
SP-010100	26.073	012		3.1.0	Rel-4	Correction of potential bug in AMR decoder due to the usage of standard C abs() function (VAD option_2)	approved	A	4.0.0	AMR speech Codec; C-source code	S4
SP-010101	26.074	001		3.0.2	R99	Update of AMR codec test sequences after CRs to TS 06.73	approved	A	3.1.0	AMR speech Codec; Test sequences	S4
SP-010101	26.074	002		3.0.2	Rel-4	Update of AMR codec test sequences after CRs to TS 06.73	approved	A	4.0.0	AMR speech Codec; Test sequences	S4
	26.102	006		3.2.0	R99	Removal of TFO and TrFO from Release 99, and removal of Initial Time Alignment		F		AMR speech Codec; Interface to Iu and Uu	S4
	26.102	006	1	3.2.0	R99	Removal of TFO and TrFO from Release 99, and removal of Initial Time Alignment		F		AMR speech Codec; Interface to Iu and Uu	S4
SP-010103	26.102	006	2	3.2.0	R99	Removal of TFO and TrFO from Release 99, and removal of Initial Time Alignment	approved	F	3.3.0	AMR speech Codec; Interface to Iu and Uu	S4
	26.102	008		3.2.0	Rel-4	Extension to Nb Interface		B		AMR speech Codec; Interface to Iu and Uu	S4
SP-010103	26.102	008	1	3.2.0	Rel-4	Introduction of TFO and TrFO	approved	B	4.0.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-010104	26.103	007		4.0.0	Rel-4	Simplification 0f the Optimisation Mode Field	approved	C	4.1.0	Codec lists	S4
	26.103	008		4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2		B		Codec lists	S4
	26.103	008	1	4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2		B		Codec lists	S4
SP-010104	26.103	008	2	4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2	revised	B		Codec lists	S4
SP-010199	26.103	008	3	4.0.0	Rel-4	Introduction of AMR-WB and UMTS_AMR_2	approved	B	4.1.0	Codec lists	S4
SP-010199	26.103	009		4.0.0	Rel-5	Introduction of AMR-WB	approved	B	5.0.0	Codec lists	S4
	26.110	002		4.0.0	Rel-4	Support of mobile multi-link operation in 3G-324M		C		Codec for Circuit switched Multimedia Telephony Service; General Description	S4

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SP-010105	26.110	002	1	4.0.0	Rel-4	Support of mobile multi-link operation in 3G-324M	approved	C	4.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description	S4
	26.110	003		3.0.1	R99	Correction of incorrect reference		F		Codec for Circuit switched Multimedia Telephony Service; General Description	S4
SP-010105	26.110	003	1	3.0.1	R99	Correction of incorrect reference	approved	F	3.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description	S4
	26.110	004		4.0.0	Rel-4	Correction of incorrect reference		A		Codec for Circuit switched Multimedia Telephony Service; General Description	S4
SP-010105	26.110	004	1	4.0.0	Rel-4	Correction of incorrect reference	approved	A	4.1.0	Codec for Circuit switched Multimedia Telephony Service; General Description	S4
	26.131	005		3.1.0	R99	Harmonisation of narrow-band acoustic requirements between 3GPP and GSM'		F		Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
SP-010106	26.131	005	1	3.1.0	R99	Harmonisation of narrow-band acoustic requirements between 3GPP and GSM'	approved	F	3.2.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
	26.131	006	1	3.1.0	Rel-4	Wideband acoustic requirements		B		Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
	26.131	006	2	3.1.0	Rel-4	Wideband acoustic requirements		B		Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
SP-010106	26.131	006	3	3.1.0	Rel-5	Wideband acoustic requirements	approved	B	5.0.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
	26.132	002		3.1.0	R99	Harmonisation of test methods for acoustics between 3GPP and GSM		F		Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
SP-010107	26.132	002	1	3.1.0	R99	Harmonisation of test methods for acoustics between 3GPP and GSM	approved	F	3.2.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
	26.132	003		3.1.0	Rel-4	Compatibility with testing wideband telephony transmission performance		B		Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
SP-010107	26.132	003	1	3.1.0	Rel-5	Compatibility with testing wideband telephony transmission performance	approved	B	5.0.0	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
SP-010108	26.230	001		4.0.0	Rel-5	Bug fix in source code of the CTM receiver	approved	F	5.0.0	Global text telephony; Cellular text telephone modem transmitter C-code description description	S4
	26.911	010		4.0.0	Rel-4	ITU-T V.80 support for 3G terminals				Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-010109	26.911	010	1	4.0.0	Rel-4	ITU-T V.80 support for 3G terminals	approved	B	4.1.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4

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SP-010023	32.005	005		3.3.1	R99	Correction/completion of ASN.1 module	approved	F	3.4.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-010023	32.005	006		3.3.1	R99	Correction for bulk transfer	approved	F	3.4.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
SP-010024	32.015	020		3.4.0	R99	Correct ASN.1 errors	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010024	32.015	021		3.4.0	R99	Correction of Requests Responded IE Type Value	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010024	32.015	022		3.4.0	R99	Correction/completion of ASN.1 module	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010024	32.015	023		3.4.0	R99	Correct ASN.1 errors	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010024	32.015	024		3.4.0	R99	Trigger for RNC volume report	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010024	32.015	025		3.4.0	R99	Correction of parameter ‘Served PDP Address’	approved	F	3.5.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010022	32.101	007		3.3.0	R99	Removal of Reference to 32.105	approved	F	3.4.0	3G Telecom Management principles and high level requirements	S5
SP-010026	32.102	007		3.2.0	R4	Add UMTS TMN conformance	approved	B	4.0.0	3G Telecom Management Architecture	S5
SP-010027	32.106-2	003		3.2.0	R99	Add Information Service QOS specification	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5
SP-010027	32.106-2	004		3.2.0	R99	Remove the reference to Relationship Change Notifications (ITU-T X.732)	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5
SP-010028	32.106-3	005		3.2.0	R99	Correct the IDL syntax error in the NotificationIRPSystem module	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010028	32.106-3	006		3.2.0	R99	Missing NV constant string for the Notify Alarm List Rebuilt reason attribute	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010028	32.106-3	007		3.2.0	R99	Add CORBA Quality of Service parameters	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5

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SP-010028	32.106-3	008		3.2.0	R99	Mismatched Notification Id type	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010028	32.106-3	009		3.2.0	R99	Use stringified IOR instead of type Object for manager_reference	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010028	32.106-3	010		3.2.0	R99	Mismatched SubscriptionId types	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010028	32.106-3	011		3.2.0	R99	Remove CosNotifyComm.idl not used in the module NotificationIRPSystem	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-010029	32.106-5	001		3.0.0	R99	UMTS Network Resource Model alignment with TSG RAN specifications	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	S5
SP-010029	32.106-5	002		3.0.0	R99	Correction of notifyObjectDeletion and notifyObjectCreation behaviour description	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	S5
SP-010030	32.106-6	001		3.0.0	R99	Remove TimeBase.idl not used in the module NotificationDefs	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010030	32.106-6	002		3.0.0	R99	Update get_basicCm_IRP_version to be consistent with Alarm IRP and Notification IRP	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010030	32.106-6	003		3.0.0	R99	Mismatched irpVersion types	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010030	32.106-6	004		3.0.0	R99	Update Basic CM IRP Iterator to be consistent with Alarm IRP Iterator	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010030	32.106-6	005		3.0.0	R99	Removing nested IDL modules	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5

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SP-010030	32.106-6	006		3.0.0	R99	Update Structured Event table to be consistent with Alarm IRP	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010030	32.106-6	007		3.0.0	R99	UMTS Network Resource Model alignment with TSG RAN specifications	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
SP-010031	32.106-7	001		3.0.0	R99	Making 32106-7 (CMIP SS) compliant to 32106-5 (IS/IM)	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	S5
SP-010031	32.106-7	002		3.0.0	R99	Update 32.106-7 based on CR 001 of 32.106-5 (S5-010133)	approved	F	3.1.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	S5
SP-010032	32.111-3	004		3.3.0	R99	Missing how "Notify Alarm List Rebuilt" reason attribute is located in Structured Event	approved	F	3.4.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010032	32.111-3	005		3.3.0	R99	Use alarmInformationBody in additionalInformation.ackTime	approved	F	3.4.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010131	33.102	135		3.7.0	R99	RES has to be a multiple of 8 bits	approved	F	3.8.0	Security Architecture	S3
SP-010131	33.102	136		3.7.0	R99	Add bit ordering convention	approved	F	3.8.0	Security Architecture	S3
SP-010131	33.102	137		3.7.0	R99	Timing of security mode procedure	approved	F	3.8.0	Security Architecture	S3
SP-010132	33.102	138		3.7.0	Rel-4	Add requesting node type to authentication data request	approved	C	4.0.0	Security Architecture	S3
SP-010132	33.102	139		3.7.0	Rel-4	Additional Parameters in Authentication Failure Report	approved	C	4.0.0	Security Architecture	S3
SP-010131	33.102	140		3.7.0	R99	Correction to the handling of re-transmitted authentication request messages on the ME	approved	F	3.8.0	Security Architecture	S3
SP-010131	33.102	141		3.7.0	R99	Optional Support for USIM-ME interface for GSM-Only ME	approved	F	3.8.0	Security Architecture	S3
SP-010131	33.102	142	1	3.7.0	R99	Definition corrections	approved	F	3.8.0	Security Architecture	S3
SP-010131	33.102	143		3.7.0	R99	GSM ciphering capability Handling in Security Mode set up procedure	approved	F	3.8.0	Security Architecture	S3
SP-010133	33.103	013		3.4.0	R99	Add bit ordering convention	approved	F	3.5.0	Security Integration Guidelines	S3
SP-010134	33.105	016		3.6.0	R99	Add bit ordering convention	approved	F	3.7.0	Cryptographic Algorithm requirements	S3
SP-010134	33.105	017		3.6.0	R99	RES has to be a multiple of 8 bits	approved	F	3.7.0	Cryptographic Algorithm requirements	S3
SP-010134	33.105	018		3.6.0	R99	Minimum clock frequency updated	approved	F	3.7.0	Cryptographic Algorithm requirements	S3
SP-010135	33.106	002		3.1.0	Rel-4	Update of TS 33.106 for release 4	approved	B	4.0.0	Lawful interception requirements	S3
SP-010136	33.106	003		3.1.0	Rel-5	Release 5 updates	approved	B	5.0.0	Lawful interception requirements	S3
SP-010137	33.107	002		3.1.0	R99	Correction of Location information parameters in interception event records	approved	F	3.2.0	Lawful interception architecture and functions	S3
SP-010146	33.107	003		3.1.0	Rel-4	Update of TS 33/107 for Release 4 - Inclusion of PS LI requirements	approved	B	4.0.0	Lawful interception architecture and functions	S3
TP-010036	03.19	A009		7.4.0	R98	Clarification of the SIM Toolkit Framework behaviour and API	approved	F	7.5.0	GSM API for SIM toolkit stage 2	T3

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TP-010036	03.19	A010		8.0.0	R99	Clarification of the SIM Toolkit Framework behaviour and API	approved	A	8.1.0	GSM API for SIM toolkit stage 2	T3
TP-010070	03.19	A011		7.4.0	R98	Clarification about ArrayIndexOutOfBoundsException	approved	F	7.5.0	GSM API for SIM toolkit stage 2	T3
TP-010070	03.19	A012		8.0.0	R99	Clarification about ArrayIndexOutOfBoundsException	approved	A	8.1.0	GSM API for SIM toolkit stage 2	T3
TP-010037	03.48	A015		8.4.0	R99	Clarification of the Anti Replay Counter management	approved	F	8.5.0	Security Mechanisms for SIM Toolkit Application ; Stage 2	T3
TP-010028	07.07	A086		6.4.0	R97	Corresponding GMM states for +CGREG command	approved	F	6.5.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-010028	07.07	A087		6.4.0	R97	Definition of "class C in GPRS and circuit switched alternate mode"	approved	F	6.5.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-010028	07.07	A088		7.5.0	R98	Corresponding GMM states for +CGREG command	approved	A	7.6.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-010028	07.07	A089		7.5.0	R98	Definition of "class C in GPRS and circuit switched alternate mode"	approved	A	7.6.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-010038	11.11	A127		8.4.0	R99	Addition to note for the iDEN file ID, "7F31'	approved	D	8.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-010038	11.11	A128		8.4.0	R99	Alignment between GSM 11.11 and TS 31.102 on default HPLMN RAT	approved	F	8.5.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-010038	11.14	A194		8.5.0	R99	Correction of Annex A: Support of USAT by Mobile Equipment	approved	F	8.6.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-010029	23.038	006		4.1.0	rel-4	Message Waiting Indication Status storage on the USIM	approved	C	4.2.0	Alphabets & Language	T2
TP-010029	23.040	020		4.1.0	rel-4	Predefined animations for EMS	approved	C	4.2.0	Technical realisation of Short Message Service	T2
TP-010029	23.040	021		4.1.0	rel-4	Message Waiting Indication Status storage on the USIM	approved	C	4.2.0	Technical realisation of Short Message Service	T2
TP-010027	23.057	041		3.3.0	R99	CCM update with new administrator signed package	approved	F	3.4.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	042		4.0.0	rel-4	TS11.11 reference updates	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	043		4.0.0	rel-4	Abbreviations	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	044		4.0.0	rel-4	CCPP web site in reference	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	045		4.0.0	rel-4	Capability and Content editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	046		4.0.0	rel-4	High level architecture editorial	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	047		4.0.0	rel-4	Java application signature verification editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	048		4.0.0	rel-4	QoS editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	049		4.0.0	rel-4	RFC references correction	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	050		4.0.0	rel-4	Root public keys correction	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2

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TP-010027	23.057	051		4.0.0	rel-4	Support of user profile editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	052		4.0.0	rel-4	Transfer of capability negotiation editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	053		4.0.0	rel-4	User control of application connection editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	054		4.0.0	rel-4	User profile editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	055		4.0.0	rel-4	X.509 version 3 editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	056		4.0.0	rel-4	WAP reference correction	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	057		4.0.0	rel-4	WAP compliance	approved	C	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	058		4.0.0	rel-4	Conformance requirements table update	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	059		4.0.0	rel-4	Correction to the definition of MIDP application	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	060		4.0.0	rel-4	Abbreviations	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	061		4.0.0	rel-4	Trust hierarchy figure correction	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	062		4.0.0	rel-4	Definition of the Untrusted Area	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	063		4.0.0	rel-4	Generic security editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	064		4.0.0	rel-4	CCM update with new administrator signed package	approved	F	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	065		4.0.0	rel-4	Executable pre-launch signature verification	approved	F	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	066	1	4.0.0	rel-4	Clarification of ORPK and ARPK support on MExE MT	approved	F	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	067		4.0.0	rel-4	Untrusted executable permission to access the network	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	068		4.0.0	rel-4	Capability negotiation updates	approved	C	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	069		4.0.0	rel-4	Correction to capability negotiation methods	approved	C	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	070		4.0.0	rel-4	WAP WTA	approved	C	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	071		4.0.0	rel-4	3GPP Document References update	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	072		4.0.0	rel-4	Annex A corrections	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	073		4.0.0	rel-4	Miscellaneous editorial corrections	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	074		4.0.0	rel-4	Definition of an Operator	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2

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TP-010027	23.057	075		4.0.0	rel-4	Mobile Execution Environment	approved	F	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	076		4.0.0	rel-4	Capability negotiation editorials	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	077		4.0.0	rel-4	Sharing of Transmissions between untrusted executables	approved	F	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010027	23.057	078		4.0.0	rel-4	Core software download	approved	D	4.1.0	Mobile Station Application Execution Environment (MExE)	T2
TP-010029	23.140	003		4.1.0	rel-4	High-level description of MMS - part II	approved	B	4.2.0	Multimedia Messaging Service (MMS)	T2
TP-010028	27.007	050		3.7.0	R99	Addition of explicit subscribed value to QoS command	approved	F	3.8.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	051		3.7.0	R99	Corresponding GMM states for +CGREG command	approved	A	3.8.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	052		3.7.0	R99	Definition of "class C in GPRS and circuit switched alternate mode"	approved	A	3.8.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	053		4.0.0	rel-4	Clarification of the specification to incorporate UICC/USIM references	approved	A	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	054		4.0.0	rel-4	Update the AT command, +CPBS, that select the phonebooks in the SIM/UICC	approved	F	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	055		4.0.0	rel-4	Correction of GSM references	approved	F	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	056		4.0.0	rel-4	Update the AT commands that access the PLMN preferred list in the SIM/UICC	approved	F	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	057		4.0.0	rel-4	Update of phonebook AT commands, +CBBS,+CPBR, +CPBF and +CPBW, to access the hidden phonebook entries	approved	F	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	058		4.0.0	rel-4	Addition of explicit subscribed value to QoS command	approved	A	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	059		4.0.0	rel-4	Corresponding GMM states for +CGREG command	approved	A	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.007	060		4.0.0	rel-4	Definition of "class C in GPRS and circuit switched alternate mode"	approved	A	4.1.0	AT command set for 3G User Equipment (UE)	T2
TP-010028	27.103	002		3.1.0	rel-4	Addition of SyncML	approved	B	4.0.0	Wide Area Network Synchronisation	T2
TP-010028	27.903	001		3.0.0	rel-4	Addition of SyncML	approved	B	4.0.0	Discussion of Synchronisation Standards	T2
TP-010038	31.102	065	3	3.4.0	R99	Correction and clarification of the APN Control feature	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	066		3.4.0	R99	Correction to default HPLMN RAT	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	067	2	3.4.0	R99	Clarification on EF(ANR), EF(SNE) and EF(EMAIL)	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	068	1	3.4.0	R99	Correction of the PROFILE download procedure	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	069		3.4.0	Rel-4	Clarification of EFARR access conditions	approved	F	4.0.0	Characteristics of the USIM Application	T3
TP-010038	31.102	070		3.4.0	R99	Indication of minimum clock frequency required by the USIM application	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	071		3.4.0	R99	General corrections	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	072		3.4.0	R99	Correction of the EF(UST) for Packet Domain	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	073		3.4.0	Rel-4	Introduction of the voicemail, message waiting and call forward indication features from the Common PCN Handset Specification (CPHS)	approved	C	4.0.0	Characteristics of the USIM Application	T3

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TP-010038	31.102	074		3.4.0	Rel-4	Introduction of the PLMN Network Name feature from the Common PCN Handset Specification (CPHS)	approved	C	4.0.0	Characteristics of the USIM Application	T3
TP-010038	31.102	075		3.4.0	Rel-4	Introduction of Operator PLMN List	approved	C	4.0.0	Characteristics of the USIM Application	T3
TP-010038	31.102	076		3.4.0	R99	Usage of 'FF' in the EF(PBR)	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010038	31.102	077		3.4.0	R99	Correction of EF(ANR) (CR number changed from CR 076)	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010068	31.102	078		3.4.0	R99	Correction of Tag values	approved	F	3.5.0	Characteristics of the USIM Application	T3
TP-010039	31.111	025		3.3.0	R99	Correction of TERMINAL PROFILE	approved	F	3.4.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	026		4.1.0	Rel-4	Correction of TERMINAL PROFILE	approved	A	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	027		4.1.0	Rel-4	Addition of UTRAN to the technology indicator	approved	F	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	028		4.1.0	Rel-4	Introduction of additional Access Technology Indicator values"	approved	C	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	029		3.3.0	R99	Correction of Annex A: Support of USAT by Mobile Equipment	approved	F	3.4.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	030		3.3.0	R99	Alignment with GSM 11.14 for reserved TIA/EIA-136 tags"	approved	F	3.4.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	031		3.3.0	R99	Correction of reference to GSM 02.40	approved	F	3.4.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	032		4.1.0	Rel-4	Correction of reference to GSM 02.40	approved	A	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	033		4.1.0	Rel-4	Addition of variable timeout to the Display Text command	approved	B	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	034		4.1.0	Rel-4	Correction to display parameters tag	approved	F	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	035		4.1.0	Rel-4	Use of USAT Bearer independent protocol for local links. Client use case.	approved	B	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	036		4.1.0	Rel-4	Use of USAT Bearer independent protocol for local links. server use case.	approved	B	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	037		4.1.0	Rel-4	Correction of Annex A: Support of USAT by Mobile Equipment	approved	A	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	038		4.1.0	Rel-4	Alignment with GSM 11.14 for reserved TIA/EIA-136 tags"	approved	F	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	039		4.1.0	Rel-4	Addition of variable timeout to GetInkey command	approved	B	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010039	31.111	040		4.1.0	Rel-4	Precisions on the PlayTone command	approved	C	4.2.0	USIM Application Toolkit (USAT)	T3
TP-010018	34.108	032		3.2.0	R99	Default radio conditions for multi-cell environment	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	033		3.2.0	R99	Correction for Generic Setup Procedures (34.108 clause 7.2)	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	034		3.2.0	R99	Corrections for Test USIM Parameters(34.108 clause 8)	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	035		3.2.0	R99	Correction of clause number in TS 34.108.	approved	D	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	036		3.2.0	R99	Update of authentication test algorithm	approved	C	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	037		3.2.0	R99	Updates to clause 9 of TS 34.108 v3.2.0	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	038		3.2.0	R99	Updating to TDD single mode	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010018	34.108	039		3.2.0	R99	Simulated network environments for TDD mode (SIB)	approved	F	3.3.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010019	34.121	056		3.3.0	R99	CR on Test tolerance for 6.5 Blocking Characteristics	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-010019	34.121	057		3.3.0	R99	CR on Test tolerance for 6.7 Intermodulation Characteristics	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	058		3.3.0	R99	CR on Test tolerance for 5.5.1 Test Tolerance for Transmit OFF power	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	059		3.3.0	R99	CR on Test tolerance for 6.6 Spurious Response	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	060		3.3.0	R99	CR on Test tolerance for 5.11 Test Tolerance for Transmit Spurious emissions	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	061		3.3.0	R99	CR on Test tolerance for Annex.F TS34.121	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	062		3.3.0	R99	CR on Test tolerance for 5.2 Maximum output power	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	063		3.3.0	R99	CR on Test tolerance for 5.4.3 Minimum Output Power	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	064		3.3.0	R99	CR on Test tolerance for 5.9 Spectrum Emission Mask	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	065		3.3.0	R99	CR on Test tolerance for 5.10 ACLR	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	066		3.3.0	R99	CR on Test tolerance for 5.12 Transmit Intermodulation	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	067		3.3.0	R99	CR on Test tolerance for 6.2 Reference Sensitivity Level	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	068		3.3.0	R99	CR on Test tolerance for 5.3 Frequency Error	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	069		3.3.0	R99	CR on Test tolerance for 5.8 Occupied Bandwidth	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	070		3.3.0	R99	CR on Test tolerance for 5.13.1 EVM	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	071		3.3.0	R99	CR on Test tolerance for 5.13.2 PCDE	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	072		3.3.0	R99	CR on Test tolerance for 5.4.4 Out of Synchronisation transmit power	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	073		3.3.0	R99	CR on Test tolerance for 6.4 ACS	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	074		3.3.0	R99	CR on Test tolerance for 6.8 RX Spurious Emissions	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	075		3.3.0	R99	CR on corrections to DL compressed mode	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	076		3.3.0	R99	CR on Corrections to DL 384kbps and BTFD measurement channels	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	077		3.3.0	R99	CR on Corrections to Maximum output power	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	078		3.3.0	R99	CR on RX spurious emissions	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	079		3.3.0	R99	CR on Editorial correction to channel number	approved	D	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010019	34.121	080		3.3.0	R99	CR Correction of Annex-E and reference information to Annex E	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-010019	34.121	081		3.3.0	R99	Editorial corrections	approved	D	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010076	34.121	082	1	3.3.0	R99	Regional requirements on Test Tolerance	approved	F	3.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010020	34.122	009		3.2.0	R99	Test tolerance for 5.7.1 TDD EVM	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	010		3.2.0	R99	Test tolerance for 5.7.2 TDD PCDE	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	011		3.2.0	R99	Test tolerance for 5.2 Maximum Output Power test case	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	012		3.2.0	R99	Test tolerance for 5.3 Frequency Stability	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	013		3.2.0	R99	Test tolerance for 5.4.2 Minimum Transmit Output Power	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	014		3.2.0	R99	Test Tolerance for 5.4.3 Transmit OFF power	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	015		3.2.0	R99	Test tolerance for 5.4.5 Out-of-synchronisation handling of output power	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	016		3.2.0	R99	Test tolerance for 5.5.1 Occupied Bandwidth	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	017		3.2.0	R99	Test tolerance for 5.5.2.1 Spectrum Emission Mask	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	018		3.2.0	R99	Test tolerance for 5.5.2.2 ACLR test case	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	019		3.2.0	R99	Test Tolerance for 5.5.3 Spurious emissions	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	020		3.2.0	R99	Test Tolerance for 5.6 Transmit Intermodulation	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	021		3.2.0	R99	Test Tolerance for 6.2 Reference Sensitivity Level	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	022		3.2.0	R99	Test Tolerance for 6.4 Adjacent Channel Selectivity	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	023		3.2.0	R99	Test tolerances to 6.5 Blocking Characteristics	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	024		3.2.0	R99	Test tolerances to 6.6 Spurious Response	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	025		3.2.0	R99	Test tolerances to 6.7 Intermodulation Characteristics	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	026		3.2.0	R99	Test Tolerance for 6.5 RX Spurious Emissions	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	027		3.2.0	R99	Test tolerance for Annex F in TS34.122	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	028		3.2.0	R99	Correction concerning the coexistence of TDD and FDD in the same band	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	029		3.2.0	R99	Clarification of the mentioned parameter alpha	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	030		3.2.0	R99	Correction concerning the channel number calculation	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-010020	34.122	031		3.2.0	R99	Correction concerning UE maximum output power classes	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010020	34.122	032		3.2.0	R99	Correction of Out-of-Sync criteria	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010021	34.123-1	048		3.2.0	R99	Idle mode test cases	approved	F	3.3.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-010021	34.123-1	049		3.2.0	R99	Updates to clause 8 of TS 34.123-1 version 3.2.0	approved	F	3.3.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-010021	34.123-1	050		3.2.0	R99	Update to GMM test case.	approved	F	3.3.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-010021	34.123-1	051		3.2.0	R99	Update to 16. SMS test specification	approved	D	3.3.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-010021	34.123-1	052		3.2.0	R99	Annex B: Update of versions of core specifications	approved	F	3.3.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-010022	34.123-2	007		3.2.0	R99	Update of Applicability statements for “Idle mode test cases”	approved	F	3.3.0	UE Conformance Specification, Part 2 – ICS	T1
TP-010022	34.123-2	008		3.2.0	R99	Updates to clause 4 of TS 34.123-2 version 3.2.0	approved	F	3.3.0	UE Conformance Specification, Part 2 – ICS	T1
TP-010022	34.123-2	009		3.2.0	R99	Update of Applicability statements for GMM	approved	F	3.3.0	UE Conformance Specification, Part 2 – ICS	T1

Annex G: Definition of Release 4, extracted from the Project Plan - version 01/03/30

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Tue 11/12/01	41%	No	No			Francois Courau
12	RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
1995	RAN3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
4	CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 03/01/00	Fri 23/03/01	99%	No	No		WI formulation assigned to N4	
859	CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1216	RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Tue 05/03/02	30%	No	No			
1509	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	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
1996	RAN4	Rel4	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 29/06/01	65%	Yes	Yes			H. Benn, Motorola
1222	RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Fri 28/09/01	63%	No	No			G. Yang, CWTS
1228	RAN3	Rel4	No	Iub/Iur protocol aspects	LCRTDD-IubIur	TSG	Mon 14/08/00	Fri 30/03/01	100%	Yes	Yes			Y. Liu, CWTS
9	RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 14/08/00	Wed 12/12/01	17%	No	No			
656	RAN3	Rel4	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Wed 12/12/01	52%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
655	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	RAN2	Rel4	No	RAB support enhancement - Robust Header Compression (ROHC)	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	M. Israelsson, A. Krishnarajah, Ericsson
1539	SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1652	CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Fri 28/12/01	72%	Yes	No			Mr Rouzbeh, Ericsson
1654	CN1	Rel4	No	For CS based calls	EMC1-CS	TSG	Mon 01/05/00	Tue 26/09/00	100%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1322	SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes			Alexander Milinski, Siemens
1340	SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 22/12/00	74%	Yes	Yes			
1637	SA1	NA	Yes	OSA enhancements	OSA1	TSG	Wed 28/06/00	Fri 30/11/01	71%	No	No	22.127, 23.127, 29.198-x, 29.998-x	WID by S1 obsolete/az 010316	Jörg Swetina, SIEMENS AG
1424	SA2	Rel4	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Mon 11/09/00	Fri 30/03/01	95%	No	No		New Network Service Capability Features (N-SCFs) and evolutions of existing ones, e.g. , Call Control SCF (Call Party Handling, SIP), Positioning SCF (see BB Location Services/LCS Application Interfaces), Terminal Capabilities SCF, Charging SCF, E-Commerc	
1445	T2	NA	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Fri 15/12/00	89%	Yes	Yes			
1447	SA3	Rel4	No	MExE Security	MEXE-SEC	TSG	Tue 22/02/00	Fri 15/12/00	66%	Yes	Yes		Presentation to S3 of R00 MExE: S3#14, Aug, Email discussion on threats and countermeasures, Aug, Threats and countermeasures analysis: MExE Aug, Presentation to S3 of threats and countermeasures analysis: S3#15, Sept, Feature specification: S3#16,	Colin Blanchard, BT
1810	T2	Rel4	No	MExE Rel4 Improvements and Investigations	MEXE-ENHANC	TSG	Mon 03/01/00	Fri 15/12/00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola
1541	CN4	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	100%	No	No		Lead given to CN4 from CN...	
112	CN4		No	OoBTC solution	TRFO-OOBTC	WG	Mon 03/01/00	Fri 30/03/01	100%	Yes	No			Tosshiyuki Tamura, NEC
1512	RAN3	Rel4	No	implementation in UTRAN	TRFO-OOBTC-UTRAN	TSG	Mon 11/09/00	Fri 30/03/01	100%	Yes	Yes	25.401, 25.410, 25.413, 25.415, 23.153	moved according to NP-000575	Alexander Vesely, Siemens
1631	SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	84%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
1818	T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	99%	No	Yes	22.140, 23.140		Josef Laumen, Siemens

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1826	T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Fri 21/12/01	63%	No	No			
1827	T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	71%	No	No	27.007		
1829	T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Fri 21/12/01	49%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
1536	SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 29/11/02	22%	No	No			Jan Kall, Nokia
523	SA2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	44%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 30/03/01	88%	No	No			
2229	T2	Rel4	No	CBS interactions	LCS1-CBS		Fri 14/04/00	Wed 14/03/01	100%	No	No	23.041		
1916	T2	Rel4	No	MExE interactions	LCS1-MEXE		Fri 14/04/00	Wed 14/03/01	0%	No	No	23.057		
1600	RAN	Rel5	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	Fri 28/12/01	40%	Yes	Yes			
1601	RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	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
1542	SA2	Rel4	No	TO BE RESTRUCTURED-Ensure reliable QoS for PS domain	QoSPS		Mon 03/01/00	Thu 21/06/01	30%	No	No		as a result propose QoS negotiation and reservation mechanisms to be used in UMTS	
1560	T3	NA	Yes	UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 23/03/01	97%	No	No			
1799	T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	97%	No	Yes	27.103	8/3/2001: CRs finalised at T3-18 for presentation to TP-11.	?, One2One
1800	T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 28/09/01	44%	No	No			
1801	T3	Rel4	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Fri 15/06/01	63%	No	Yes	27.103	8/3/2001: Stage one ready for presentation to TP-11 for approval. Stage 2&3 presented to TP-11 for info. End date extended to TP-12	Michael Meyer, G & D

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2034	T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		8/3/2001:Finalised CR presented to TP-11 for approval	Jean-Francois Rubon (Gemplus)
1571	SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 14/06/02	22%	No	Yes		Added BB UE authentication and rapporteur added	Peter Howard, Vodafone
2099	SA3	Rel4	No	UE triggered authentication during connections	SEC1-UETADC	TSG	Tue 14/03/00	Tue 14/03/00	0%	Yes	Yes		"Approved TSG SA #09; S3#17 TO BE DELETED (no supporting companies)"	Peter Howard, Vodafone
1587	SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	34%	Yes	Yes		May 01, Integration of sec archi, Feb 01, Complete CRs with S3 review, Apr 01, CRs to be approved at TSG, May 01. S3#17: No supporting companies	?
1588	SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	73%	Yes	Yes		Complete TSG#09 (09/2000). S3#17: No supporting companies	?
1583	SA3	Rel4	No	MAP application layer security	SEC1-MAPAL	TSG	Tue 22/02/00	Fri 21/09/01	38%	Yes	Yes			
1594	SA3	Rel4	No	Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/06/01	0%	Yes	Yes		Requirements capture, Aug , Definition of security architecture, CRs approved at TSG level, Dec. S3#17 behind schedule, Release to be determined S3#18	Sébastien Nguyen Ngoc, France Telecom
1142	SA5	Rel4	No	Charging and OAM&P (Master)	OAM		Fri 01/12/00	Thu 14/03/02	31%	No	No	32-series	az: WID appr.SA#10.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2071	SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	75%	Yes	No	32.800, 32.101, 32.102, 32.104, 32.106, 32.111	az: WID appr.SA#10.	Bert Boden (Mannesmann Mobilfunk)
1993	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	0%	Yes	Yes		"""Joker"" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system"	
2230	CN1	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	3%	No	No		Approved in TSGN_10	Sonia Garapaty
2310	GERAN	Rel4	No	GERAN improvements 1	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	GERAN	Rel4	No	GERAN improvements 2	GEIMP2	TSG	Mon 06/11/00	Mon 02/04/01	80%	No	No			
2324	GERAN	Rel4	No	GERAN improvements 4		TSG	Mon 15/01/01	Fri 06/04/01	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2403	GERAN	Rel4	No	700 MHz spectrum support			Mon 03/01/00	Fri 08/06/01	89%	No	No			
2463	CN	Rel4	No	ODB (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

Annex H: Current content of Release 5, extracted from the Project Plan - version 01/03/30

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Tue 11/12/01	41%	No	No			Francois Courau
625	RAN3	Rel5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 30/03/01	68%	Yes	Yes			Nicolas Drevon, Alcatel
2257	RAN3	Rel5	No	Evolution of transport in UTRAN and GERAN	ETRANG	TSG	Mon 05/03/01	Tue 11/12/01	0%	No	No			
4	CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 03/01/00	Fri 23/03/01	99%	No	No		WI formulation assigned to N4	
2455	CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 03/01/00	Mon 03/01/00	0%	No	No			
2476	RAN2	Rel5	No	High Speed Downlink Packet Access		TSG	Mon 02/04/01	Fri 28/12/01	0%	No	No			Ravi Kuchibhotla, Motorola
2481	RAN2	Rel5	No	Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN		TSG	Mon 09/07/01	Fri 28/06/02	0%	No	No		"This should be part of a feature in SA and is otherwise not valid; start and finish dates have no meaning yet"	Dimitris Koulakiotis, Nokia
1216	RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Tue 05/03/02	30%	No	No			
1470	RAN1	Rel5	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 28/12/01	0%	Yes	Yes			tbd by RAN WG1
1471	RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 28/09/01	61%	Yes	Yes			A. Toskala, Nokia
1217	RAN2	Rel5	No	Hybrid ARQ II/III	RInImp-HARQ	TSG	Mon 21/08/00	Fri 28/09/01	7%	Yes	Yes			A. Sitte, Siemens
1218	RAN2	Rel5	No	Improved usage of downlink resource in FDD for CCTrCHs of dedicated type	RInImp-CCTrCH	TSG	Mon 09/10/00	Fri 28/09/01	0%	Yes	Yes		"12/12 Hans: moved to Rel-5; time line changed after decision in RAN#10"	N. Pereira, C. Mihailescu, Nortel Networks
1507	RAN1	Rel5	No	Terminal Power Saving features	RInImp-TPS	TSG	Mon 19/06/00	Tue 11/12/01	80%	Yes	Yes			M. Park, Samsung
2467	RAN4	Rel5	No	UMTS 1900	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 21/09/01	0%	No	No			Howard Benn, Motorola
2468	RAN1	Rel5	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 05/03/02	0%	No	No			Howard Huang, Lucent
2469	RAN1	Rel5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Tue 11/12/01	0%	No	No			Jaeyoel KIM, Samsung
2470	RAN1	Rel5	No	Gated DPCCH Transmission	RInImp-GatedDPCCH	TSG	Fri 16/03/01	Tue 18/09/01	0%	No	No			Ju Ho Lee, Samsung
2471	RAN1	Rel5	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Tue 11/12/01	0%	No	No			Robert Love, Motorola
1506	RAN1	Rel5	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 21/12/01	7%	Yes	Yes			tbd by RAN WG1

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1221	RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	40%	Yes	Yes			D. Kim, SK Telecom
2494	RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement		TSG	Mon 19/03/01	Fri 21/09/01	0%	No	No		The SI sheet hasn't been presented yet	
9	RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 14/08/00	Wed 12/12/01	17%	No	No			
2488	RAN3	Rel5	No	RL Timing Adjustment	RANimp-RRMopt-RLTA	TSG	Fri 16/03/01	Wed 12/12/01	0%	No	No			Elena Voltolina, Ericsson
2489	RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-RRMopt-SepRR	TSG	Fri 16/03/01	Wed 12/12/01	0%	No	No			Gert-Jan van Lieshout, Ericsson
2490	RAN3	Rel5	No	Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Wed 12/12/01	0%	No	No			Antti Toskala, Nokia
2491	RAN3	Rel5	No	Traffic Termination Point Swapping	RANimp-TTPS	TSG	Fri 16/03/01	Wed 12/12/01	0%	No	No			Antti Toskala, Nokia
624	RAN2	Rel5	No	RAB support enhancement - except Robust Header Compression (ROHC)	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	5%	Yes	Yes		"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
1680	RAN	Rel5	No	Header compression removal/stripping in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
1686	RAN	Rel5	No	Unequal error protection in PS domain in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN	
2472	RAN1	Rel5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Tue 11/12/01	0%	No	No			Jinling HU, CWTS/CATT
1273	SA1	Rel5	No	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Mon 03/06/02	23%	Yes	Yes		S1 WI proposed S1-000290...	Mark Cataldo, Motorola
1652	CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Fri 28/12/01	72%	Yes	No			Mr Rouzbeh, Ericsson
1653	CN1	Rel5	No	For IP & PS based calls	EMC1-PS	TSG	Mon 03/04/00	Fri 28/12/01	71%	Yes	Yes		CN1#15: REMOVE ID 2101-Emergency call recalling capability enhancement	Mr Rouzbeh, Ericsson
1517	SA2	NA	Yes	Global Text Telephony	GTT	TSG	Wed 28/06/00	Fri 07/12/01	21%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson
2240	SA2	Rel5	No	Minimum solution			Wed 28/06/00	Fri 08/06/01	42%	No	No			
2239	SA2	Rel5	No	Improvements of GTT			Mon 09/10/00	Fri 07/12/01	0%	No	No			
1367	SA1	NA	Yes	VHE enhancements	VHE1	TSG	Mon 07/08/00	Tue 19/02/02	13%	No	No			Jumoke Ogunbekun, Fujitsu Europe
1368	SA2	Rel5	No	Detailed definition of the VHE user profile	VHE1-USERP	WG	Mon 07/08/00	Fri 18/01/02	20%	No	No			
2104	SA2	Rel5	Yes	Extensions to existing (and possibly new) toolkits	VHE1-TLKT1	WG	Mon 02/04/01	Tue 05/02/02	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2108	SA2	Rel5	Yes	Interaction between toolkits to enable IP multimedia services	VHE1-IMS	WG	Mon 02/04/01	Tue 05/02/02	0%	No	No			
2112	SA2	Rel5	Yes	Transparent roaming for services	VHE1-RMG	WG	Mon 16/04/01	Tue 19/02/02	0%	No	No			
1637	SA1	NA	Yes	OSA enhancements	OSA1	TSG	Wed 28/06/00	Fri 30/11/01	71%	No	No	22.127, 23.127, 29.198-x, 29.998-x	WID by S1 obsolete/az 010316	Jörg Swetina, SIEMENS AG
1429	SA2	Rel5	No	OSA APIs for MuMa CC	OSA1-CSCF	TSG	Mon 18/09/00	Fri 06/04/01	93%	No	No		For Rel5 even if completed by March	
1419	SA3	Rel5	No	OSA security	OSA1-SEC	TSG	Wed 28/06/00	Fri 10/08/01	64%	Yes	Yes		Christophe to contact BT and Ericsonn in S3 and S1	Colin Blanchard, BT
1433	SA2	Rel5	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Mon 25/09/00	Fri 30/11/01	44%	No	No			
1638	SA1	Rel5	No	CAMEL phase 4	CAMEL4		Mon 03/01/00	Fri 21/12/01	40%	No	No		S1 or N2 responsibel for the WID ? / Per 7/3-01...	Michele Greche, Lucent Technolgies
2464	T2	NA	No	MExE enhancements Rel-5	MEXE5	TSG	Wed 21/02/01	Mon 17/12/01	0%	Yes	Yes			
2465	T2	Rel5	No	MExE Rel-5 Security Analyisis	MEXE5-SEC	TSG	Wed 21/02/01	Mon 17/12/01	0%	Yes	Yes	33.102, 22.057, 23.057		Andrew Myers, BT
2466	T2	Rel5	No	MExE Rel-5 Improvements and Investigations	MEXE5-ENHANC	TSG	Mon 26/03/01	Mon 17/12/01	0%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola
1625	SA4	Rel5	No	Wideband Telephony Service - AMR (Master)	AMRWB	TSG	Sat 01/01/00	Fri 07/12/01	18%	No	No			Imre Varga, Siemens AG
1826	T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Fri 21/12/01	63%	No	No			
1829	T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Fri 21/12/01	49%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1831	T2	Rel5	No	vObjects and Other Constructs for Use in Data Synchronisation	TI-SYNC-VOBJ	TSG	Tue 16/05/00	Fri 21/12/01	26%	No	Yes	27.104	FR: moved from Rel4 to Rel5 at T2#12	Rob Lockhart, Motorola
1536	SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 29/11/02	22%	No	No			Jan Kall, Nokia
1171	SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 22/06/01	56%	No	No			
1600	RAN	Rel5	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	Fri 28/12/01	40%	Yes	Yes			
2457	RAN2	Rel5	No	UE positioning enhancements - other methods	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 28/12/01	24%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
2474	RAN2	Rel5	No	UE positioning enhancements for 1.28 Mcps TDD		TSG	Mon 09/04/01	Fri 28/12/01	0%	No	No			Xiaohua Mei, CATT

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2475	RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning		TSG	Mon 09/04/01	Fri 28/12/01	0%	No	No			Antti Toskala, Nokia
2125	RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 29/06/01	0%	No	No		Change of responsible group	Kirk Burroughs, Qualcomm
1800	T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 28/09/01	44%	No	No			
1566	T3	Rel5	No	Enhancements to (U)SIM toolkit secure messaging	USAT1-SM	TSG	Mon 02/04/01	Fri 27/07/01	0%	Yes	Yes	27.103	8/3/2001: Work not started as of T3-18, therefore changed to rel-5.	Daniel Erricson, Across Wireless
1802	T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 28/09/01	7%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
2031	T3	Rel5	No	Multos API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 28/09/01	7%	Yes	Yes			
1571	SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 14/06/02	22%	No	Yes		Added BB UE authentication and rapporteur added	Peter Howard, Vodafone
1572	SA3	Rel5	Yes	Protection for user plane data	SEC1-PUPD	TSG	Mon 14/02/00	Fri 22/06/01	0%	Yes	Yes			Stuart Ward, Orange
1576	SA3		Yes	Network domain security	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/09/01	29%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18)	Geir M. Køien, Telenor
1577	SA3	Rel5	No	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)	SEC1-NDS		Mon 21/02/00	Thu 21/06/01	35%	No	No			
1580	SA3	Rel5	No	User plane protection in core network (e.g., provided by IPsec)	SEC1-NDS		Mon 21/02/00	Thu 21/06/01	35%	No	No		S3#17: Not started	
1595	SA3	Rel5	No	FIGS	SEC1-FIGS		Mon 03/01/00	Fri 22/06/01	0%	No	No		14/9/00: work behind schedule - WID modification agreed at SA#10	SP-000628
1365	SA2	Rel5	No	Support of Push Services	PUSH	TSG	Fri 12/05/00	Fri 22/06/01	45%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
2062	SA5	Rel5	No	Subscription Management	SM	TSG	Fri 29/12/00	Thu 21/06/01	30%	Yes	Yes	32.140, 22.057 (S1), 23.057 (T2), 32.101, 32.106	az: WID appr.SA#10.	Geoffrey CARYER (BT)
2243	SA2	Rel5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	MULCN	TSG	Mon 02/10/00	Wed 12/12/01	14%	No	No		No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson
2320	GERAN	Rel5	No	GERAN improvements 3	GEIMP3	TSG	Mon 06/11/00	Fri 01/06/01	0%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	Alain Ohana, BellSouth

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2330	GERAN	Rel5	No	GERAN support for IP multimedia		TSG	Mon 01/05/00	Fri 07/12/01	35%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
2345	GERAN	Rel5	No	Alignment of 3G functional split and Iu		TSG	Mon 07/08/00	Fri 07/12/01	31%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
2392	GERAN	Rel5	No	GERAN enhancements for streaming services 1			Mon 06/11/00	Fri 01/06/01	43%	No	No			
2396	GERAN	Rel5	No	GERAN enhancements for streaming services 2			Mon 06/11/00	Fri 01/06/01	29%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
2412	GERAN	Rel5	No	GERAN/UTRAN interface evolution 1			Mon 06/11/00	Fri 08/06/01	53%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC
2416	GERAN	Rel5	No	GERAN/UTRAN interface evolution 2			Mon 06/11/00	Fri 08/06/01	53%	No	No			
2499	SA1	Rel5	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Thu 20/12/01	0%	No	No			Mark Cataldo, Motorola
2507	SA1	Rel5	No	Display of Service Provider name on UE	SPNAME	TSG	Mon 25/12/00	Thu 20/12/01	17%	No	No			Michele Zarri, One to One
2493	RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE		TSG	Mon 12/03/01	Fri 21/09/01	0%	No	No		RP-010260, the title of the SI may change	Shimon Moshavi, Intel