Technical Specification Group Services and System Aspects

Draft Report

Meeting #20, Hämeenlinna, Finland

Version 0.0.4

09-12 June 2003

Source:	**Secretary TSG SA (M. Pope, MCC)**
Title:	**Draft Report of meeting #20 - Version 0.0.4**
Status:	**Draft for comment**

Draft Report
Contents

1   Opening of the meeting

The Chairman opened the meeting and welcomed delegates to Hämeenlinna, Finland. The Hosts, Nokia welcomed everybody to the meeting venue and provided information about the domestic arrangements for the meeting.

2   Approval of the Agenda

TD SP-030196 Draft Agenda for TSG SA meeting #20. The TSG SA Chairman introduced the draft agenda which was approved without change.

The TSG SA Chairman reminded delegates of their Member Company responsibilities regarding the 3GPP IPR Policy.

3   Approval of the meeting report of TSG SA Meeting #19

TD SP-030197 Draft Report of TSG SA meeting #19, version 0.0.5. This showed changes made from the version distributed for comment and had not received any major changes. The report was then approved.

4   Items for immediate consideration

There were no specific contributions under this agenda item.

5   Reports from TSG SA ad-hoc meetings and workshops

There were no specific contributions under this agenda item.

6   Letters / Reports from other groups

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

TD SP-030323 Draft Summary minutes, decisions and actions from 3GPP PCG Meeting#10, Ottawa, 2 May 2003. This was introduced by the TSG SA Chairman (see report below TD SP-030324).

TD SP-030324 Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#9, Ottawa, 2 May 2002. This was introduced by the TSG SA Chairman.

Budget and cost-saving issues were of the most significance to TSG SA discussed in the meeting. It was reported that MCC Support could only be guaranteed for up to one WG meeting between TSG Plenary meetings (i.e. each 3 months at present). This is both due to the travel costs and the human resources needed to support the current large number of meetings, which often run in parallel. It was clarified that WGs could hold more meetings between TSG Plenary meetings, but these extra meetings may not be supported by MCC. It would be possible to request exceptions from the PCG in order to efficiently progress important topics.

It was also reported that costs should be taken into account when choosing meeting venues, and that meeting room requests are kept reasonable and necessary for parallel sessions, etc.

Concerning joint sessions and co-located meetings with 3GPP2 groups, it was stressed that the requirement to inform the 3GPP TSG of the intention for such a meeting for co-ordination purposes. It was stressed that this was **not** intended to prevent such co-ordinating joint meetings from taking place. It was also clarified that the WG leadership should ideally ask the WG whether such meetings were necessary and acceptable, but the Leadership may need to make the decision in some cases, e.g. due to urgency of the decision.

Delegates were invited to read the reports of the PCG and OP meetings.

The Reports were then noted.

6.2   Partners and their bodies

There were no specific contributions under this agenda item.

6.3   Others

There were no specific contributions under this agenda item.

7   Reports from TSG SA Working Groups

7.1   TSG SA WG1

7.1.1   Report from TSG SA WG1 and review of progress

TD SP-030237 Status report of SA WG1 to SA #19. The Status report from SA WG1 was presented by the SA WG1 Chairman, using the slides provided in TD SP-030236.

Slide 20 (MBMS): MBMS requirements definition. It was commented that SA WG1 requirements work on Codecs is an SA WG4 issue and SA WG4 should postpone work on MBMS Codecs until the SA WG1 requirements are defined. The TSG RAN Chairman also reported that their were potential RAN issues with the final SA WG1 requirements, as this could impact the extra work needed in TSG RAN. The TSG GERAN Chairman also reported that the final requirements specification would probably require some *design guidelines* in order to design or choose an appropriate bearer. It was noted that there is no SA WG1 Work Item to define the MBMS Requirements and the need for this should be discussed between SA WG1 and SA WG4.

Slide 20 (OSA): The TSG CN Chairman reported that no progress had been made in 6 months and were considering the TSG CN work. The SA WG1 Chairman reported that all the WIs had been deleted except the API work (This was to be confirmed off-line). It was further clarified that their was some support for removing the API work, but it had been agreed to allow some time for input to this work, and to delete it if no progress is made.

Slide 14: It was clarified that SA WG1 had filtered the GSA requirements for items relevant to their work.

Slide 17: It was clarified that no agreement could be achieved at SA WG1 on speech reconstruction and so they had decided to bring the issue to TSG SA (the requirement, if agreed, may be needed to be used as part of the Codec Selection). The CR to 22.243 TD SP-030261 was considered in relation to this. There was objection to the content of this CR as it was argued that this imposed a large overhead in terms of memory and processing power on the Terminal, which has to reconstruct the speech from the output of the Codec. It was also recognised that this was not a Category "F" CR as it added a new requirement. It was commented that adding new requirements at this stage changes the goals and could have an impact in the timing of Rel-6. **SA WG4 were asked to assess the Codecs ability to reconstruct speech** ~~as part of the Evaluation work~~.

The principle of the requirement was accepted, and SA WG4 were asked to take it into account when reviewing Codecs, but the detailed wording of the CR needed further work. The CR was therefore rejected and SA WG1 were asked to review it taking into account the comments received.

Slide 19: SA WG1 requested guidance for the progress towards approval of TR 22.800, as SA WG1 could not agree whether the structure is adequate for the TR. SA WG1 have made no progress on agreeing the content of the TR for 6 months and the Chairman asked TSG SA whether the current structure would be acceptable for the approval of the TR as guidelines and information on the Scenarios.

It was agreed that, considering that this is an internal 3GPP Report and that SA WG1 could not progress the content any further, the current structure and conclusions of the Report was acceptable to TSG SA and it should be editorially updated by SA WG1 and provided at the next TSG SA meeting for approval. TSG SA do not expect any further maintenance or technical work on this TR. It was intended that after this, the Work Item would then be closed.

It was noted that if a Work Item is proposed to TSG SA as a result of the information given in TR 22.800, then the support received for the work would provide a guideline for the likelihood of the work becoming completed and approved.

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

7.1.2 Questions for advice from TSG SA WG1

TD SP-030199 LS (from SA WG1) on SA WG2 LS on IP session control API. This LS was provided for information and was noted.

TD SP-030200 LS (from SA WG1) on terminal MMS capability discovery prior MM notification. This LS was provided for information and was noted.

TD SP-030201 LS from SA WG1: Clarification on MNP for Pre-paid Subscribers. This LS was related to the CRs from CN WG4 in TD SP-030263. The action had therefore been fulfilled by TSG SA and the LS was then noted.

7.1.3 Approval of contributions from TSG SA WG1

CRs:

TD SP-030261 CR to 22.243 on reconstructed speech (Rel-6). This was discussed under agenda item 7.1.1 as part of the speech reconstruction requirements discussion and was rejected pending further discussion in SA WG1 taking comments into account and SA WG4 Codec Evaluation.

TD SP-030238 CRs to 22.038 on Cleanup of USAT requirements (R99/Rel4/5). These CRs were approved.

TD SP-030239 CR to 22.101 on Emergency calls in data only network (R99/Rel4/5). This CR was approved.

TD SP-030240 CRs to 21.905 on Update to vocabulary document (Rel-4/5/6). crs

TD SP-030241 CRs to 22.042 on Alignment of NITZ with implementation (Rel-4/5). These CRs were approved.

TD SP-030242 CRs to 22.066 on Charging requirements in an NMP environment (Rel-5/6). CN WG4 provided two revised CRs in TD SP-030263 which were reviewed. 22.066CR005r1 and CR006r1 were approved.

TD SP-030243 CRs to 22.115 on Charging requirements in an NMP environment (Rel-5/6). CN WG4 provided two revised CRs in TD SP-030263 which were reviewed. 22.115 CR 012r1 and CR 013r1 were approved.

TD SP-030244 CR to 22.101 on Tidy-up of Subscriber Identification requirements (Rel-5/6). The Clause numbering in this CR was incorrect and could lead to wrong implementation. The document was therefore revised in TD SP-030351 which was approved.

TD SP-030245 CRs to 22.115 on SMS on GPRS and GSM, charging aspect (Rel-5). These CRs were approved.

TD SP-030246 CR to 22.140 on MMS support on the USIM (Rel-5/6). A related LS had been received from T WG2 on this CR in TD SP-030208, which was considered. T WG2 requested the rejection of the Rel-6 CR. SA WG1 considered that if this was not included in Rel-5 then there was no advantage of including this in Rel-6. The CRs in TD SP-030246 were then rejected.

TD SP-030247 CR to 21.905 on 3GPP Generic User Profile (Rel-6). This CR was approved.

TD SP-030248 CR to 22.011 on Network selection in shared networks (Rel-6). This CR was approved.

TD SP-030327 CRs to TS 22.011 and 22.041 on WLAN (Rel-6). These CRs were approved.

TD SP-030250 CRs to 22.038 to (U)SIM toolkit commands for MMS (Rel-6). It was noted that the second part of the Reason for change was included in error. The CR allows the MM Context to be sent directly by the ME. It was requested that the use-cases should be included in the reasons for change to help the understanding in future. It was decided that this should be re-considered along with the related (withdrawn) CR in TD SP-030246 which provided the USIM storage used by this CR. The CR was revised in TD SP-030333 which was further discussed and it was agreed that the last part of the second sentence on MMS Storage should be removed. The CR was further updated in TD SP-030355 which was approved.

TD SP-030251 CR to 22.067 on Priority Service Alignment (Rel-6). This CR was approved as a Category "**F**" CR.

TD SP-030252 CRs to 22.071 on various subjects (Rel-6). These CRs were approved.

TD SP-030253 CRs to 22.101 on Emergency Call requirements (Rel-6). It was noted that there were liaisons ongoing between CN WG1 and SA WG1 and it was agreed that these CRs should be postponed to the next meeting and reviewed taking into account the agreements reached. **Delegates were asked to provide constructive input to complete these CRs**.

TD SP-030254 CR to 22.105 on Service Based Local Policy Requirements (Rel-6). This CR was approved.

TD SP-030255 CR to 22.127 on Removal of features from OSA (Rel-6). This CR was approved.

TD SP-030256 CRs to 22.140 on Multimedia Messaging (Rel-6). These CRs were approved.

TD SP-030257 CRs to 22.140 on Multimedia Messaging from email approval (Rel-6). These CRs were approved.

TD SP-030259 CRs to 22.228 on IMS (Rel-6). These CRs were approved.

TD SP-030260 CR to 22.243 on Speech recognition framework for automated voice services (Rel-6). These CRs were approved.

TD SP-030322 CR to 22.071 on Routing of Emergency Calls based on Geographic Coordinates. It was confirmed that the version number for the CR was 6.3.0, as on the cover sheet and not in the Page headers. This CR was approved.

7.2   TSG SA WG2

7.2.1   Report from TSG SA WG2 and review of progress

TD SP-030296 SA WG2 Status Report to TSG SA #20. The Status report from SA WG2 was presented by the SA WG2 Chairman.

Slide 22: It was clarified that there is already work ongoing on IPv6 in IETF and SA WG2 have reviewed the drafts and are satisfied with the direction of the architecture work. 3GPP members are encouraged to progress the work in the IETF in order to speed up the work.

The SA WG2 Chairman was thanked for his report, which was then noted.

TD SP-030325 Concern over SA WG2 CR handling. This was introduced by Motorola and discussed the current practices used by SA WG2 in their handling of CRs and the extensive use of e-mail approval with a view to improve the work of SA WG2. It provided many instances of errors with the CRs presented to this meeting as an example of the consequences of these procedures.

The TSG RAN Chairman supported this contribution and reported problems in TSG RAN where documents for e-mail approval (e.g. Liaisons to other groups) are not available for the meeting in good time. It was suggested that the documents should be provided to SA WG2 meetings in good time in order to give delegates time to consider them before the meetings. Finalising e-mail approval of inputs just before the TSG Plenary meetings was also considered an unreasonable process. The SA WG2 Chairman agreed to investigate this.

It was also recognised that the large number of clashing CRs was largely due to the large number of meetings being held between TSG Plenary meetings. It was recognised that SA WG2 are performing a lot of work and it was proposed that SA WG2 should not be afraid to inform TSG SA when they cannot complete all the work in the allocated time. In this way some priority could be given to the more important work.

It was agreed that the problems would be considered off-line and the best solution found to provide consistent CRs to the meeting for approval. The contribution was then noted and SA WG2 were asked to take this into account in their future working procedures.

A response describing the proposed way forward was provided in TD SP-030342 (see 7.2.3 CRs below).

7.2.2 Questions for advice from TSG SA WG2

TD SP-030202 LS (from SA WG2) on Review of the Speech Enabled Services part of the 3GPP work plan. This LS was provided for information and was noted.

TD SP-030203 LS (from SA WG2) on Specifications not yet under change control, but pertaining to frozen Releases. This LS was provided for information and was noted.

TD SP-030204 Reply LS (from SA WG2) on 'Charging Implications of 3GPP System – WLAN Interworking'. This LS was provided for information and was noted.

TD SP-030205 Reply LS (from SA WG2) to GERAN LS on impact of 'Early UE handling' (GP#14(03)0928). The reply to this LS was provided in TD SP-030262 which was considered with this LS. This LS was then noted.

TD SP-030262 LS (from GERAN WG2) on Stage 3 work for Early UE handling. This LS was provided for information and was noted. The LS will be provided also to the next SA WG2 meeting.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-030299 CRs On 23.002 (Network Architecture). These CRs were approved.

TD SP-030300 CRs On 23.107 (QoS). These CRs were approved.

TD SP-030301 CRs On 23.141 (Presence). These CRs were approved. It was agreed that 23.141 CR051r1 should be Category "**F**".

TD SP-030302 CRs On 23.207 (End to end QoS). These CRs were approved.

TD SP-030342 Resolved Concerns over SA WG2 CR handling. This was introduced by the SA WG2 Chairman and proposed the following way forward:

TD SP-030297: 18 CRs in the 23.060 pack:

-     Approve 447, 448, 449 with the comment that the **headers are incorrect**.

-     Approve CR 452 with the comment that the **cover sheet is incorrect**.

-     431r2 and 446 can be approved with the comment that the **headers are incorrect**.

-     Approve 446 and agree that the principles in CR442r4 is agreed by TSG SA and **SA WG2 task is just to reword the CR to make it unambiguously implementable**.

-     **442r4 is sent back to SA WG2 according to previous comment.**

- Approve CR435r2 and give an action to **SA WG2 to create the Rel-6 for next SA plenary**.

The revised CRs were presented in TD SP-030343 which was approved.

TD SP-030298 CRs On 23.171 and 23.271(LCS Stage 2):

- Approve the word version and ask **MCC to modify the CR tools to avoid the header problem**.

- Approve 166r2 with the comment that the **cover sheet should have shown impacts on 7.4, 7.5 and 9.1.1**.

- Merge CR's CR 155R10 and CR 184r3, new version available in TD SP-030345.

- CR 182R3 appears to be a Cat A and not a Cat F as marked. The cover sheet needs to be updated. Analysis: It's not a pure mirror CR, different changes in R5 and R6 i.e. only for GERAN A/Gb in R5. **No change needed**.

- Approve CR176, CR177, CR181r3 and CR182r3 with no changes (as indicated in the CR's the sentence in 9.1.5.3 from CR176 and CR177 shall be added after the sentence added by CR181r3 and CR182r3 shall be included).

- Approve 166r2 with the comment that **7.4 is impacted and new section 7.5 is added**.

- **Consequence for CR pack:** CR155r10 and 184r3 merged to CR155r11, new CR available in TD SP-030345 and new CR pack available in TD SP-030344 (see below).

TD SP-030345 CR155r11 to 23.271: Addition of Mobile-based change of area event to deferred location request. This CR was approved.

TD SP-030344 CRs On 23.171 and 23.271(LCS Stage 2). These CRs were approved.

TD SP-030303 CRs On 23.228 (IMS Stage 2):

- Approve CR292r2 with the comment that the **cover sheet version is wrong**.

- Approve CR 317r1 and CR318r2 with the comment that **5.2.2.3, 5.2.2.4 and 5.2.2.5 are not impacted**.

- Approve CR 311r1 and CR319 with the comment that the **header is incorrect**.

- Approve CR 297r3 with the comment that **5.14.2 and 5.14.3 are missing from cover sheet**.

- **Consequence for the CR pack:** no revision needed TD SP-030303 can be approved as is, with the comments above noted in the minutes.

TD SP-030303 CRs On 23.228 (IMS Stage 2). These CRs were approved.

TD SP-030304 CRs On 23.895 (Early UE handling):

- Approve CR with the comment that the **header is incorrect.**

- **Consequence for the CR pack:** no revision needed TD SP-030304 can be approved as is, with the comments above noted in the minutes

TD SP-030304 CRs On 23.895 (Early UE handling). These CRs were approved.

WIDs:

TD SP-030306 WID for Gq interface specification for Dynamic Policy control enhancements. This WI description was approved.

TD SP-030308 Proposed WID on "Bandwidth and Resource savings and Speech enhancements for CS networks". This WI description was approved. It was noted that the Rapporteur for this WI will be provided by T-Mobile.

TD SP-030307 Updated Work Item Description: PS domain and IM CN subsystem support for IMS Emergency sessions. This revised WI description was approved.

TD SP-030309 Revised WID for IMS Stage-2 Enhancements. This revised WI description was revised to add a CN WG4 cross reference and provided in TD SP-030337 which was approved.

TSs and TRs:

TD SP-030311 TR 23.835 v.1.0.0 for information. This TR was provided for information and was noted. Delegates were asked to consider the content of this TR and provide any comments to SA WG2 before it is presented to TSG SA for approval.

TD SP-030312 TS 23.246 v.1.0.0 for information. It was noted that there were many editors notes and "ffs" parts which should be removed as far as possible before presentation for approval to TSG SA. This TS was provided for information and was noted. Delegates were asked to consider the content of this TS and provide any comments to SA WG2 before it is presented to TSG SA for approval.

TD SP-030313 TS 23.234 v.1.10.0 for information. It was noted that Scenario 3 is expected to be agreed and presented in September 2003. This TS was provided for information and was noted. Delegates were asked to consider the content of this TS and provide any comments to SA WG2 before it is presented to TSG SA for approval. SA WG2 were asked to finalise the document and to try to agree on one of the tunnelling options before presentation to TSG SA #21 for approval. If necessary, SA WG2 can ask TSG SA to make a decision on unsolvable issues, if a clear description of the problem and solutions is provided.

TD SP-030310 TS 23.240 v.2.0.0 for approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030314 TS 23.195 v.2.0.0 for approval. This document had may dependences upon decisions made in other Groups, some of which had been decided in the week prior to the meeting. **It was clarified that this was intended for Release 5**. It was decided to discuss the issues off-line in order to try to reduce the number of open issues. The TS was updated off-line and revised in TD SP-030335. This TS was approved and placed under TSG SA change control as **version 5.0.0 (Rel-5).** It was noted that 2 or 3 CRs could be expected to this Release 5 TS in order to finalise it.

7.3   TSG SA WG3

7.3.1   Report from TSG SA WG3 and review of progress

TD SP-030220 SA WG3 Status Report at TSG SA#20. The Status report from SA WG3 was presented by the SA WG3 Chairman. It was reported that the SA WG3 Lawful Interception (LI) Group CRs will be approved by e-mail by SA WG3 after the LI meetings, in order to reduce the delays which can occur due to the different meeting schedules between SA WG3 and the LI Group. Only CRs which are not agreed by e-mail will be forwarded to the SA WG3 meetings for consideration.

The SA WG3 Chairman reported the planned meeting of SA WG3 with 3GPP2 Security Group in San Francisco in July 2003, where a joint session was planned between the two groups to discuss common security issues. TSG SA were asked to endorse the joint session, which will be hosted by 3GPP2. **TSG SA confirmed that the joint session with the 3GPP2 Security Group can take place**.

Slide 4: It was clarified that the e-mail procedure for the approval of the LI group CRs was p[lanned as 2 weeks for circulation and comments and 2 weeks for approval of the CRs. Any problems received during the approval period would result in the CR being re-worked in the LI Group and presented to the next SA WG3 meeting.

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

7.3.2   Questions for advice from TSG SA WG3

TD SP-030206 Reply LS (from SA WG3) on proposed deletion of security-related work items in TSG-CN. This was introduced by the SA WG3 Chairman and provided a response to CN WG4 on their questions related to Security work. This was copied to TSG SA for information and was noted.

TD SP-030207 LS (from SA WG3) on clarification of USIM-based access to IMS (To TSG SA, SA WG1, SA WG2 and T WG3). This was introduced by the SA WG3 Chairman and reported that SA WG3 had not determined any security issues with interpretations 2 and 3 (Interpretation 1 was ruled out) and the issue was really a commercial one. SA WG1 reported that they had not yet been dealt with in their meetings. A related LS from T WG3 had been provided in TD SP-030210 and this was considered and discussed. After discussion and consideration **it was agreed that interpretation 3 was the favoured way forward and other groups should check the impacts of this on their specifications**. The attached CR was then considered (equivalent to the officially submitted CR in TD SP-030223) and approved.

TD SP-030210 LS from T WG3: Re: LS on clarification of USIM-based access to IMS. This was introduced by T-Mobile and reported that T WG3 had agreed with the SA WG3 view and that there was no preference in T WG3 which of the interpretations to take, although some delegates expressed a preference to interpretation 3 for added flexibility. This was provided for information and the solutions were discussed for clarification and the LS was noted.

7.3.3   Approval of contributions from TSG SA WG3

CRs:

TD SP-030221 2 CRs to 33.108: Changes to meet international LI Requirements (Rel-5, Rel-6). These CRs were approved.

TD SP-030222 1 CR to 33.203: Annex H: Alignment of Authentication algorithm handling with RFC3329 (Rel-5). This CR was approved.

TD SP-030223 1 CR to 33.203: Clarification on USIM-based access to IMS (Rel-5). This was the officially provided version of the conditionally approved CR in TD SP-030207 which was considered as interpretation 3 had been agreed by TSG SA. This CR was reviewed and approved.

TD SP-030224 1 CR to 33.102: Handling of START values stored on a ME for use with a SIM (Rel-5). This CR was approved.

TD SP-030225 2 CRs to 33.210: Use of IPsec ESP with encryption on the Za-interface (Rel-5, Rel-6). This CR was approved.

TD SP-030226 1 CR to 35.206: Addition of missing line to Rijndael S-box listing (Rel-5). This CR was approved. *SA WG3 were reminded that this was considered an exceptional change to a Release 5 specification*.

WIDs:

TD SP-030227 WID for Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces. The SA WG5 Chairman reported that the use of USIM within the scope of UEM but not for Rel-6. It was noted, that this was a feasibility study and not impacting any other features at this time. It was further clarified that the WI was to study the use of the USIM security with a variety of devices and not aimed at any particular technology (e.g. WLAN) although example technologies may be included in the WI. The WID was updated to take into account the objection to the inclusion of Technology-specific examples in the justification and provided in TD SP-030341 which was approved. (Note that this WI was classified as a Feature).

7.4   TSG SA WG4

7.4.1   Report from TSG SA WG4 and review of progress

TD SP-030211 SA WG4 Status Report at TSG SA meeting #20. The Status report from SA WG4 was presented by the SA WG4 Chairman.

Slide 9: The use of IPv6 and IPv4 for the Characterisation tests was questioned. It was reported that the impact on the tests was expected to be small but that this was required to be included in the Characterisation tests.

Slide 11: It was clarified that the hooks will be included for OMA requirements as this does not have a significant impact on the work and will greatly ease any interworking.

Slide 21: The RAN Chairman asked if the requirements for MBMS / RABS Codec work. It was commented that the Codec design would depend on the packet sizes and this was still to be determined.

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

7.4.2   Questions for advice from TSG SA WG4

There were no specific contributions under this agenda item.

7.4.3   Approval of contributions from TSG SA WG4

WIDs:

SP-030212 New Work Item Description on Media Codecs and Formats for IMS Messaging and Presence (Release 6). This WI description was approved.

SP-030213 New Work Item Description on Multimedia Broadcast/Multicast Service (MBMS) codecs and protocols (Release 6). There was some concern over the restriction on the data formats proposed by the WID. It was explained that, at least from the GERAN viewpoint, the length of the frames would be important in determining the mechanisms for efficient transport. It was considered that the requirements for the examples would need to be provided by SA WG1 (the mentioned stage 1 requirements did not yet exist). Under the condition that the requirements could be developed by SA WG1 there was generally no objection to the principle of this WID. The WID was updated in TD SP-030347 which was approved. Note that "TIM" asked to be added to the list of Supporting Companies for this WI.

SP-030214 CRs to TS 26.104 - Correction on codec mode handling during DTX (Release 4 and Release 5). These CRs were approved.

SP-030215 CRs to TS 26.111 - Removal of Reference to TS 26.112 (R99, Release 4 and Release 5). It was considered unnecessary to change earlier versions of specifications due to out-of-date references. It was therefore agreed to only change the Rel-5 version (rather than create Rel-6 versions for this change). **Therefore, only 26.111 CR009r1 was approved as Category "F".** CRs 007r1 and 008r1 were rejected.

SP-030216 CR to TS 26.173 - MMS compatible input/output option for fixed-point AMR-WB source code (Release 5). This CR was approved.

SP-030217 CRs to TS 26.234 - SMIL supported event types (Rel4 and Rel 5), and Correction to the Content Model of the SMIL Language Profile (Rel 5). It was considered sufficient to correct only the latest version of the specification as the reference could not match to a wrong event and would probably cause an error for investigation in more recent specs. **Therefore, only 26.234 CR058r1 and CR060 were approved as Category "F".** CR 059 was rejected.

SP-030218 CR to TS 26.235 Handling of DTMF in IMS (Release 6). This CR was approved.

SP-030219 CR to TS 26.236 - Examples of QoS profiles for conversational multimedia applications (Release 5). This CR was approved.

The TSG SA Chairman noted that some Rel-4 CRs had been rejected, while equivalent Rel-5 CRs had been allowed as otherwise they would have created a Rel-6 specification. He informed WG Chairmen that in order to maintain the stability of Rel-5 that such CRs would be expected to be Rel-6 CRs from the next meeting.

7.5   TSG SA WG5

7.5.1   Report from TSG SA WG5 and review of progress

TD SP-030265 SA WG5 Status report to TSG SA #20. The Status report from SA WG5 was presented by the SA WG5 Chairman.

Slide 18: The workload of SA WG5 was a cause of concern and it was suggested that another place to put some of the SA WG5 work in order to increase the available resources. SA WG5 and other WGs (particularly CN WGs) were asked to consider if any such work split is possible and practical.

Slide 15: UEM had increased in completeness from 10% to 12% and it was reported that there was currently no Rapporteur for this work. The Protocol work in T WG2 has been stopped and will need to be provided by OMA. The linking in of OAM work to the SA WG5 specifications will probably be the main work in SA WG5 in this area.

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

7.5.2   Questions for advice from TSG SA WG5

7.5.3   Approval of contributions from TSG SA WG5

CRs:

SP-030266 Rel-5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Correction and update of Management System Interactions. This CR was approved.

SP-030267 2 Rel-4/5 CR 32.235 (Charging data description for application services) : Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060. It was clarified that this is a correction and that the GTP changes were already in place. These CRs were approved.

SP-030268 2 Rel-5 CR 32.200 (Charging principles). These CRs were approved.

SP-030269 3 Rel-5 CR 32.205 (Charging data description for the Circuit Switched (CS) domain). These CRs were approved.

SP-030270 Rel-5 CR 32.215 (Charging data description for the Packet Switched (PS) domain) - Correction of "Cause Code". This CR was approved.

SP-030271 5 Rel-5 CR 32.225 (Charging data description for the IP Multimedia Subsystem (IMS)). IOt was noted that CR019 is subject to discussion in TD SP-030340 . CRs 016, 017 and 018 were approved. After discussion of TD SP-030340 CR019 was also approved and NEC were encouraged to contribute to the next SA WG5 meeting.

TD SP-030340 Issues on ICID for REGISTER (CR attached). NEC proposed the attached in favour of "option A" which supersedes the CR019 in SP-030271). This revised CR had not been seen or discussed in SA WG5 as it had not been provided until this TSG SA Meeting. The SA WG5 Chairman reported that the CR019 had been approved without objection in SA WG5 and it was preferred that it is approved and NEC bring their discussion to the next SA WG5 meeting. It was suggested that the ICID definition should be further elaborated within SA WG5 based on the text including CR019. This was agreed and CR019 was approved and NEC were asked to take their contribution to the next SA WG5 meeting.

SP-030272 Rel-5 CRs 32.235 (Charging data description for application services) : Corrections of inconsistencies in the "Charge information" field description. These CRs were approved.

SP-030316 Rel-5 CR 32111-2 (Fault Management; Part 2: Alarm IRP: Information Service): Correction of imported references table for managedGeneric. This CR was approved.

SP-030276 Rel-5 CR 32111-3 (Fault Management; Part 3: Alarm IRP: CORBA solution set): Correction of CORBA type definition in struct "AlarmInformationIdAndSev. This CR was approved.

SP-030277 2 Rel-5 CR 32111-4 (Fault Management; Part 4: Alarm IRP: CMIP solution set). These CRs were approved.

SP-030278 2 Rel-4/5 CR 32.302 (Configuration Management; Notification IRP: Information Service): Correction of the description of the objectClass and objectInstance parameter of the notification header. These CRs were approved.

SP-030279 Rel-5 CR 32.603 (Basic Configuration Management IRP: CORBA solution set): Alignment with Basic CM IRP information service (32.602) - add one exception for the operation createMO. This CR was approved.

SP-030280 3 Rel-4/5 CR 32.622 (Configuration Management; Generic network resources IRP: Network Resource Model). These CRs were approved.

SP-030281 Rel-5 CR 32.632 (Configuration Management; Core Network Resources IRP: Network Resource Model): CN Network Resource Model changed to the New Methodology - alignment with 32.102. This CR was approved.

SP-030282 8 Rel-4/5 CR 32.642/652 (Configuration Management; UTRAN/GERAN network resources IRP: Network Resource Model). These CRs were approved.

SP-030283 15 Rel-4/5 CR 32.64x/65x/615 (Configuration Management; UTRAN/GERAN/Bulk CM IRP): Deletion of attribute relationType. These CRs were approved.

SP-030284 2 Rel-4/5 CR 32.615 (Configuration Management; Bulk CM IRP: XML file format definition): Correction of Bulk CM session log file XML element "log" declaration. These CRs were approved.

SP-030285 Rel-5 CR 32.645 (UTRAN network resources IRP: Bulk CM XML file format definition) : Remove UTRAN NRM XML schema duplicate MOC attribute XML declarations. This CR was approved.

SP-030286 Rel-5 CR 32.654 (Configuration Management; GERAN network resources IRP: CMIP solution set): Alignment of object class names to externalGsmCell - Alignment with 32.624. This CR was approved.

SP-030287 5 Rel-5 CR 32.615/25/35/45/55 (Configuration Management; Bulk CM/ Generic/ Core/ UTRAN/ GERAN network resources IRP: Bulk CM XML file format definition): Correction of namespace URIs. These CRs were approved.

SP-030288 5 Rel-5 CR 32.615/25/35/45/55 (Configuration Management; Bulk CM/ Generic/ Core/ UTRAN/ GERAN network resources IRP: Bulk CM XML file format definition): Generic NRM XML schema dependencies removal. These CRs were approved.

SP-030289 Rel-6 CR 32.664 (Configuration Management; Kernel CM IRP: CMIP solution set) : Correction to notifyCMSynchronizationRecommendedInfo. This CR was approved.

SP-030291 5 Rel-99/4/5 CR 32104/32.401 (Performance Management; Concept and requirements). It was noted that the mirrored **CRs (32.401 CRs 005, 006 and 008) should be Category "A".** It was clarified that the Change to Release 1999 in 32.104 CR011 was necessary to ensure compatible implementations and correct information delivered to the OSS. (Note that there was a number change from 32.104 to 32.401 between Release 1999 and Rel-4). These CRs were approved.

SP-030292 3 Rel-4/5 CR 32403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM). These CRs were approved.

SP-030293 2 Rel-6 CR 32403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM). This CR was approved.

TSs and TRs:

SP-030273 Rel-6 draft TS 32.297 v1.0.0 (Telecommunication management; Charging Management; Charging interface description to the billing domain). This TS was provided for information and was noted. SA WG5 were asked to specify more clearly which NEs and CDIs are to be used.

SP-030274 Rel-6 draft TR 32.815 v1.0.0 (Telecommunication management; Charging management; On-line Charging System (OCS) architecture study). This TR was provided for information and was noted.

SP-030290 New Rel-6 TS 32.341 (File transfer Integration Reference Point (IRP): Requirements) - for Information. This TS was provided for information and was noted.

SP-030294 Rel-6 32.411-200 (Performance Management (PM) Integration Reference Point (IRP): Requirements). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-030295 Rel-6 32.412-100 (Performance Management (PM) Integration Reference Point (IRP): Information Service). This TS was provided for information and was noted.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item.

7.7 Letters to other groups

There were no letters or LSs produced to other groups.

7.8 Other issues

There were no specific contributions under this agenda item.

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

8.1 TSG CN

8.1.1 Report and questions for discussion from TSG CN

TD SP-030318 Highlights and issues arising from TSG CN Meeting #20. The Status report from TSG CN meeting #20 was presented by the TSG CN Chairman.

IPv6 PCO option for DNS Discovery applied to Rel-99 and Rel-4.

Iu UP re-initialisation solution **NOT agreed:**

- Guidance requested from SA4 on assumption that Codecs using same SDU format will be distinguishable;

- Solution at CN#21 by vote if necessary.

No CRs approved for UE work-around for non-implemented pre-R99 network fixes:

- LS from GSMA indicating that goal is to implement fixes by Q3 2003.

Release 5 Status Overview:

CRs approved for Early UE Handling; MNP work partially completed; CN WG2/CN WG3/CN WG4 still investigating whether to use 1 or 2 step HLR interrogation for SCUDIF; Security Association lifetime guidance requested from SA WG3; JAVA code annex to be added to OSA specs; Final push of Rel-5 IMS Cleanup; Major cleanup of MAP (29.002); Release 5 going into "Deep Freeze"; and No exception to Rel-5 Freeze for Out of Service pageability issue

Release 6 (New or Revised Items):

Emergency Call Enhancements IP & PS (NP-030287); Enhancements to Cx and Sh (NP-030229); IMS Stage 3 (NP-030286); Presence (NP-030302); Interworking IMS<->CS (NP-030292); Gq - Dynamic Policy Control – Stage 3 (NP-030198); MBMS (NP-030288)

Release 6 (Miscellaneous):

Agreement of working assumption: Use of IETF protocols over Ut interface (UE Data Manipulation); Many new IETF dependencies added for Rel-6; TR 29.962 Approved: Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage

Questions for Guidance from SA:

Please use descriptive names for WIDs: Enhancement of X doesn't describe much.

Some OSA Rel 6 Dependencies: No activity for 2 CN plenaries for:

Retrieval of Visited Network Capabilities;

Enhanced User Privacy in LCS.

Will be deleted at CN#21 if no activity by September 2003. Risk of slippage of User Data Management Function (awaiting SA WG2 guidance).

CN Feedback on OMA Overlap:

3GPP should have responsibility for the IMS platform.

There is a need to document the technical interfaces between 3GPP and OMA. It was clarified that this meant that a division of the work is needed, e.g. the work between OMA Groups and CN WGs needs to be clearly defined.

There is a need to document the procedural mechanisms for interworking between 3GPP and OMA. The TSG CN Chairman reported that there were no plans to produce any new specification for OMA. OMA were invited to make use of existing and under development specifications. The documentation was intended to be a formal description of the work split between the two groups.

The TSG CN Chairman that 3GPP2 is continuing to use the 3GPP Core Network Specifications with some necessary modifications. *Interoperability and Commonality* is being concentrated on in order for the specifications to be used in both technologies. The TSG CN Chairman considered that the cooperation was going quite well from the 3GPP viewpoint.

It was clarified by the TSG CN Chairman that roaming was a goal between 3GPP and 3GPP2 systems, but it was unlikely to be achieved in the Rel-6 timescale.

TSG SA thanked the TSG CN Chairman for his report, which was then noted.

TD SP-030348 Draft Report of TSG CN meeting #20. The draft report of the TSG CN meeting was provided for information and was noted.

TD SP-030319 IETF status report. This was introduced by the TSG CN Chairman. Two SIP drafts are still not completed (svcrtdisc, 3pcc). 8 drafts are approved but are still awaiting publication. The IETF will continue to try and expedite all outstanding 3GPP Rel-5 dependencies. Significant work in the IETF is required in the areas of Presence and IM (to meet 3GPP efficiency requirements). Significant work also required in the area of Conferencing and possibly Group Management. As a result of analysis done in CN1 have added 47 new Release 6 IETF dependencies The report was discussed and noted.

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

TD SP-030209 LS (from CN WG5) on User Data Management architecture requirements. This was introduced by the TSG CN Chairman. This LS was provided for information and was noted.

TD SP-030320 LS (from TSG CN) on MNP. This was introduced by the TSG CN Chairman. This LS was provided for information and was noted.

TD SP-030263 LS (from CN WG4) on Charging Requirements on MNP for Pre-paid Subscribers. This was provided as a revision to SA WG1 CRs (see agenda item 7.1.3). The LS was noted and the attached CRs reviewed under agenda item 7.1.3.

8.1.3 Information on status and changes to deliverables in TSG CN

There were no specific contributions under this agenda item. General information on the status of TSG CN work was provided in the Draft Report provided in TD SP-030348 under agenda item 8.1.1.

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-030338 Highlights and issues arising from TSG RAN Meeting #20. The Status report from TSG RAN meeting #20 was presented by the TSG RAN Chairman.

Release 1999 and Release 4:

Review of solutions for early Release 1999 UE

TSG RAN has been able to select a solution based on Bitmap over the Iu Interface. CRs were approved for Rel-5. The information was immediately provided to TSG CN for approval of the corresponding CRs.

UE behaviour when losing coverage

It was lately discovered that, when long duration connections exist towards the Packet side of the core, there is potential discrepancy between the UE state and the vision the Network might have. A joint session was organised during the meeting between TSG CN and TSG RAN.

It was concluded that some discrepancies exists on both side. They were discussed and found independent. TSG CN will revisit the issue as part of Rel-6.

The solution found was to fix the value of timer T317 and PLMN search shall start at least after 30 seconds. With regards to the RRC connection it was agreed that both option are kept, i.e. clear the RRC connections or keeping them because current equipment have implemented both.

In TSG RAN the issue was completed for Release 1999 and Rel-4. A corresponding CR was also supported for Rel-5. There was no agreement to change the current behaviour in Rel-5 but this will be looked after by RAN WG2 and may come back to the next meeting with a different solution.

Another mistake was identified in the specification dealing with integrity handling after SRNS Relocation. The standard was not working and correction have been elaborated and agreed.

There was a proposal to make the SFN-SFN type II measurement optional, on the basis that it is only useful for positioning when used together with IPDL, which is an optional feature in the network. Finally, it was agreed to make it optional for Release 1999 and Rel-4, Rel-5 to be decided. RAN WG2 will have to study the UE capabilities to allow for this option in various RRC states.

Release 5:

Work on Rel-5 is complete: HSDPA has been fully completed. ITU-R ad hoc is now progressing on the update 3 of M.1457. The final version will be provided in September 2003. Table shall contain the approved version after June 2003. RAN WGs were tasked to fill the isolated impact analysis for each of the CR for Rel-5 on each of the CRs provided for approval at the next plenary meeting. The Isolated impact shall provide backward compatibility issues. This also implies that forward compatibility is reviewed when CRs are provided for approval on previous Releases. However impact on ASN.1 coding requires more in depth studies and this will be re-opened at the next meeting.

Release 6:

MBMS has been scrutinised by RAN to check the status of the work: A question was addressed during the meeting on the requirement for application in the MBMS context. IP multicast functionality allow for the establishment of an uplink between the UE and the Service Centre to allow quality monitoring. Currently the solutions under consideration in TSG RAN do not consider the establishment of an uplink. **TSG SA and, more specifically, SA WG1 is requested to confirm whether or not such a requirement is foreseen**. Completion date has been delayed to March 2004. TSG RAN considered the Technical Report from SA WG2 on Galileo applicability for Location Services. TSG RAN was a bit concerned with the inclusion of simulation and requirements that are clearly not part of the mandate of SA WG2. RAN WG2 and RAN WG4 were tasked to provided further comments directly to SA WG2.

The WI on IMEI Trace was reviewed and WI sheet approved. Feasibility Study on Uplink Enhancements for UTRA TDD was agreed but due to the absence of the of the main proponent and the absence of rapporteur the issue will be reviewed at the next meeting. If no rapporteur is appointed this feasibility study will be rejected. AGPS minimum performance specification WI was agreed. It is of high importance that companies involved 3GPP TSG RAN do understand the importance of completion date for WI. This is sometime difficult to get a date that can be met and hence the 3GPP work plan is rather unstable. Extensive discussion took place regarding completion date of MBMS

Slide 5: It was clarified that the SFN-SFN type II measurement is currently mandatory and the proposal to make it optional was still under discussion.

Slide 8: Galileo applicability for Location Services. The TSG RAN Chairman reported that it is not yet determined whether there will be a significant impact on TSG RAN work. Information is sought from SA WG2 on this matter.

Slide 4, bullet 2: UE behaviour when losing coverage. It was clarified that the need for the change in Rel-5 is under discussion in the RAN WGs (mainly RAN WG2) and this will be decided at the next meeting.

Slide 7: MBMS. It was clarified that the impact on RABs and performance issues were under investigation, along with the service requirements. It was stressed by the TSG SA Chairman that it is important to have realistic timescales for the completion of work in order to allow accurate Project planning and decision taking.

TSG SA thanked the TSG RAN Chairman for his report, which was then noted.

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

TD SP-030264 LS from RAN WG4: Answer to the LS on Antenna Interface Standards Group (AISG). This was introduced by the TSG RAN Chairman and reported that RAN WG4 would incorporate a part of the AIST specifications into the RAN Specifications, asking AISG to verify the acceptability of the text in the 3GPP specifications. This was provided to TSG SA for information and was noted.

8.2.3   Information on status and changes to deliverables in TSG RAN

There were no specific contributions under this agenda item. General information on the status of TSG RAN work was provided in the Draft Report provided in TD SP-030338 under agenda item 8.2.1.

8.3   Report from TSG T

8.3.1   Report and questions for discussion from TSG T

TD SP-030352 Status Report of TSG T meeting #20 to TSG SA. The Status report from TSG T meeting #20 was presented by the TSG T Chairman.

T WG1 - Conformance Testing

RF Test Status:

RRM Test Progress: General TSG T Issues (for detailed specific T WG issues, see TD SP-030352): On-going effort to evaluate the method of error analysis to determine the test tolerance for Cell Reselection in CELL_FACH test cases in TS 34.121 (8.3.5.1 & 8.3.5.2); Relative worst case scenario and statistical approach both deemed acceptable and further analysis is ongoing; Parameters agreed for single freq test (8.3.5.1); RAN4 guidelines requested for two freq test (8.3.5.2).

Maintenance of R99 Specifications
Follow up database maintained; Updates made in accordance with the latest core specifications.

Total Test Time
TR34.901 v2.0.1 "Test Time Optimisation based on statistical approaches" completed, version 3 approved.

Informal Meeting of RAN4/RF Group (6 – 7 May 03 in Lund, Sweden)
Review of RRM specs (TS 25.133 & TS 34.121); Resulting in 7 CRs to RAN4 meeting.

 Status of RF Test Specifications

TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD):
Rel-99 = 90%

TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD):
Rel-99 = 91%, Rel-4 = 70%

Status of Signaling Test Specifications:

TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing:
Maintenance of default message contents and procedures in line with Mar 03 Core specification; Introduction and removal of RAB combinations in line with RAN LSs.

TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement:
Updated in line with Mar 03 core specifications; Removal of redundant RAB test cases & state transition test cases considered to have no coverage impact.

TS 34.123-2 UE Conformance Specification, part 2 –

ICS Implementation Statement:
Updated to reflect changes in TS 34.123-1.

TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN):
Strategy agreed for conversion to Mar 03 baseline.

T WG2:

MExE: No Progress.

UE Interfaces and Capabilities

GUP (Generic User Profile):
Progress is ongoing but no inputs at TSG-T#20; TS 23.241 REL-6 is expected for information in September, and for TSG-T's approval in December.

UEM (User Equipment Management):
No further work. The protocol spec and the GAP analysis will not be delivered.

SuM:
Joint Meeting with SA5 - SA5 plans to base SuM on GUP

Messaging – MMS:
Minor maintenance work on REL-4 and REL-5. REL-6 summary: Charging and addressing improvements on MM7, Extension of delivery report on MM4, Analysis on MMS applicability to IMS, etc. OTA provisioning and DRM support might be reviewed at T2#22.

REL-6 MMS WID (SP-030354):
The WID MMS Enhancements was revised as requested by TSG-T and SA. TSG-T approved the revised WID; T2 decided that those items which will have no input at T2#22 will be deleted from the WID

3GPP/3GPP2 MMS harmonization:
Informal joint discussion was held during T2#21 in San Diego; No serious disparity identified affecting interoperability between 3GPP/3GPP2 based on TS 23.140 v5.3.0.

Messaging – SMS:
Discussion is needed on FSMSC's (Fixed Network SMSC's) with ETSI AT-F

Messaging – CBS:
A discrepancy between GSM and UMTS on 'Service Area List' has been brought to T2; The outstanding CBS matter on possible discrepancy in 'message length and format' between GSM and UMTS implementations is ongoing.

T WG3: Smart Card Application Aspects:

Handover of responsibility of TS 11.10-4 to T3.
MS conformance specification; Part 4: SIM Application Toolkit conformance specification.

Updated Terms of Reference (TP-030147):
Title of the group was changed from "USIM" to "Smart Card Application Aspects" & Small editorial correction.

Other issues and information in T WG3:
Which SIM/GSM services have to be included on the USIM. To which extent has 2G authentication (as being a SIM service) to be supported by the USIM and what is the impact in case of having a 2G HLR, Rel-5 GERAN terminals and the USIM operating? It was suggested to forward the issue to SA and SA3 in order to investigate more on that scenario and to ask TSG SA and SA WG3 if it was acceptable to only accept 3G authentication in the above mentioned scenario.

Other issues and information in T WG3:
Which SIM/GSM services have to be included on the USIM. To which extent has 2G authentication (as being a SIM service) to be supported by the USIM and what is the impact in case of having a 2G HLR, Rel-5 GERAN terminals and the USIM operating? It was suggested to forward the issue to SA and SA3 in order to investigate more on that scenario and to ask TSG SA and SA WG3 if it was acceptable to only accept 3G authentication in the above mentioned scenario.

Potential overlap of work with OMA on MMS and User Equipment Management (UEM). USIM could benefit the current UEM specifications (e.g. security).

Issues related to toolkit originated emergency calls (regarding SETUP CALL 112 & CALL CONTROL) -> T3 sent LS to SA1 for further guidance.

A contradiction related to the guardtime of the T=0 transport protocol in TS 11.11, TS 51.011 and TS 31.102 was discussed. -> New CRs were approved.

The replacement of "SMS-CB" by "CBS" throughout the T3 specifications was discussed. T3 concluded to postpone the issue and to point out that SMS-CB is used in many T documents

3GPP/OMA Cooperation:

- Documents on overlap of T WG2 work with OMA and interaction with other groups were presented to TSG T.

- Long discussion on future OMA/TSG T cooperation and organization of T WG2 work after Rel-6 freezing date.

- TSG T advised T WG2 to focus on Rel-6 work, and avoid spending time discussing work transfer to OMA.

- TSG T agreed that the time scale for rebalancing of the MMS work is at the freezing point of Rel-6

Use of Automatic Document Numbering (ADN):

- TSG T will evaluate the ADN system

- Up to the management of each T WG to decide its usage

Slide 13: It was clarified that T WG2 had received a LS concerning SMS Messaging for Fixed Network SMSCs and a T WG2 member agreed to liaise with ETSI AF-F on this.

Slide 11: It was reported that the review of the Reports was considered necessary in order to clarify the wording of the CRs on OTA provisioning and DRM support.

Slide 18: The T WG3 Concerns on the **interface** with OMA was not fully known, but there may be an issue of MMS Storage on the USIM, or parameters on Smart Cards, etc.

Slide 18: USIM-only usage in MMS: TSG SA and SA WG3 are to be asked if it was acceptable to only accept 3G authentication. The issue seemed to reduce to the roaming case, where a subscriber with a USIM roams to a 2G network which does not have a 3G AuC. The 3G Authentication is needed for many applications and when roaming to an area which does not allow the 2G security.

It was concluded that currently is a consequence of the USIM that 3G Authentication is required. Any change to this would have to be agreed with SA WG3.

Slide 20: It was clarified that after Release 6, TSG T would need to consider continuing the MMS work in T WG2. Currently TSG T will continue until the completion of Rel-6 and there is no authority within the scope of T WG2 to define anything beyond this. Transfer or continuation of this will be decided a later date.

TSG SA thanked the TSG T Chairman for his report, which was then noted.

TD SP-030353 Draft Report of TSG T meeting #20. The draft report of the TSG T meeting was provided for information and was noted.

TD SP-030354 revised WID on MMS enhancements. This was introduced by the TSG T Secretary. **SA WG1 were asked to consider the WID and provide feedback to T WG2**. The WID was then noted.

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

TD SP-030208 LS (from T WG2) on terminal MMS capability discovery prior MM notification. This was dealt with under agenda item 7.1.3 and was noted.

8.3.3   Information on status and changes to deliverables in TSG T

There were no specific contributions under this agenda item. General information on the status of TSG T work was provided in the Draft Report provided in TD SP-030352 under agenda item 8.3.1.

8.4   Report from TSG GERAN

8.4.1   Report and questions for discussion from TSG GERAN

TD SP-030321 Report of TSG GERAN Issues to TSG SA. The Report of the activities of TSG GERAN since the last TSG SA meeting was presented by the TSG GERAN Chairman. Highlights are reproduced below:

Rel 99 mobiles in Rel 97 networks:

TSG GERAN have been made aware of problems with R99 mobiles in some pre-R99 networks: Rel 99 mobiles might be rejected due to revision level indication in Classmark. Rel 99 extensions to GPRS protocols might cause network to reject messages. Specifications have in the past been updated to clarify behaviour. An LS was sent to GSMA asking for action to help quick deployment of network "corrections" and a positive answer received – This will be discussed at TSG GERAN#15.

Support for Codecs:

TSG GERAN has completed work on 8-PSK channels for AMR and WB-AMR. The final radio performance requirements for 8-PSK channels have now been agreed. A CR to 44.014: "*Defining test loop for AMR-NB*" has been agreed for Rel-5 (can be implemented in mobiles of earlier Release, but first required from Rel-5).

Early UE handling:

'Basic CR' agreed: "*New cause added to Handover Request Reject*" and "*BSC does not attempt further handovers to UMTS*". Old BSS tells new BSS at external handover.

UESBI on the A interface: To discriminate different implementations of measurement reporting. This was left open for the meeting

Release 6:

Multiple TBFs for A/Gb mode: Timers for multiple TBF establishment agreed and Network and MS indications of support

- Broadcast and classmark (1 bit), respectively

Agreed to use legacy messages (with PFI) for assignment/reconfiguration.

Areas to progress:

- Partial relocation: include PFI to keep TBF alive; else drop it
- Clarifications in the relationship between TBF and PFC
- Message definition: many synergies with Iu mode

Open issues:

- Allocation of multiple TBFs on the (P)AGCH
- Multiple TBF Assignment in/for DTM

Making good progress for completion in August.

MBMS:

- One dedicated workshop with focus on radio bearers has been held.
- Estimated throughput for 1% IP-frame error rate for point-to-multipoint ~ 4.5 kbit/s per timeslot.
- (C/I = 9 dB - IP-frame size 500 bytes).
- **Change from ptp to ptm and vice versa during session is causes significant complexity (Limiting this to between sessions would significantly simplify this).**
- Progress on radio bearer key to progress on other parts.

Single Antenna Interference Cancellation (SAIC) feasibility study:

Work progressing - already a significant amount of contribution.

Simulation results based on the current assumptions shows gains in the order of 1 - 2 dB.

Current focus GMSK, CS-domain and synchronous networks.

GSM T frequency bands definition completed.

Testing:

Main focus has been on testing of: Radio & Layer 1; GPRS – Ongoing analysis of needs for update of R97 test cases to align with R99 core specifications; EDGE; Selection/Reselection & Handover (2.5G, 3G); LCS; Tracking of core specification changes; AMR (Narrow band) and DTM (Tests completed).

Work has started on including (align) the test cases which are being used by PCTRB in the US into TS 51.010. New areas of testing:

RLC/MAC (Iu interface CS and PS domain)

The following items have no progress due to lack of input: Enhanced power control; Wideband AMR; AMR 8 PSK HR; Selection/Reselections (GERAN Iu-mode >UTRAN); and Handover (GERAN Iu-mode -> UTRAN PS).

The GERAN Chairman included a chart showing the distribution of documents at the meeting, which showed that 21% of documents were incoming LSs and only 2% LSs out of the meeting. WGs are encouraged to consider each time whether it is really necessary to send the LS and to consider whether all the WGs on the To and CC lists really need to receive the LS.

Slide 21: PTCRB: It was clarified that the type approval and certification of handsets in the USA that is governed by this body. (Note the Presentation included a spelling error for PTCRB). Alignment of the test cases is needed to ensure global interoperability of products.

TSG SA thanked the TSG GERAN Chairman for his report, which was then noted.

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

There were no specific contributions under this agenda item. General information on the status of TSG GERAN work was provided in the Presentation and attachments in TD SP-030321 under agenda item 8.4.1.

8.4.3   Information on status and changes to deliverables in TSG GERAN

There were no specific contributions under this agenda item. General information on the status of TSG GERAN work was provided in the Presentation and attachments in TD SP-030321 under agenda item 8.4.1.

8.5   Letters to other groups

8.6   3GPP Work plan

TD SP-030331 3GPP Work Plan. This was introduced by A. Sultan, MCC Work Plan Manager. This was provided for information and was noted.

TD SP-030332 Presentation of 3GPP Work Plan. This was introduced by A. Sultan, MCC Work Plan Manager and provided the MCC-Compiled summary of the Work Plan Status.

Slide 45: Speech Recognition and Speech Enabled Services. It was questioned how the Stage 2 of this WI can be withdrawn and how can the Stage 3 be completed before the Stage 2. It was reported that the WI was under elaboration in SA WG2 and if contribution is received at their next meeting, this work could be done. It was also reported that the SA WG4 Stage 3 work is independent of the Stage 2 in this case. (The Target date for the non-existent WI was also deleted from the slide).

Slide 24: Due to the Diverse timescales on these items, the TSG RAN Chairman asked for some coordination of the work to allow all to be completed in a timely manner.

Slide 49: Priority Service. It was questioned whether any work is required by other groups on this Feature. It was reported that CN WG4 have done some work and 22.922 is intended for presentation at the next TSG CN meeting and approval in December 2003. CN WG4 were also expecting more guidance from SA WG1 on Priority Service requirements.

Slide 55: Handling of Early UEs. It was clarified that this ia a Rel-5 Feature.

Slide 15: HSDPA. It was noted that although this is complete, it may need to be checked for alignment with CN WG1 and SA WG2 (is are changes needed for the QoS IE as HSPDA can theoretically operate at speeds higher than the Highest specified QoS Class?). This was considered true for a number of completed items and WGs were allowed to question such things on completed items.

Slide 51: QoS Improvements: It was reported that a WI for Gq I/F had been approved.

Slide 30: LCS Enhancements. It was noted that the 3GPP work had not started but most aspects would be done by CN WG1 and the rest by external bodies.

Slide 63: Support of Conversational Services in A/Gb mode via the PS domain. It was noted that the completion date of April 2004 aligns with the current GERAN Work Plan at GERAN #14 and will be updated by GERAN #15 (end June). The Stage 3 was scheduled for completion in August 2004.

It was noted that the WIDs need regular update when the Schedules of WIs are modified in order to prevent confusion between the WID Dates and Work Plan dates.

Completion dates were estimated as follows (sorted by Completion dates to provide an analysis of content versus freeze date for Rel-6):

Unique ID	Feature	FCD
42005	Rel-6 MExE enhancements - not considered as a feature	19
50130	Seamless support of streaming services in A/Gb mode	20

2468	Multiple Input Multiple Output antennas (MIMO)	20
50063	Flexible Layer One for GERAN	20
50401	Addition of frequency bands to GSM	20
32033	Handling of early Ues - Rel-5 feature?	21
34023	AMR-WB extension for high audio quality	21
1800	Rel-6 UICC/USIM enhancements and interworking	21
1216	Improvements of Radio Interface	21+22+23
11032	Interop & Comlity for IMSs using difft "IPconvity Networks"	22
12006	Enhancement of dialled service for CAMEL	22
15010	Rel-6 OSA enhancements	22
9	RAN improvements	22
32045	PS domain and IMS impacts for supporting IMS Emergency calls	22
50541	Uplink TDOA location determination for GSM/GPRS	22
32021	IMS Phase 2	22
2499	Support of Presence Capability	22
34300	Perf charact of def codecs for PS conv multimedia appli	22
34022	Packet Switched Streaming Services Rel-6	22
51101	Single Antenna Receiver Interference Cancellation (SAIC)	22
42009	Multimedia Messaging (MMS) enhancements	22-23
31012	WLAN-UMTS Interworking	22-23
32016	QoS Improvements	22-23
33002	Support for subscriber certificates	22-23
32023	Location Services enhancements 2	23
1571	Security enhancements	23
2544	Multimedia Broadcast and Multicast Service	23
31006	Speech Recognition and Speech Enabled Services	23
31008	Generic User Profile	23
35010	Rel-6 OAM&P	23
35016	Charging Management	23
50500	Support of Conv Services in A/Gb mode via the PS domain	23
2062	Subscription Management	23
1365	Support of Push Services	23-24
31018	Network Sharing	23-24
2	Evolutions of the transport in the UTRAN	NA
32015	Radio optimisation impacts on PS domain architecture	NA
31010	Digital Rights Management	NA
31015	Priority Service	?
31029	Study of Feature Interactions Requirements	?
31030	Study on Privacy Capability	?
33017	Network Domain Security; Authentication Framework (NDS/AF)	?

Conclusions (from the presentation):

- *Freezing Rel-6 in December 2003 (TSG#22) will lead to have 19 to 23 features in Rel-6 (18 to 22 without Early UEs).*

- *Freezing it three months later (TSG#23) will enable to include 9 to 15 additional features.*

- *There is a tendency to be too optimistic in terms of Foreseen Completion Dates: e.g. more than twelve FCDs have been shifted 3 months later compared to TSG#19, so FCDs are likely to be postponed again as technical work progresses.*

There was an extended discussion on the Rel-6 Functionality Freeze date to be chosen. It was generally felt that December 2003 would be too soon for a reasonable completion of Features. March 2004 appeared to be a more realistic date for inclusion of a useful set of Features. It was agreed that **March 2004 would be taken as an assumed goal for the Rel-6 Functional Freezing** date and that **no new Requirements should be presented after September 2003** to allow the Stage 2 to be completed in December 2003 and Stage 3 by March 2004, already an ambitious timescale for the work).

The Presentation was updated and provided for information in TD SP-030358 which was then noted.

TD SP-030336 Summary of Rel-5 features. This was introduced by A Sultan (MCC Work Plan Manager). It was provided for information. Delegates were asked to check the document and provide feedback (positive and negative, or modifications) to MCC contacts in order to update the document and improve the format and content. It is intended to produce a similar document for later Releases as they become stable.

The Document was well-received by the meeting delegates and a request for it to become a permanent document in the ab.8yz-series. It was considered better to keep it an unofficial document to avoid the need for CRs for any changes required. MCC were asked to find a suitable way to make this document available (e.g. On the 3GPP Web Site as a link to Overview of Release 5). MCC were asked to consider the production of a Rel-6 document, taking information from Rapporteurs and experts from the Member Companies working on the Features. **Feedback on this Rel-5 document was requested to MCC before end June 2003, in order to stabilise the document in July 2003.**

OMA Interaction Contributions:

The contributions in TD SP-030198, TD SP-030350 and TD SP-030346 were presented in series and discussed together:

TD SP-030198 3GPP-OMA Overlap Report. This was provided by the TSG T Vice Chairman (Kevin Holley) and provided the results of the request to 3GPP WGs for information of commonality of work in OMS and 3GPP. The report was presented to TSG RAN, TSG CN, and TSG T for discussion. It was intended to produce a conclusion on a way forward during the TSG SA meeting. It proposes that:

3GPP and OMA need to come to a mutual agreement on division of work to help eliminate the above problems. Based on an analysis of the raison d'être for the two fora, the following principle for a work split could be agreed:

- *OMA develops application and service enabler requirements for mobile services, and develops the high level architecture and implementation where the service enabler does not require tight coupling to the 3GPP System Architecture.*

- *3GPP develops 3GPP-specific capabilities to support OMA applications.*

- *3GPP and OMA establish a set of stable technical interfaces between specifications developed by the two organisations to allow each to fully complete its work without the need for too many liaison statements going back and forth.*

- *The existing independent release cycles of the two organisations will need to be factored into the relationship.*

TD SP-030350 Management of OMA Overlaps and Dependencies. This was introduced by Nortel Networks and discussed the contribution in TD SP-030198. It concludes that:

- *3GPP and OMA need to jointly manage areas of overlap and dependencies much more closely than at the moment.*

- *Ideally requirements should be collected in one place which both groups can contribute to if necessary.*

- *Where there 3GPP and OMA deliverables are technically linked or have technical dependencies then these interfaces need to be managed to make sure the two sides align.*

- *The timing of deliverables between 3GPP and OMA needs to be managed.*

- *The compatibility between subsystems developed by the two organisations needs to be managed as each organisation evolves the subsystems under its control.*

TD SP-030346 Managing work items which spread between 3GPP and OMA. This was introduced by Vodafone and discussed the contribution in TD SP-030198. It concludes that:

Vodafone believe that clear and transparent management of WIs is essential. Although the exact arrangements for each work item may well differ, we need to address:

- *The overall management responsibility of the WI*

- *The breakdown of work, considering the responsibility for services requirements (stage 1), stage 2 and stage 3 specifications.*

Before the discussion, the TSG SA Chairman reminded delegates that they should keep in mind that this is a 3GPP meeting an industrial issues should not be considered above the technical goals of 3GPP. Technical work in 3GPP follows the rules of 3GPP and approval of work in 3GPP following consensus of its Members could not take into account the direct wishes of colleagues in OMA even if they were contrary to the OMA wishes.

The following issues were identified by the TSG SA Chairman:

- Lack of visibility

-     Understanding the Organisations' Working Methods

-     Sharing of the Work Plan

-     Identification of dependencies.

There was a suggestion that OMA are asked to provide a list of their Work which has a dependency on 3GPP work. This was considered useful in order that 3GPP could provide expected timescales for the work.

It was suggested that the 3GPP work Items should be marked and identified where they are common with OMA Work. The TSG SA Chairman commented that this was the responsibility of Member Companies belonging to both Groups, not 3GPP as a body. If, e.g. 3GPP wish to create a Stage 3 of a feature and it is suggested that OMA are working on a Stage 1 and 2, then 3GPP would investigate this to ensure the scope and timescales are adequate for our needs.

It was also suggested that 3GPP should not consider changing their processes unless a clear advantage can be identified, this would take time to understand other Bodies processes and evaluate how they would work for 3GPP.

It was also commented that there could be differences in the actual content of similar-looking Work Items between OMA and 3GPP and care should be taken to ensure that both bodies produce the necessary specifications for each other.

With respect to joint working with OMA, it was not considered necessary as a principle, but was recognised that certain experts may need to meet together, this would be determined on a case-by-case basis.

It was suggested that the TSG SA Chairman is mandated to arrange a Workshop with OMA to exchange information on the working of the Organisations and the Work being done. It was also suggested that a volunteer provides a draft dependency list (similar to the IETF dependency list). This was agreed and the TSG SA Chairman agreed to try to slot this around a TSG meeting in order to minimise travel costs for delegates. It was agreed that OMA should be asked to inform 3GPP what their expectation are of 3GPP. Iain Sharpe agreed to draft the dependency list.

It was agreed that a Liaison should be set up with OMA and for any new WI where an interaction is suspected, then the expectations of OMA and 3GPP should be determined in order to co-ordinate any common work in an efficient way.

It was recognised that the interaction with OMA will need further discussion and adjustment during the early stages of the liaison.

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

TD SP-030228 CRs to 01.01 and 41.001 (All Releases). These CRs were approved.

TD SP-030229 CRs to Specifications Lists. These CRs were approved.

TD SP-030235 Renumbering of 21.102, 21.103, 41.102, 41.103. These CRs were approved.

TD SP-030359 CRs to 21.102, 21.103, 41.102, 41.103 to point to replacement specs, and to 21.101 to change title. These CRs were approved.

8.8   Review of Release 6 status, content and completion

There were no specific contributions under this agenda item. The Work Plan, particularly for the determination of Features to be potentially included in Release 6, was discussed under agenda item 8.6.

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

TD SP-030328 Report of Future Evolution meeting #4. This was provided for information and was noted. A summary was presented in TD SP-030329.

TD SP-030329 FEW summary report. This was introduced by the Future Evolution Workshop Chairman:

1 Meeting - immediately prior to SA#20. Draft report (SP-030328). Email discussion between SA#19 and SA#20. One more meeting planned prior to SA#21. Email discussion planned prior to SA#21. On track to close the workshop after SA#21.

Good progress on technical report:

> *Most areas are now in a "polishing" phase with baseline text agreed in most areas. Therefore it was decided to send the technical report (21.902) for information (TD SP-030330).*

Due to proximity of Evolution and SA meetings this is the input version to the Evolution meeting. Plan to send for approval at SA#21.

TD SP-030330 Draft TR on Future Evolution (version 1.0.0). This was introduced by the Future Evolution Workshop Chairman. It was noted that the final version should be available soon and will be sent to the TSG SA e-mail reflector when it is available. The draft TR was then noted.

8.10   Other issues

There were no specific contributions under this agenda item.

9   Project Management

9.1   Review of work programme

TD SP-030231 Status list before TSGs #20. This was introduced by the MCC Specifications Manager (J. M. Meredith) and was noted.

TD SP-030234 Specs not under change control. This was introduced by the MCC Specifications Manager (J. M. Meredith) and lists the specifications which are still at draft status and not yet placed under change control. WGs were encouraged to consider this list and decide what to do with the specifications and reports (stop, finalise or update status). The document was then noted.

TD SP-030233 Friendly databases. This was introduced by the MCC Specifications Manager (J. M. Meredith) and was produced in response to a Chairmen's Survey where the complexity and size of the specifications database was commented upon. This is a WWW view of the main database, in HTML format with links, which was produced to simplify the use of the database when on-line. The main database will continue to be maintained. This was considered a useful tool and delegates were asked to forward and comments to J. M. Meredith, MCC. It was clarified that the Master CR database is integrated in the main specifications database and the "CR databases" was an extracted part of this main database. It was also requested that something be developed to allow mirroring of the 3GPP web site. It was explained that the links were relative links and mirroring of the ftp site and structure should allow easy mirroring of the tool. The document was then noted.

TD SP-030232 Status list after TSGs #20. This will be provided after the meeting, including the changes of status of the 3GPP Specifications and Reports approved at this meeting. Delegates were encouraged to review the status list and provide corrections and comments to Mr. J. M Meredith, MCC.

9.2   Working methods

There were no specific contributions under this agenda item.

9.3   Other issues

There were no specific contributions under this agenda item.

10   Project support

TD SP-030356 Report of Support Team activities. This was introduced by the Head of MCC, A. Scrase and outlined the changes of MCC staff and budget issues. It was clarified that the Chairman's Survival Guide was at first draft status and should be made available at the next TSG Meetings. A. Scrase was thanked for his report which was noted.

11   Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12   Work plan and future meetings

TD SP-030339 Calendar of 3GPP Meetings. This was provided for information and was noted.

It was noted that GERAN meeting in June, Hosted by RIM in Florida USA was not included in the list.

August 2003				
TITLE	HOST	DATES	LOCATION	CTRY
3GPPGERAN#16	RIM	25 – 29 August, 2003	New York	US
3GPPT#21	SIEMENS	17 – 19 September, 2003	Frankfurt	Germany
3GPPRAN#21	SIEMENS	16 – 19 September, 2003	Frankfurt	Germany
3GPPCN#21	SIEMENS	17 – 19 September, 2003	Frankfurt	Germany
3GPPSA#21	SIEMENS	22 – 25 September, 2003	Frankfurt	Germany
3GPPGERAN#17	EF3	17 – 21 November, 2003	Budapest	Hungary
3GPPT#22	NA Friends	10 – 12 December, 2003	Hawaii	US

3GPPRAN#22	NA Friends	9 – 12 December, 2003	Hawaii	US
3GPPCN#22	NA Friends	10 – 12 December, 2003	Hawaii	US
3GPPSA#22	NA Friends	15 – 18 December, 2003	Hawaii	US
3GPPGERAN#18	EF3	2 – 6 February, 2004	TBD	Europe
3GPPT#23	NA Friends	10-12 March, 2004	TBD	US
3GPPRAN#23	NA Friends	9-12 March, 2004	TBD	US
3GPPCN#23	NA Friends	10-12 March, 2004	TBD	US
3GPPSA#23	NA Friends	15-18 March, 2004	TBD	US
3GPPGERAN#19	NA Friends	19-23 April, 2004	TBD	US
3GPPT#24	TTA	1-4 June, 2004	TBD	Korea
3GPPRAN#24	TTA	1-4 June, 2004	TBD	Korea
3GPPCN#24	TTA	1-4 June, 2004	TBD	Korea
3GPPSA#24	TTA	1-4 June, 2004	TBD	Korea
3GPP GERAN#20	EF3	21-25 June, 2004	TBD	Europe
3GPP GERAN#21	NA Friends	23-27 August, 2004	TBD	US
3GPPT#24	NA Friends	7-10 September, 2004	TBD	US
3GPPRAN#24	NA Friends	6-10 September, 2004	TBD	US
3GPPCN#24	NA Friends	7-10 September, 2004	TBD	US
3GPPSA#24	NA Friends	13-16 September, 2004	TBD	US
3GPPGERAN#22	ETSI	8-12 November, 2004	Sophia Antipolis	France
3GPPT#25	EF3	7-10 December, 2004	Athens	Greece
3GPPRAN#25	EF3	6-10 December, 2004	Athens	Greece
3GPPCN#25	EF3	7-10 December, 2004	Athens	Greece
3GPPSA#25	EF3	13-16 December, 2004	Athens	Greece

The TSG CN Chairman proposed that the TSG SA meeting could reduce the length of meeting to 3 days (Monday - Wednesday). The TSG SA Chairman responded that this would leave little time for off-line, evening discussions. There was support for reducing the length to 3 days in order to save travelling costs and also support to leave the meeting length at 4 days in order to allow good handling of issues rather than rushing to finish the agenda. It was decided to try a 3-day meeting for the meeting #24 in March 2004. The September meeting would remain as 4 days, starting after the Evolution Workshop, and for December, 4 days, subject to the Host checking the contract flexibility to reduce it to 3 days. Hosts were asked not to provide a Social Event for 3-day meetings on the Tuesday.

13   Any other business

TD SP-030349 Church boat rowing competition. The meeting Hosts (Nokia) announced a mandatory new meeting Feature of attempting to drown at least one team from Manufacturers, Operators and Specials (Officials and MCC) using large Church Boats on the evening of 10 June 2003. Survivors would receive a chance to continue attending the meeting on 11 June 2003. The Mandatory request was noted.

Secretary's Note: The three high-spirited teams fought hard in this strenuous sport and the "Specials" completed the course first. All teams were congratulated for their efforts and high commitment to this event. (No team members were drowned).

14   Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and cooperation during the meeting, the Meetings Hosts, Nokia and the Support staff for the excellent facilities provided for the TSG meetings. The TSG SA Chairman thanked TeliaSonera for the very enjoyable Social Event that they sponsored at Vanajanlinna hunting castle on the Wednesday Evening. He then closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1   TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials:						
Chairman	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Gary Jones	VoiceStream	gary.jones@voicestream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo	naka@netlab.nttdocomo.co.jp	+81 46 840 3970	+81 86 840 3723	
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG1 Officials:						
Chairman	Michele Zarri	T-Mobile (UK)	michele.zarri@t-mobile.co.uk		+44 20 8 905 1671	+44 79 3200 2114
Vice Chairman	Randolph Wohlert	Pacific Bell Wireless	rwohlert@tri.sbc.com	+1 512 372 5838	+1 512 372 5891	
Vice Chairman	Paul Carpenter	RIM	pcarpenter@rim.net	+44 7736 961131	+44 1784 477 455	
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG2 Officials:						
Chairman	Magnus Olsson	Ericsson LM	magnus.olsson@era.ericsson.se	+46 8 585 31454		+46 70 576 1918
Vice Chairman	Akishige Noda	Fujitsu	aki.noda@jp.fujitsu.com	+81 44 75 44 196	+81 44 75 44 147	
Vice Chairman	Alexander Milinski	Siemens AG	alexander.milinski@siemens.com	+49 89 636 75209		+49 175 180 45 12
Secretary	Sang-Ui Yoon	3GPP Support Team	sang-ui.yoon@etsi.org	+33 4 92 94 42 97	+33 4 92 38 52 97	
TSG SA WG3 Officials:						
Chairman	Valtteri Niemi	Nokia	valtteri.niemi@nokia.com	+358 50 48 37327	+358 9 4376 6850	
Vice Chairman	Michael Marcovici	Lucent Technologies	marcovici@lucent.com	+1 630 979 4062	+1 630 224 9955	
Vice Chairman	Peter Howard	Vodafone	peter.howard@vodafone.com	+44 1635 676206	+44 1635 231721	+44 7787 154058
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG4 Officials:						
Chairman	Kari Jarvinen	Nokia	kari.ju.jarvinen@nokia.com	+3587180 35854	+358 7180 35888	+358 50 555 0999
Vice Chairman	Tomoyuki Ohya	NTT DoCoMo	ohya@spg.nttdocomo.co.jp	+81 3 5563 7241	+81 3 5563 7269	
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG SA WG5 Officials:						
Chairman	Michael Truss	Motorola	Michael.Truss@motorola.com	+353 21 511 327	+353 21 357 635	
Vice Chairman	Thomas Richter	Cingular Wireless	thomas.richter@cingular.com	+1 404 236 5902	+1 404 236 5949	
Vice Chairman	Christian Toche	Nortel Networks	toche@nortelnetworks.com	+33 1 69 55 44 91	+33 1 69 55 13 46	
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

A.2   TSG CN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CN Officials:						
Chairman	Stephen Hayes	Ericsson	stephen.hayes@ericsson.com	+1 972 583 5773	+1 972 644 3036	
Vice Chairman	Ian Park	Vodafone	ian.park@vf.vodafone.co.uk	+44 1635 673 527	+44 1635 233 562	
Vice Chairman	Kunihiko Taya	NEC	taya@bk.jp.nec.com	+81 3 3798 6560	+81 3 3798 4626	
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG1 Officials:						
Chairman	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	+358 40 502 1724
Vice Chairman	Andrew Howell	Motorola Ltd	andrew.howell@motorola.com	+44 1256 790 170	+44 1256 790 190	+44 77 85 363 850
Vice Chairman	Richard Brook	Samsung Electronics	richardbrook39@aol.com	+44 1594 836646	+44 1784 428629	+44 7776 181555
Secretary	Per J. Jorgensen	3GPP Support Team	PerJohan.Jorgensen@etsi.org	+33 4 92 94 42 31	+33 4 92 38 52 31	
TSG CN WG2 Officials:						
Chairman	Keijo Palviainen	NOKIA	keijo.palviainen@nokia.com	+358 9 511 69669	+358 9 5112 9253	+358 40 558 5623
Vice Chairman	Rogier Noldus	Ericsson	rogier.noldus@etm.ericsson.se	+31 161 249 400	+31 161 249 904	+31 6 516 13908
Vice Chairman	Vacancy					
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	
TSG CN WG3 Officials:						
Chairman	Norbert Klehn	Siemens	norbert.klehn@icn.siemens.de	+49 30 386 290 90	+49 30 386 44255	
Vice Chairman	Juha Räsänen	Nokia	juha.a.rasanen@nokia.com	+358 40 543 9058	+358 9 5112 9626	
Vice Chairman	Vacancy					
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG4 Officials:						
Chairman	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152	+49 66 211 69 122	+4915114016084
Vice Chairman	Toshiyuki Tamura	NEC Corporation	tamurato@aj.jp.nec.com	+81 471 85 6706	+81 471 85 6962	
Vice Chairman	Peter Wild	Vodafone	peter.wild@vodafone.com	+49 211 533 3798	+49 211 533 3804	+49 172 7211170
Secretary	Kimmo Kymalainen	3GPP Support Team	kimmo.kymalainen@etsi.org	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CN WG5 Officials:						
Chairman	Chelo Abarca	Alcatel	chelo.abarca@alcatel.fr	+33 1307 70469	+33 1307 70230	
Vice Chairman	Musa Unmehopa	Lucent Technologies	unmehopa@lucent.com	+31 35 687 1684	+31 35 687 5822	
Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	
TSG CN AHG1 (ITU-T Co-ordination) Officials:						
Chairman	Yun Chao Hu	Ericsson	Yun-Chao.Hu@era.ericsson.se	+ 46 8 508 78153		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	

A.3   TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials:						
Chairman	Francois Courau	Alcatel	francois.courau@alcatel.fr	+33 1 30 77 94 68	+33 1 30 67 94 30	+33 6 08 82 20 22
Vice Chairman	Donald Zelmer	Cingular Wireless LLC	don.zelmer@cingular.com	+1 404 236 5912	+1 404 236 5968	+1 404 625 7659
Vice Chairman	Eisuke Fukuda	Fujitsu	efukuda@jp.fujitsu.com	+81 44 754 4142	+81 44 754 4186	
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	+33 6 74 40 83 64
TSG RAN WG1 Officials:						
Chairman	Dirk Gerstenberger	ERICSSON L.M.	dirk.gerstenberger@era.ericsson.se	+46 8 585 33901	+46 8 508 79600	
Vice Chairman	Masafumi Usuda	NTT DoCoMo	usuda@wsp.yrp.nttdocomo.co.jp	+81 468 40 3190	+81 468 40 3762	
Vice Chairman	Juho Lee	Samsung Electronics	juholee@samsung.com	+82 31 279 5115	+82 31 279 5513	
Secretary	Tsukasa SASAKI	3GPP Support Team	tsukasa.sasaki@etsi.org	+33 4 92 94 43 22		
TSG RAN WG2 Officials:						
Chairman	Denis Fauconnier	Nortel	dfauconn@nortelnetworks.com	+33 1 39 44 52 87	+33 1 39 44 50 12	+33 06 64 04 35 29
Vice Chairman	Francesco Grilli	Qualcomm Europe	fgrilli@qualcomm.com	+1 858 845 3742	+1858 658 2113	
Vice Chairman	Vacancy					
Secretary	Claude ARZELIER	3GPP Support Team	claude.arzelier@etsi.org	+33 4 92 94 42 61	+33 4 92 38 52 61	
TSG RAN WG3 Officials:						
Chairman	Alexander Vesely	Siemens AG	alexander.vesely@siemens.com	+43 5 1707 21318	+43 5 1707 51924	+43 676 379 2624
Vice Chairman	Jim Miller	InterDigital	jim.miller@interdigital.com	+1 516 622 4071	+1 516 622 0100	
Vice Chairman	Cheng Hock Ng	NEC	ngcheng@da.jp.nec.com	+81 471 85 6706	+81 471 85 6863	
Secretary	Joern Krause	3GPP Support Team	joern.krause@etsi.org	+33 4 92 94 42 52		
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.org	+33 4 92 94 43 21	+33 4 92 38 53 21	
3GPP Ad-hoc group on ITU-R (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	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG1 Officials:						
Chairman	Phillip Brown	3	phillip.brown@three.co.uk	+44 1628 765465	+44 1628 766012	+44 7799 628410
Vice Chairman	Dan Fox	Anritsu Ltd	dan.fox@eu.anritsu.com	+44 7909 983357	+44 1582 433 276	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.org	+33 4 92 94 43 49	+33 4 92 38 53 49	
TSG T WG2 Officials:						
Chairman	Ian Harris	Teleca	ian.harris@teleca.com	+44 1225 481 188		+44 7771 980 062
Vice Chairman	Paul Voskar	Nokia	paul.voskar@nokia.com	+44 1252 867427	+44 1252 865693	
Vice Chairman	Vacancy					
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG3 Officials:						
Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Jean-Francois Rubon	Gemplus Card International	jean-francois.rubon@gemplus.com	+33 4 42 36 66 39	+33 4 42 36 41 00	+33 6 88 38 76 65
Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Claus Dietze	3GPP Support Team	claus.dietze@etsi.org	+33 4 9294 42 90	+33 4 92 38 52 90	

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.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG1 & WG3 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.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	José Luis Carrizo Martinez	Vodafone	jose-luis.carrizo@vodafone.co.uk	+44 1635 676093	+44 1635 231847	+44 1635 676093
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 and WG1 ALMALGAMATED:						
TSG GERAN WG4 & WG5 Officials:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman						
Vice Chairman						
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG GERAN WG5 and WG4 ALMALGAMATED:						

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030196	Draft Agenda for TSG SA meeting #20	TSG SA Chairman	2	Approval		Approved
SP-030197	Draft Report of TSG SA meeting #19, version 0.0.5	TSG SA Secretary	3	Approval		Approved
SP-030198	3GPP-OMA Overlap Report	TSG T Vice Chairman (Kevin Holley)	8.6	Discussion		Discussed with SP-030350 and SP-030346. Joint Workshop and Draft Dependencies list to be set up
SP-030199	LS (from SA WG1) on SA WG2 LS on IP session control API	SA WG1	7.1.2	Information		Noted
SP-030200	LS (from SA WG1) on terminal MMS capability discovery prior MM notification	SA WG1	7.1.2	Information		Noted
SP-030201	LS from SA WG1: Clarification on MNP for Pre-paid Subscribers	SA WG1	7.1.2	Action		Covered by handling of SP-030263. Noted
SP-030202	LS (from SA WG2) on Review of the Speech Enabled Services part of the 3GPP work plan	SA WG2	7.2.2	Action		Noted
SP-030203	LS (from SA WG2) on Specifications not yet under change control, but pertaining to frozen Releases	SA WG2	7.2.2	Action		Noted
SP-030204	Reply LS (from SA WG2) on 'Charging Implications of 3GPP System – WLAN Interworking'	SA WG2	7.2.2	Information		Noted
SP-030205	Reply LS (from SA WG2) to GERAN LS on impact of 'Early UE handling' (GP#14(03)0928)	SA WG2	7.2.2	Information		Noted
SP-030206	Reply LS (from SA WG3) on proposed deletion of security-related work items in TSG-CN	SA WG3	7.3.2	Information		Noted
SP-030207	LS (from SA WG3) on clarification of USIM-based access to IMS	SA WG3	7.3.2	Action		Related CR in SP-030223. Interpretation 3 agreed and CR in SP-030223 approved.
SP-030208	LS (from T WG2) on terminal MMS capability discovery prior MM notification	T WG2	8.3.2	Information		Request to withdraw Rel-5 CR in SP-020246 Agreed. Doc Noted
SP-030209	LS (from CN WG5) on User Data Management architecture requirements	CN WG5	8.1.2	Information		Noted
SP-030210	LS from T WG3: Re: LS on clarification of USIM-based access to IMS	T WG3	8.3.2	Information		Used for discussion of SP-030207. Noted
SP-030211	SA WG4 Status Report at TSG-SA#20	SA WG4 Chairman	7.4.1	Information		Noted
SP-030212	New Work Item Description on Media Codecs and Formats for IMS Messaging and Presence (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-030213	New Work Item Description on Multimedia Broadcast/Multicast Service (MBMS) codecs and protocols (Release 6)	SA WG4	7.4.3	Approval	SP-030347	Revised in SP-030347
SP-030214	CRs to TS 26.104 - Correction on codec mode handling during DTX (Release 4 and Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030215	CRs to TS 26.111 - Removal of Reference to TS 26.112 (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval		CR009r1 ONLY approved
SP-030216	CR to TS 26.173 - MMS compatible input/output option for fixed-point AMR-WB source code (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030217	CRs to TS 26.234 - SMIL supported event types (Rel4 and Rel 5), and Correction to the Content Model of the SMIL Language Profile (Rel 5)	SA WG4	7.4.3	Approval		CR058r1 and CR060 Approved. CR059 Rejected
SP-030218	CR to TS 26.235 Handling of DTMF in IMS (Release 6)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030219	CR to TS 26.236 - Examples of QoS profiles for conversational multimedia applications (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030220	SA WG3 Status Report at TSG SA#20	SA WG3 Chairman	7.3.1	Information		Noted
SP-030221	2 CRs to 33.108: Changes to meet international LI Requirements (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030222	1 CR to 33.203: Annex H: Alignment of Authentication algorithm handling with RFC3329 (Rel-5)	SA WG3	7.3.3	Approval		Conditional on LS in SP-030207. Approved
SP-030223	1 CR to 33.203: Clarification on USIM-based access to IMS (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030224	1 CR to 33.102: Handling of START values stored on a ME for use with a SIM (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030225	2 CRs to 33.210: Use of IPsec ESP with encryption on the Za-interface (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030226	1 CR to 35.206: Addition of missing line to Rijndael S-box listing (Rel-5)	SA WG3	7.3.3	Approval		Approved. Exceptional change for Rel-5
SP-030227	WID for Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces	SA WG3	7.3.3	Approval	SP-030341	Justification revised in SP-030341
SP-030228	CRs to 01.01 and 41.001 (All Releases)	MCC (J Meredith)	8.7	Approval		Approved
SP-030229	CRs to Specifications Lists	MCC (J Meredith)	8.7	Approval		Approved
SP-030230	WITHDRAWN - On Features and Releases	MCC (J Meredith)	8.7	Information		WITHDRAWN
SP-030231	Status list before TSGs #20	MCC (J Meredith)	9.1	Information		Noted
SP-030232	Status list after TSGs #20	MCC (J Meredith)	9.1	Information		To be provided after meeting with updated status of TSs and TRs
SP-030233	Friendly databases	MCC (J Meredith)	9.1	Information		Noted. Comments to J Meredith, MCC
SP-030234	specs not under change control	MCC (J Meredith)	9.1	Information		Noted
SP-030235	Renumbering of 21.102, 21.103, 41.102, 41.103	MCC (J Meredith)	8.7	Approval		Approved
SP-030236	Presentation of SA1 to SA #19	SA WG1 Chairman	7.1.1	Information		Noted
SP-030237	Status report of SA1 to SA #19	SA WG1 Chairman	7.1.1	Information		Noted
SP-030238	CRs to 22.038 on Cleanup of USAT requirements (R99/Rel4/5)	SA WG1	7.1.3	Approval		Approved
SP-030239	CR to 22.101 on Emergency calls in data only network (R99/Rel4/5)	SA WG1	7.1.3	Approval		Approved
SP-030240	CRs to 21.905 on Update to vocabulary document (Rel-4/5/6)	SA WG1	7.1.3	Approval		Approved
SP-030241	CR to 22.042 on Alignment of NITZ with implementation (Rel-4/5)	SA WG1	7.1.3	Approval		Approved
SP-030242	CRs to 22.066 on Charging requirements in an NMP environment (Rel-5/6)	SA WG1	7.1.3	Approval		CN4 revision in SP-030263. (Revised)
SP-030243	CRs to 22.115 on Charging requirements in an NMP environment (Rel-5/6)	SA WG1	7.1.3	Approval		CN4 revision in SP-030263. (Revised)
SP-030244	CR to 22.101 on Tidy-up of Subscriber Identification requirements (Rel-5/6)	SA WG1	7.1.3	Approval	SP-030351	Clause numbering problems. Updated in SP-030351
SP-030245	CRs to 22.115 on SMS on GPRS and GSM, charging aspect (Rel-5)	SA WG1	7.1.3	Approval		Approved
SP-030246	CR to 22.140 on MMS support on the USIM (Rel-5/6)	SA WG1	7.1.3	Approval		Rel-5 CR Rejected. (Rel-6 CR withdrawn by SA1)
SP-030247	CR to 21.905 on 3GPP Generic User Profile (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030248	CR to 22.011 on Network selection in shared networks (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030249	WITHDRAWN - CRs to TS 22.011 and 22.041 on WLAN (Rel-6)	SA WG1	7.1.3	Approval	SP-030327	Revised in SP-030327

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030250	CRs to 22.038 to (U)SIM toolkit commands for MMS (Rel-6)	SA WG1	7.1.3	Approval	SP-030333	Reason for change needs correction. Related storage in SP-030246 withdrawn. Revised in SP-030333
SP-030251	CR to 22.067 on Priority Service Alignment (Rel-6)	SA WG1	7.1.3	Approval		Approved as Cat "F"
SP-030252	CRs to 22.071 on various subjects (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030253	CRs to 22.101 on Emergency Call requirements (Rel-6)	SA WG1	7.1.3	Approval		Postponed. Discussions ongoing in WGs
SP-030254	CR to 22.105 on Service Based Local Policy Requirements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030255	CR to 22.127 on Removal of features from OSA (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030256	CRs to 22.140 on Multimedia Messaging (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030257	CRs to 22.140 on Multimedia Messaging from email approval (Rel-6)	SA WG1	7.1.3	Approval		Approved (SA1 e-mail approved)
SP-030258	WITHDRAWN - CRs to 22.140 and 22.101 on storing MMS messages on the USIM	SA WG1	7.1.3	Approval		Failed SA WG1 e-mail approval. WITHDRAWN
SP-030259	CRs to 22.228 on IMS (Rel-6)	SA WG1	7.1. 3	Approval		Approved
SP-030260	CR to 22.243 on Speech recognition framework for automated voice services (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030261	CR to 22.243 on reconstructed speech (Rel-6)	SA WG1	7.1.2	Information		For discussion. Rejected. SA1 to reconsider taking comments into account.
SP-030262	LS (from GERAN WG2) on Stage 3 work for Early UE handling	GERAN WG2	8.4.1	Information		Noted
SP-030263	LS (from CN WG4) on Charging Requirements on MNP for Pre-paid Subscribers	CN WG4	8.1.2	Action		4 CRs included for approval. 4 CRs approved
SP-030264	LS from RAN WG4: Answer to the LS on Antenna Interface Standards Group (AISG)	RAN WG4	8.2.2	Information		Noted
SP-030265	SA WG5 Status report to TSG SA #20	SA WG5	7.5.1	Information		Noted
SP-030266	Rel-5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Correction and update of Management System Interactions	SA WG5	7.5.3	Approval		Approved
SP-030267	2 Rel-4/5 CR 32.235 (Charging data description for application services) : Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060	SA WG5	7.5.3	Approval		Approved
SP-030268	2 Rel-5 CR 32.200 (Charging principles)	SA WG5	7.5.3	Approval		Approved
SP-030269	3 Rel-5 CR 32.205 (Charging data description for the Circuit Switched (CS) domain)	SA WG5	7.5.3	Approval		Approved
SP-030270	Rel-5 CR 32.215 (Charging data description for the Packet Switched (PS) domain) - Correction of "Cause Code"	SA WG5	7.5.3	Approval		Approved
SP-030271	5 Rel-5 CR 32.225 (Charging data description for the IP Multimedia Subsystem (IMS))	SA WG5	7.5.3	Approval		Approved
SP-030272	Rel-5 CRs 32.235 (Charging data description for application services) : Corrections of inconsistencies in the "Charge information" field description	SA WG5	7.5.3	Approval		Approved
SP-030273	Rel-6 draft TS 32.297 v1.0.0 (Telecommunication management; Charging Management; Charging interface description to the billing domain)	SA WG5	7.5.3	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030274	Rel-6 draft TR 32.815 v1.0.0 (Telecommunication management; Charging management; On-line Charging System (OCS) architecture study)	SA WG5	7.5.3	Information		Noted
SP-030275	WITHDRAWN: Rel-5 CR 32111-2 (Fault Management; Part 2: Alarm IRP: Information Service) : Correction of imported references table for managedGeneric	SA WG5	7.5.3	Approval	SP-030316	Replaced by SP-030316 due to cross reference fields problems
SP-030276	Rel-5 CR 32111-3 (Fault Management; Part 3: Alarm IRP: CORBA solution set) : Correction of CORBA type definition in struct "AlarmInformationIdAndSev	SA WG5	7.5.3	Approval		Approved
SP-030277	2 Rel-5 CR 32111-4 (Fault Management; Part 4: Alarm IRP: CMIP solution set)	SA WG5	7.5.3	Approval		Approved
SP-030278	2 Rel-4/5 CR 32.302 (Configuration Management; Notification IRP: Information Service) : Correction of the description of the objectClass and objectInstance parameter of the notification header	SA WG5	7.5.3	Approval		Approved
SP-030279	Rel-5 CR 32.603 (Basic Configuration Management IRP: CORBA solution set) : Alignment with Basic CM IRP information service (32.602) - add one exception for the operation createMO	SA WG5	7.5.3	Approval		Approved
SP-030280	3 Rel-4/5 CR 32.622 (Configuration Management; Generic network resources IRP: Network Resource Model)	SA WG5	7.5.3	Approval		Approved
SP-030281	Rel-5 CR 32.632 (Configuration Management; Core Network Resources IRP: Network Resource Model) : CN Network Resource Model changed to the New Methodology - alignment with 32.102	SA WG5	7.5.3	Approval		Approved
SP-030282	8 Rel-4/5 CR 32.642/652 (Configuration Management; UTRAN/GERAN network resources IRP: Network Resource Model)	SA WG5	7.5.3	Approval		Approved
SP-030283	15 Rel-4/5 CR 32.64x/65x/615 (Configuration Management; UTRAN/GERAN/Bulk CM IRP) : Deletion of attribute relationType	SA WG5	7.5.3	Approval		Approved
SP-030284	2 Rel-4/5 CR 32.615 (Configuration Management; Bulk CM IRP: XML file format definition) : Correction of Bulk CM session log file XML element "log" declaration	SA WG5	7.5.3	Approval		Approved
SP-030285	Rel-5 CR 32.645 (UTRAN network resources IRP: Bulk CM XML file format definition) : Remove UTRAN NRM XML schema duplicate MOC attribute XML declarations	SA WG5	7.5.3	Approval		Approved
SP-030286	Rel-5 CR 32.654 (Configuration Management; GERAN network resources IRP: CMIP solution set): Alignment of object class names to externalGsmCell - Alignment with 32.624	SA WG5	7.5.3	Approval		Approved
SP-030287	5 Rel-5 CR 32.615/25/35/45/55 (Configuration Management; Bulk CM/ Generic/ Core/ UTRAN/ GERAN network resources IRP: Bulk CM XML file format definition): Correction of namespace URIs	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030288	5 Rel-5 CR 32.615/25/35/45/55 (Configuration Management; Bulk CM/ Generic/ Core/ UTRAN/ GERAN network resources IRP: Bulk CM XML file format definition): Generic NRM XML schema dependencies removal	SA WG5	7.5.3	Approval		Approved
SP-030289	Rel-6 CR 32.664 (Configuration Management; Kernel CM IRP: CMIP solution set) : Correction to notifyCMSynchronizationRecommendedInfo	SA WG5	7.5.3	Approval		Approved
SP-030290	New Rel-6 TS 32.341 (File transfer Integration Reference Point (IRP): Requirements) - for Information	SA WG5	7.5.3	Information		Noted
SP-030291	5 Rel-99/4/5 CR 32104/32.401 (Performance Management; Concept and requirements)	SA WG5	7.5.3	Approval		Approved. CRs 005, 006, 008 as Cat "A"
SP-030292	3 Rel-4/5 CR 32403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved
SP-030293	2 Rel-6 CR 32403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved
SP-030294	Rel-6 32.411-200 (Performance Management (PM) Integration Reference Point (IRP): Requirements)	SA WG5	7.5.3	Approval		Approved (Rel-6 TS)
SP-030295	Rel-6 32.412-100 (Performance Management (PM) Integration Reference Point (IRP): Information Service)	SA WG5	7.5.3	Information		Noted
SP-030296	SA WG2 Status Report to TSG SA	SA WG2	7.2.1	Information		Noted
SP-030297	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval	SP-030343	Revised in SP-030343
SP-030298	CRs On 23.171 and 23.271(LCS Stage 2)	SA WG2	7.2.3	Approval	SP-030344	Revised in SP-030344
SP-030299	CRs On 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-030300	CRs On 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved. 23.141 CR051r1 Cat "F"
SP-030301	CRs On 23.141 (Presence)	SA WG2	7.2.3	Approval		23.141 CR051r1 Cat F - Approved
SP-030302	CRs On 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved
SP-030303	CRs On 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030304	CRs On 23.895 (Early UE handling)	SA WG2	7.2.3	Approval		Approved
SP-030305	WITHDRAWN: WID on Framework for Speech Enable Services in 3GPP System	SA WG2	7.2.3	Approval		WITHDRAWN
SP-030306	WID for Gq interface specification for Dynamic Policy control enhancements	SA WG2	7.2.3	Approval		Approved
SP-030307	Updated Work Item Description: PS domain and IM CN subsystem support for IMS Emergency sessions	SA WG2	7.2.3	Approval		Approved
SP-030308	Proposed WID on "Bandwidth and Resource savings and Speech enhancements for CS networks"	SA WG2	7.2.3	Approval		Approved. T-Mobile Rapporteur
SP-030309	Revised WID for IMS Stage-2 Enhancements	SA WG2	7.2.3	Approval	SP-030337	Revised in SP-030337
SP-030310	TS 23.240 v.2.0.0 for approval	SA WG2	7.2.3	Approval		Approved (Rel-6 Change Control)
SP-030311	TR 23.835 v.1.0.0 for information	SA WG2	7.2.3	Information		Noted. Delegates to consider TR and provide comments to SA2
SP-030312	TS 23.246 v.1.0.0 for information	SA WG2	7.2.3	Information		Noted. Delegates to consider TS and provide comments to SA2
SP-030313	TS 23.234 v.1.10.0 for information	SA WG2	7.2.3	Information		Noted. Scenario 3 should be agreed for Approval of TS

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030314	TS 23.195 v.2.0.0 for approval	SA WG2	7.2.3	Approval	SP-030335	Revised with recent agreements in SP-030335
SP-030315	Issues on ICID for REGISTER (CR attached)	NEC	7.5.2	Discussion / Approval	SP-030340	PDF Corrupted: Revised in SP-030340
SP-030316	Rel-5 CR 32111-2 (Fault Management; Part 2: Alarm IRP: Information Service) : Correction of imported references table for managedGeneric	SA WG5	7.5.3	Approval		Approved
SP-030317	Draft Report of TSG CN meeting #20	TSG CN Secretary	8.1.1	Information	SP-030334	WITHDRAWN - Replaced with SP-030334
SP-030318	Highlights and issues arising from TSG CN Meeting #20	TSG CN Chairman	8.1.1	Information		Noted
SP-030319	IETF status report	TSG CN Chairman	8.1.1	Information		Noted
SP-030320	LS (from TSG CN) on MNP	TSG CN	8.1.2	Information		Noted
SP-030321	Report of TSG GERAN Issues to TSG SA	TSG GERAN Chairman	8.4.1	Information		Noted
SP-030322	CR to 22.071 on Routing of Emergency Calls based on Geographic Coordinates	SA WG1	7.1.3	Approval		Approved. Version 6.3.0 confirmed
SP-030323	Draft Summary minutes, decisions and actions from 3GPP PCG Meeting#10, Ottawa, 2 May 2003	PCG Secretary	6.1	Information		Noted
SP-030324	Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#9, Ottawa, 2 May 2002	OP Secretary	6.1	Information		Noted
SP-030325	Concern over SA WG2 CR handling	Motorola	7.2.3	Information		Noted. SA2 to take note of suggestions for improvement of their working processes
SP-030326	Management of OMA Overlaps and Dependencies	Nortel Networks	8.6	Discussion	SP-030350	revised in SP-030350
SP-030327	CRs to TS 22.011 and 22.041 on WLAN (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030328	Report of Future Evolution meeting #4	FEW Secretary	8.9	Information		Noted
SP-030329	FEW summary report	FEW Chairman	8.9	Information		Noted
SP-030330	Draft TR on Future Evolution	FEW Chairman	8.9	Information		Noted. Updated version to be sent to SA e-mail list
SP-030331	3GPP Work Plan	MCC (A Sultan)	9.1			Noted
SP-030332	Presentation of 3GPP Work Plan	MCC (A Sultan)	9.1			Updated and used for Discussion on Freeze dates. New version in SP-030358
SP-030333	CRs to 22.038 to (U)SIM toolkit commands for MMS (Rel-6)	SA WG1	7.1.3	Approval	SP-030355	Revised in SP-030355
SP-030334	Draft Report of TSG CN meeting #20	TSG CN Secretary	8.1.1	Information	SP-030348	Revised version in SP-030348
SP-030335	TS 23.195 v.2.1.0 for approval	SA WG2	7.2.3	Approval		Approved and placed under Change Control **(Rel-5)**
SP-030336	Summary of Rel-5 features	MCC (A Sultan)	8.6	Information		Noted. Feedback requested to MCC
SP-030337	Revised WID for IMS Stage-2 Enhancements	SA WG2	7.2.3	Approval		Approved
SP-030338	Highlights and issues arising from TSG RAN Meeting #20	TSG RAN Chairman				Noted
SP-030339	Calendar of 3GPP Meetings	MCC	12	Information		Noted
SP-030340	Issues on ICID for REGISTER (CR attached)	NEC	7.5.2	Discussion / Approval		CR019 in SP-030271 approved. NEC to contribute to SA5 meeting
SP-030341	WID for Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces	SA WG3	7.3.3	Approval		Approved
SP-030342	Resolved Concerns over SA WG2 CR handling	SA WG2 Chairman	7.2.3	Discussion		Proposals accepted and comments added to Report
SP-030343	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030344	CRs On 23.171 and 23.271(LCS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030345	CR155r11 to 23.271: Addition of Mobile-based change of area event to deferred location request	SA WG2	7.2.3	Approval		Merged CRs 155r10 and 184r3. Approved
SP-030346	Managing work items which spread between 3GPP and OMA	Vodafone	8.6	Discussion		Discussed with SP-030350 and SP-030198. Joint Workshop and Draft Dependencies list to be set up
SP-030347	New Work Item Description on Work Item Description on Definition of teleservice using Multimedia Broadcast/Multicast Service (MBMS)	SA WG4	7.4.3	Approval		Approved
SP-030348	Draft Report of TSG CN meeting #20	TSG CN Secretary	8.1.1	Information		Noted
SP-030349	Church boat rowing competition	Meeting Hosts	13	Team Building		3 Teams to try not to drown after meeting. Specials Won resounding victory
SP-030350	Management of OMA Overlaps and Dependencies	Nortel Networks	8.6	Discussion		Discussed with SP-030198 and SP-030346. Joint Workshop and Draft Dependencies list to be set up
SP-030351	CR to 22.101 on Tidy-up of Subscriber Identification requirements (Rel-5/6)	SA WG1	7.1.3	Approval		Approved
SP-030352	Status Report of TSG T meeting #20 to TSG SA	TSG T Chairman	8.3.1	Information		Noted
SP-030353	Draft Report of TSG T meeting #20	TSG T Secretary	8.3.1	Information		Noted
SP-030354	revised WID on MMS enhancements	TSG T	8.3.2			SA1 to consider and feedback to T2. Noted
SP-030355	CRs to 22.038 to (U)SIM toolkit commands for MMS (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030356	Report of Support Team activities	MCC (A Scrase)	10	Information		Noted
SP-030357	WITHDRAWN - CRs to 21.102, 21.103, 41.102, 41.103 to point to replacement specs, and to 21.101 to change title	MCC (J Meredith)	8.7	Approval	SP-030359	No CR Description table. Replaced by SP-030359
SP-030358	Updated Presentation of 3GPP Work Plan	MCC (A Sultan)	8.6	Information		Updated SP-030332 after presentation. For Info - Noted
SP-030359	CRs to 21.102, 21.103, 41.102, 41.103 to point to replacement specs, and to 21.101 to change title	MCC (J Meredith)	8.7	Approval		Approved

Annex C: List of attendees and TSG SA Voting List

C.1   List of Attendees

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Harri Alamäki	Elisa Communications Corp.	harri.alamäki@radiolinja.fi		+358505065384	+3585085065384	3GPPMEMBER	ETSI	FI
Mr. Matti Alkula	NOKIA Corporation	matti.alkula@nokia.com	+358 50 483 7319	+358 7180 37319	+358 7180 36856	3GPPMEMBER	ETSI	FI
Mr. Niels Peter Skov Andersen	MOTOROLA A/S	npa001@motorola.com	+45 4018 4793	+45 43 48 81 10	+45 43 48 80 01	3GPPMEMBER	ETSI	DK
Mr. Ari Andersin	Elisa Communications Corp.	ari.andersin@radiolinja.fi		+358505065257	+3585085065257	3GPPMEMBER	ETSI	FI
Dr. Arun Arunachalam	Skyworks Solutions Inc.	arun.arunachalam@skyworksinc.com		+1 949 231 3855	+1 949 231 3800	3GPPMEMBER	T1	US
Mr. Anders Askerup	HEWLETT-PACKARD France	Anders.Askerup@hp.com		+1-402-384-7303	+1-402-384-7030	3GPPMEMBER	ETSI	FR
Mr. George Babut	Rogers Wireless Inc.	gbabut@rci.rogers.com		+1 416 935 6027	+1 416 935 7502	3GPPMEMBER	T1	CA
Mr. David Barnes	DTI	david@barnesdavid.com	+44 77 85 316 985	+44 1227 721797	+44 1634 572 360	3GPPMEMBER	ETSI	GB
Mr. Patrice Beaudou	SchlumbergerSema	Patrice.Beaudou@slb.com	+33 6 20 39 36 80	+33 1 46 00 70 83	+33 1 46 00 59 31	3GPPMEMBER	ETSI	FR
Mr. Rob Bennink	KPN N.V.	r.bennink@kpn.com		+31 70 343 7105	+31 70 343 7237	3GPPMEMBER	ETSI	NL
Mr. Balazs Bertenyi	NOKIA Corporation	balazs.bertenyi@nokia.com		+36209849152	+3612167684	3GPPMEMBER	ETSI	FI
Mr. Andrea Calvi	TELECOM ITALIA S.p.A.	andrea.calvi@telecomitalia.it		+39 011 228 7287	+39 011 228 7056	3GPPMEMBER	ETSI	IT
Mr. Paul Carpenter	RIM	pcarpenter@rim.net		+44 7736 961131	+44 1784 477 455	3GPPMEMBER	ETSI	CA
Mr. Wooyong Choi	SK Telecom	wychoi@sktelecom.com		+82-11-293-4561	+82-31-710-5299	3GPPMEMBER	TTA	KR
Mr. Alberto Ciarniello	TELECOM ITALIA S.p.A.	aciarniello@mail.tim.it		+39 063 900 9158	+39 063 900 9183	3GPPMEMBER	ETSI	IT
Mr. Michael Clayton	ETSI Secretariat	michael.clayton@etsi.org	+33 6 74 40 83 68	+33 4 92 94 42 28	+33 4 92 38 5215	3GPPORG_REP	ETSI	FR
Dr. Pascal Correc	CEGETEL	pascal.correc@cegetel.fr		+33 1 71 07 71 44	+33 1 71 08 33 24	3GPPMEMBER	ETSI	FR
Mr. François Courau	ALCATEL S.A.	francois.courau@alcatel.fr	+33 608 82 20 22	+33 6 08 82 20 22	+33 1 30 77 94 30	3GPPMEMBER	ETSI	FR
Mr. Bryan Curley	GSM Association	bcurley@gsm.org	+353 87 2492333	+353 87 2492333	+353 87 52492333	3GPPMARK_REP	OTHER	IE
Dr. Elizabeth Daniel	Lucent Technologies N. S. UK	lizdaniel@lucent.com	+44 77 70 682 461	+44 1793 897312	+44 1793 897414	3GPPMEMBER	ETSI	GB
Mr. Jean-Jacques Davidian	NTT DoCoMo	davidian@docomo.fr		+33 1 5688 3030	+33 1 5688 3045	3GPPMEMBER	ETSI	JP
Mr. Maurizio de Gregorio	TELECOM ITALIA S.p.A.	madegregorio@mail.tim.it		+39 06 3900 9448	+39 06 3900 9033	3GPPMEMBER	ETSI	IT
Dr. Dirk Didascalou	SIEMENS Mobile Communications	dirk.didascalou@siemens.com	+49-160-4715 418	+49-89-722 58574	+49-89-722 37078	3GPPMEMBER	ETSI	IT
Mr. Ian Doig	MOTOROLA S.A.S	ian.doig@motorola.com	+33 6 11 16 88 06	+33 4 92 94 48 64	+33 4 93 95 80 52	3GPPMEMBER	ETSI	FR
Dr. Ulrich Dropmann	SIEMENS AG	ulrich.dropmann@siemens.com	+49 173 358 6241	+49 89 636 75214	+49 89 636 75577	3GPPMEMBER	ETSI	DE
Mr. Ed Ehrlich	Nokia Telecommunications Inc.	ed.ehrlich@nokia.com	+1 214 707 0812	+1 972 894 4495	+1 972 894 5525	3GPPMEMBER	T1	US
Mr. Jan Ellsberger	Nippon Ericsson K.K.	jan.ellsberger@era.ericsson.se		+46 8 508 77965	+46 8 508 77 300	3GPPMEMBER	ARIB	JP
Mr. Eisuke Fukuda	Fujitsu Limited	efukuda@jp.fujitsu.com		+81 44 754 8511	+81 44 754 8540	3GPPMEMBER	ARIB	JP
Mr. Jeremy Fuller	NORTEL NETWORKS (EUROPE)	jfuller@nortelnetworks.com		+44 1628 434 679	+44 1628 434 034	3GPPMEMBER	ETSI	GB
Mr. Kenji Furukawa	NTT DoCoMo	furukawa@nttdocomo.co.jp		+81 3 5156 1747	+81 3 5156 0232	3GPPMEMBER	ETSI	JP
Mr. Yukitsuna Furuya	NEC Corporation	y-furuya@bl.jp.nec.com		+81-3-3798-5235	+81-3-3798-8957	3GPPMEMBER	ARIB	JP
Mr. James Garrahan	Telcordia Technologies Inc.	jgarraha@telcordia.com		+1 732 758 5227	+1 732 758 4450	3GPPMEMBER	T1	US
Mr. Cesar Gutierrez Miguelez	ETSI Secretariat	cesar.gutierrez@etsi.org		+33 4 92 94 43 21		3GPPORG_REP	ETSI	FR
Mr. Fumihiko HADA	ARIB	f-hada@arib.or.jp		+81-3-5510-8594	+81-3-3592-1103	3GPPORG_REP	ARIB	JP

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Markus Hakaste	NOKIA Corporation	markus.hakaste@nokia.com	+358 40 580 8968	+358 7180 36419	+358 7180 30040	3GPPMEMBER	ETSI	FI
Mr. Harri Halminen	Nokia Japan Co, Ltd	harri.halminen@nokia.com		+358 505572260	+358 718048359	3GPPMEMBER	ARIB	JP
Mr. Gerfried Handke	Unisys Deutschland GmbH	gerfried.handke@de.unisys.com		+49 6196 99-1480	+49 69 255 77 369	3GPPMEMBER	ETSI	DE
Mr. Rizwan Hassan	SAMSUNG Electronics	rhassan@seri.co.uk		+44 1784 428 600	+44 1784 428 629	3GPPMEMBER	ETSI	GB
Mr. Stephen Hayes	Ericsson Inc.	stephen.hayes@ericsson.com	+1 469 360 8500	+1 972 583 5773	+1 801 409 6319	3GPPMEMBER	T1	US
Mr. Andrew Howell	MOTOROLA GmbH	andrew.howell@motorola.com	+44 77 85 363 850	+44 1452 623967	+44 1256 790 190	3GPPMEMBER	ETSI	DE
Mr. Eric Huberlant	ORANGE FRANCE	eric.huberlant@francetelecom.com		+33 1 45 29 52 83	+33 1 45 29 43 99	3GPPMEMBER	ETSI	FR
Mrs. Karen Hughes	ETSI Secretariat	karen.hughes@etsi.org		+33 4 92 94 43 53	+33 4 92 38 49 25	3GPPORG_REP	ETSI	FR
Mr. Yoshihide Ishida	ARIB	ishida@arib.or.jp		+813 5510 8594	+813 3592 1103	3GPPORG_REP	ARIB	JP
Mr. Edouard Issenmann	ALCATEL S.A.	edouard.issenmann@alcatel.fr		+33 1 30 77 93 01	+33 1 30 77 0369	3GPPMEMBER	ETSI	FR
Mr. Kari Järvinen	NOKIA Corporation	kari.ju.jarvinen@nokia.com	+358 50 555 0999	+358 71803 5854	+358 7180 35888	3GPPMEMBER	ETSI	FI
Mr. Gary Jones	T-Mobile USA Inc.	gary.jones@t-mobile.com	+1 201486 0949	+1 202.654.5950	+1 202 654 5963	3GPPMEMBER	T1	US
Mr. Mikko Kanerva	NOKIA Corporation	mikko.j.kanerva@nokia.com	+358 40 504 0735	+358 40 504 0735	+358 7180 30040	3GPPMEMBER	ETSI	FI
Mr. Mike Karimian	Panasonic (MMCDE)	mkarimian@panasonicatlanta.com		+1 770-338-6246	+1 770-338-6238	3GPPMEMBER	ETSI	GB
Mr. Yukio Kawanami	NEC Corporation	kawanami@cj.jp.nec.com		+81 471 85 7158	+81 471 85 7908	3GPPMEMBER	TTC	JP
Mr. Hiroshi Komatsu	J-Phone Co., Ltd.	hiroshi.komatsu@j-phone.com		+81 6403 1039	+81-34288 2341	3GPPMEMBER	ARIB	JP
Mr. Takashi Koshimizu	NTT DoCoMo Inc.	koshimizu@docomolab-euro.com		+49 89 56824 230	+49 89 56824 301	3GPPMEMBER	TTC	JP
Mr. Jani Krigsman	Elisa Communications Corp.	jani.krigsman@radiolinja.fi		+358505065702	+3585065065702	3GPPMEMBER	ETSI	FI
Mr. Kari Lang	NOKIA Corporation	kari.j.lang@nokia.com	+358 50 1846	+358 50 1846	+358 7180 36856	3GPPMEMBER	ETSI	FI
Mr. Hyeon Woo Lee	Samsung Electronics Co., Ltd	woojaa@samsung.com		+82 31 279 5120	+82 31 779 8003	3GPPMEMBER	TTA	KR
Dr. Bengt-Ake Lindholm	TeliaSonera AB	bengt-ake.i.lindholm@telia.se	+46 70 655 52 66	+46 8 713 81 24	+46 8 713 81 49	3GPPMEMBER	ETSI	SE
Mr. Tomi Maila	Elisa Communications Corp.	Tomi.Maila@Radiolinja.fi		+358505065705	+3588505065705	3GPPMEMBER	ETSI	FI
Miss Luisa Marchetto	AT&T Wireless Services, Inc.	luisa.marchetto@attws.com		+425.580.6840		3GPPMEMBER	T1	US
Mr. Kari Marttinen	TeliaSonera AB	kari.marttinen@teliasonera.com	+358400400068	+358204066816	+358420400068	3GPPMEMBER	ETSI	SE
Mr. Steve Mecrow	mmO2 plc	steve.mecrow@o2.com	+44 7710 028 511	+44 1 394 380694	+44 1 977 593823	3GPPMEMBER	ETSI	GB
Mr. John M Meredith	ETSI Secretariat	john.meredith@etsi.org	+33 (0)6 10 42 03 76	+33 4 92 94 42 37	+33 (0)4 92 38 52 37	3GPPORG_REP	ETSI	FR
Mr. Jürgen Merkel	SIEMENS AG	juergen.merkel@siemens.com	+49 160 88 34732	+49 89 636 75212		3GPPMEMBER	ETSI	DE
Mr. Hiroshi Nakamura	NTT DoCoMo Inc.	naka@netlab.nttdocomo.co.jp		+81 46 840 3970	+81 86 840 3723	3GPPMEMBER	TTC	JP
Ms. Antonella Napolitano	TELECOM ITALIA S.p.A.	annapolitano@mail.tim.it		+39 0639004405	+390639004316	3GPPMEMBER	ETSI	IT
Mr. Valtteri Niemi	NOKIA Corporation	valtteri.niemi@nokia.com		+358 50 4837 327	+358 9 437 66850	3GPPMEMBER	ETSI	FI
Mr. Klaus Nieminen	FICORA	klaus.nieminen@ficora.fi		+358 9 6966 634	+358 9 6966 873	3GPPMEMBER	ETSI	FI
Mr. Kazuo Nogami	Toshiba Corporation	kazuo1.nogami@toshiba.co.jp	+81-428-34-5147	+81 428 34 1651	+81 428 30 7386	3GPPMEMBER	ARIB	JP
Mr. Magnus Olsson	ERICSSON L.M.	magnus.olsson@era.ericsson.se	+46 70 576 1918	+46 8 585 31454		3GPPMEMBER	ETSI	SE
Mr. Vinod Pandey	Cisco Systems France	vpandey@cisco.com		+1 408 853 9596	+1 408 853 0406	3GPPMEMBER	ETSI	FR
Mr. Ian David Chalmers Park	VODAFONE LTD	ian.park@gb.vodafone.co.uk	+44 7785 300 290	+44 1635 673 527	+44 1635 233 562	3GPPMEMBER	ETSI	GB
Mrs. Sari Pekkarinen	Elisa Communications Corp.	sari.pekkarinen@radiolinja.fi		+358505065287	+3585085065287	3GPPMEMBER	ETSI	FI
Mr. Hannu Pirila	Nokia Korea	hannu.i.pirila@nokia.com		+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	TTA	KR
Mr. Maurice Pope	ETSI Secretariat	maurice.pope@etsi.org	+33 (0)6 07 59 08 49	+33 4 92 94 42 59	+33 4 92 38 52 59	3GPPORG_REP	ETSI	FR
Mr. Mikko Puuskari	NOKIA Corporation	mikko.puuskari@nokia.com	+358 50 4837326	+358718037326	+358718036850	3GPPMEMBER	ETSI	FI
Mr. Magnus Qvarnström	SWISSCOM	magnus.qvarnstroem@swisscom.com		+41 31 342 1111	+41 31 892 36 62	3GPPMEMBER	ETSI	CH
Mr. Johannes Rainer	ÖFEG	Johannes.Rainer@oefeg.at		+43 1 797 8062	+43 1 797 8013	3GPPMEMBER	ETSI	AT
Mr. Rauli Rautavuori	Elisa Communications Corp.	rauli.rautavuori@elisa.fi		+358 102 622 871	+358 102 624 839	3GPPMEMBER	ETSI	FI
Mr. Derek John Richards	Megisto Systems Inc.	drichards@megisto.com		+44 1285 810 106		3GPPMEMBER	ETSI	US
Mr. Friedhelm Rodermund	ETSI Secretariat	friedhelm.rodermund@etsi.org	+33 6 74 40 83 75	+33 4 92 94 43 24	+33 4 92 38 52 34	3GPPORG_REP	ETSI	FR

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Jens Roegen	TDC Switzerland AG	jens.roegen@sunrise.net		+41 76 300 42 63	+41 86 076 369 42 63	3GPPMEMBER	ETSI	CH
Mr. Jean-Francois Rubon	GEMPLUS Card International	jean-francois.rubon@gemplus.com	+33 6 88 38 76 65	+33 4 42 36 66 39	+33 4 42 36 41 00	3GPPMEMBER	ETSI	FR
Mr. Nick Sampson	ORANGE PCS LTD	nick.sampson@orange.co.uk	+44 7973 963 519	+44 7973 963519	+44 7973 987883	3GPPMEMBER	ETSI	GB
Miss Katariina Säntti	Elisa Communications Corp.	katariina.santti@elisa.fi		+358 10 26 24933	+358 10 26 25271	3GPPMEMBER	ETSI	FI
Mr. Kazuyoshi Sato	Mitsubishi Electric Co.	ka.sato@cew.melco.co.jp		+81 6 6495 6495	+81 6 6495 5266	3GPPMEMBER	ARIB	JP
Dr. Gary Schlanger	AT&T Wireless Services, Inc.	gschlanger@comcast.net	+1 973 454 7230	+1-973-454-7230	+1-603-676-9637	3GPPMEMBER	T1	US
Mr. Adrian Scrase	ETSI Secretariat	adrian.scrase@etsi.org	06 07 590 851	+33 4 92 94 42 54	+33 4 92 38 52 54	3GPPORG_REP	ETSI	FR
Mr. Iain Sharp	NORTEL NETWORKS (EUROPE)	isharp@nortelnetworks.com		+44 1628 43 42 87	+441628437310	3GPPMEMBER	ETSI	GB
Mr. Toshihiro Shimizu	NTT DoCoMo Inc.	toshi.shimizu@docomoeuro.com	+44 789 906 0714	+44 20 8228 1435	+44 20 8228 5244	3GPPMEMBER	ARIB	JP
Mr. Takuya Shinozaki	ARIB	shinozakita@nttdocomo.co.jp		+81 3 5156 1747	+81 3 5156 0232	3GPPORG_REP	ARIB	JP
Ms. Pilar Sierra	TELEFONICA de España S.A.	sierra_p@tsm.es		+34 609002225	+34 680017957	3GPPMEMBER	ETSI	ES
Mr. Timo Sippola	Elisa Communications Corp.	timo.sippola@elisa.fi		+358 102623038	+358 102624839	3GPPMEMBER	ETSI	FI
Mr. Timo Smura	Elisa Communications Corp.	timo.smura@elisa.fi	+358 50 536 9855	+358 10 262 9154	+358 10 262 4839	3GPPMEMBER	ETSI	FI
Mr. Prem Sood	SHARP Corporation	pls@sharplabs.com		+1 360 834 8708	+1 360 834 8696	3GPPMEMBER	ARIB	JP
Mr. Alain Sultan	ETSI Secretariat	alain.sultan@etsi.org		+33 4 92 94 42 71	+33 4 93 65 28 17	3GPPORG_REP	ETSI	FR
Mr. Jonas Sundborg	Ericsson Korea	jonas.sundborg@era.ericsson.se	+46 70 674 8035	+46 8 404 8035	+46 70 616 8035	3GPPMEMBER	TTA	KR
Mr. Denis Susko	CETECOM GmbH	denis.susko@cetecom.de		+49 2054 9519 947	+49 2054 9519 86	3GPPMEMBER	ETSI	DE
Mr. Bill Szelazek	3	Bill.Szelazek@three.co.uk	+44 7764613913	+44 7764613913	+44 1628 766012	3GPPMEMBER	ETSI	GB
Mr. Kunihiko Taya	NEC Corporation	taya@bk.jp.nec.com		+81 3 3798 5237	+81 3 3798 8957	3GPPMEMBER	TTC	JP
Mr. Bryan Taylor	RIM	btaylor@rim.net	+1 519 721 0123	+1 519 8887465 x2245	+1 519 888 6727	3GPPMEMBER	ETSI	CA
Mr. Kazuhiko Terashima	Sony Ericsson Mobile	tera@wtlab.sony.co.jp		+81 3 5782 5199	+81 3 5782 5213	3GPPMEMBER	ARIB	JP
Mr. Armin Toepfer	Vodafone D2 GmbH	Armin.Toepfer@vodafone.com	+49 172 2100748	+49 211 533 2838	+49 211 533 2804	3GPPMEMBER	ETSI	DE
Ms. Jean Trakinat	National Communications System	trakinaj@ncs.gov		+1-703-607-6113	+1-703-607-4830	3GPPMEMBER	ETSI	US
Mr. Michael Truss	MOTOROLA Ltd	Michael.Truss@motorola.com		+353 21 4511 327	+353 21 4357 635	3GPPMEMBER	ETSI	GB
Mr. Paolino Usai	ETSI Secretariat	paolo.usai@etsi.org	+336 74 40 83 73	+33 4 92 94 42 36	+33 4 92 38 52 06	3GPPORG_REP	ETSI	FR
Mr. Jari Vainikka	NOKIA Corporation	jari.vainikka@nokia.com	+358 40 511 8866	+358 71 807 3056	+358 71 803 0163	3GPPMEMBER	ETSI	FI
Mr. Hans van der Veen	NEC EUROPE LTD	Hans.vanderVeen@ccrle.nec.de	+49 (0)160 873 7910	+49 (0)6221 905 1135	+49 (0)6221 905 1155	3GPPMEMBER	ETSI	GB
Miss Jie Wang	HuaWei Technologies Co., Ltd	jie_wang@huawei.com		+86 755 6532419	+86 755 6532418	3GPPMEMBER	CWTS	CN
Miss Yanhong Wang	HuaWei Technologies Co., Ltd	Wangyanhong@huawei.com		+86-21-38784636-6336	+86-21-50470076	3GPPMEMBER	CWTS	CN
Mr. Anthony Wiener	T-Mobile (UK)	tony.wiener@t-mobile.co.uk		+44 20 8214 2290	+44 20 8905 1671	3GPPMEMBER	ETSI	GB
Dr. David Hugh Williams	QUALCOMM EUROPE S.A.R.L.	dwilliams@qualcomm.com	+33 6 61 26 83 69	+33661268369		3GPPMEMBER	ETSI	FR
Dr. Raziq Yaqub	Toshiba Corporation	ryaqub@tari.toshiba.com	+1-908-319-8422	+1 973 829 2103	+1-973-829-5601	3GPPMEMBER	ARIB	JP
Mr. Hyuk Yi	LG Electronics Inc.	lsummit@lge.com		+82 31 450 2061	+82 31 450 2944	3GPPMEMBER	TTA	KR
Mr. Do-Hyon Yim	Samsung Electronics Co., Ltd	ydhyon@samsung.com		+82-31-279-5307	+82-31-279-5515	3GPPMEMBER	TTA	KR
Mr. Sang-Ui Yoon	ETSI Secretariat	Sang-Ui.Yoon@etsi.org		+33 4 92 94 42 97	+33 4 92 38 52 93	3GPPORG_REP	ETSI	FR
Mr. Yukio Yoshimura	NEC Corporation	y-yoshimura@ax.jp.nec.com		+81-45-939-6308	+81-45-939-2179	3GPPMEMBER	ARIB	JP
Mr. Keiji Yoshino	TTC	yoshino@ttc.or.jp		+81 3 3432 1551	+81 3 3432 1553	3GPPORG_REP	TTC	JP
Mr. Donald E. Zelmer	Cingular Wireless LLC	don.zelmer@cingular.com	+1 704 737 9950	+1 404 236 5912	+1 404 236 5968	3GPPMEMBER	T1	US
Mr. Adrian Zoicas	ETSI Secretariat	adrian.zoicas@etsi.org	+33 6 74 40 83 72	+33 4 92 94 42 21	+33 4 92 38 52 21	3GPPORG_REP	ETSI	FR

117 Participants

C.2   List of eligible Voting members for TSG SA#21

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #19 or #18 (representation of an Individual Member at any of TSG SA Meetings #18, #19 or #20).

Voting list for 3GPP TSG SA (Technical Specification Group - Services and System Aspects)		
List Created on: 20 June 2003		
This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #20** Inclusion on the list is obtained by attending a meeting of **TSG SA** A company is removed from this list if it is not represented at any of the 3 previous meetings of this group. If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.org		
Organisation Name	**Organisation Status**	**Country**
3	3GPPMEMBER - ETSI	GB
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
BT Group Plc	3GPPMEMBER - ETSI	GB
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CWTS	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
COMNEON GmbH & Co	3GPPMEMBER - ETSI	DE
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
Dolby Laboratories Inc.	3GPPMEMBER - ETSI	GB
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Electronics & Telecommunications Research Institute	3GPPMEMBER - ETSI	KR
Elisa Communications Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS Card International	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
GROUPE CEGETEL	3GPPMEMBER - ETSI	FR
HEWLETT-PACKARD France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
INTEL CORPORATION SARL	3GPPMEMBER - ETSI	FR
INTERDIGITAL COMMUNICATIONS CORPORATION	3GPPMEMBER - ETSI	US
J-Phone Co., Ltd.	3GPPMEMBER - ARIB	JP
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies	3GPPMEMBER - T1	US
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MARCONI COMMUNICATIONS	3GPPMEMBER - ETSI	GB
Matsushita Mobile Communication Development of Europe Limited (MMCDE)	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MELCO MOBILE COMMUNICATIONS EUROPE S.A.	3GPPMEMBER - ETSI	FR
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA JAPAN LTD	3GPPMEMBER - ARIB	JP
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP

Organisation Name	Organisation Status	Country
NEC Corporation	3GPPMEMBER - TTC	JP
NEC Electronics (Europe) GmbH	3GPPMEMBER - ETSI	DE
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
NOKIA KOREA	3GPPMEMBER - TTA	KR
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - T1	US
Norwegian Post and Telecommunications Authority	3GPPMEMBER - ETSI	NO
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs-Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
Panasonic Mobile Communications Co.,Ltd.	3GPPMEMBER - ARIB	JP
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
Research Institute for Transmission and Telecommunication	3GPPMEMBER - ETSI	CN
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - T1	US
SchlumbergerSema - Schlumberger Systèmes S.A	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
Sony Ericsson Mobile Communications Japan, Inc	3GPPMEMBER - ARIB	JP
SWISSCOM SA	3GPPMEMBER - ETSI	CH
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - T1	US
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
TEKTRONIX GmbH & Co KG	3GPPMEMBER - ETSI	DE
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
VIPnet d.o.o	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB

Total: 105 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #20

D.1   Release 1999 GSM Specifications and reports

See also: http://www.3gpp.org/specs/specs.htm
NEW: **Web-Based Specifications Database**: http://www.3gpp.org/specs/numbering.htm

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.10.0	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30
TS	03.19	GSM API for SIM toolkit stage 2	8.5.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.7.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	8.3.0	R99	G3new	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.4.0	R99	T3	SALMERON, Lidia	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4).

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G1	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

D.2   Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.12.0	R99	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	LAUMEN, Josef	(development in T2)
TS	23.002	Network architecture	3.6.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.15.0	R99	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.17.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.9.0	R99	N1	HOWELL, Andrew	Transfer>TSG4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.16.0	R99	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	25.302	Services provided by the physical layer	3.15.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.9.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.8.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.401	UTRAN overall description	3.10.0	R99	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	TOWNEND, Richard	Approval at TSG#5
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.942	RF system scenarios	3.3.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	WILD, Johanna	GPRS

Type	Number	Title	Ver at TSG#20	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)	3.11.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.13.0	R99	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	OSA subgroup
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.10.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.6.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.6.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Poin (IRP)t; Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) solution set	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP): Information model (including Network Resource Model NRM))	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.9.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

D.2.1   Release 1999 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03)

D.3   Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	4.9.0	Rel-4	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.0	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.071	Location Services (LCS); Stage 1	4.4.1	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	23.002	Network architecture	4.8.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.8.0	Rel-4	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.9.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	Rel-4	S2	GREIS, Marc	was 23.907

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.153	Out of Band Transcoder Control; Stage 2	4.8.0	Rel-4	N4	HODGES, Phil	New after TSG#5
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.7.0	Rel-4	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.9.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.910	Circuit switched data bearer services	4.7.0	Rel-4	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.11.0	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	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	25.143	UTRA repeater; Conformance testing	4.8.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.302	Services provided by the physical layer	4.7.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.5.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.7.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	TOWNEND, Richard	Approval at TSG#5
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	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99.
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
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	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
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

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
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
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.0	Rel-4	N3	WILD, Johanna	GPRS
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.010	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)	4.6.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.8.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.8.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.2	Rel-4	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.1.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.10.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.5.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	4.6.0	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.0.2	Rel-4	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	4.0.1	Rel-4	S5	TSE, Edwin	was 32.112-2
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.3.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.4.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.3.0	Rel-4	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.4.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.3.0	Rel-4	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.3.0	Rel-4	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.5.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.5.0	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	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.2.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.11.0	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	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.8.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.8.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402.

D.3.1   Release 4 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.122	Universal Subscriber Identity Module (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

D.4   Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.4.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	5.1.1	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	LAUMEN, Josef	(development in T2)
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	SP-16: to "GERAN" set.
TS	23.002	Network architecture	5.11.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.1.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.7.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.6.0	Rel-5	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.1.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.4.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.2.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.9.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.5.0	Rel-5	N4	HODGES, Phil	New after TSG#5
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.0.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.6.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	5.7.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.7.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.3.0	Rel-5	N2	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.
TR	23.910	Circuit switched data bearer services	5.3.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.1.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.8.0	Rel-5	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.3.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.5.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.143	UTRA repeater; Conformance testing	5.5.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	25.302	Services provided by the physical layer	5.5.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.6.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.5.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.4.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.401	UTRAN overall description	5.6.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	5.2.0	Rel-5	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.3.0	Rel-5	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	ISOKANGAS, Jari	2003-01: title changed from "Traffic termination point swapping" some time ago.
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena Eva	Previous rapporteur: Shahrokh Amirijoo.
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	Transfer>TSG#4
TS	26.103	Speech codec list for GSM and UMTS	5.4.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.1.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.7.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.0.0	Rel-5	S4	VAINIO, Janne	Cf 26.975.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.4.0	Rel-5	N3	WILD, Johanna	GPRS
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.3.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4

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TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.3.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.6.0	Rel-5	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.4.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.3.0	Rel-5	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.207	Policy control over Go interface	5.4.0	Rel-5	N3	YOKOTA, Daisuke	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.4.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.4.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.6.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.2.0	Rel-5	N2	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.0	Rel-5	N5	UNMEHOPA, Musa	Evidence for existance unearthed in N5-020143.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.1	Rel-5	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.1.0	Rel-5	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.4.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	5.4.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.4.0	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.5.0	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	5.1.0	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-2
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.2.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.3.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) information service	5.1.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	5.1.1	Rel-5	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.1.0	Rel-5	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.1.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	Rel-5	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4

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TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.1.0	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.2.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.1.0	Rel-5	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.623-4
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.4.0	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.4.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.3.0	Rel-5	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.3.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	5.1.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.6.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.9.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1.
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	5.6.0	Rel-5	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.0.0	Rel-5	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	5.4.0	Rel-5	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.3.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	5.3.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

D.4.1   Release 5 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	25.876	Multiple-Input Multiple-Output Antennae	1.1.0	Rel-5	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	0.0.0	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	0.0.1	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.

D.5   Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.011	Service accessibility	6.1.0	Rel-6	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	6.4.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.2.0	Rel-6	S1	LAUMEN, Josef	(development in T2)
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.2.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.

Type	Number	Title	Ver at TSG#20	Rel	TSG/WG	Editor	Comment
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA.
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: created from 22.940.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.950	Priority service feasibility study	6.2.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR.
TS	23.002	Network architecture	6.1.0	Rel-6	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.1.0	Rel-6	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.1.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	6.1.0	Rel-6	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	6.0.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.221	Architectural requirements	6.0.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.0.0	Rel-6	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile'
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.4.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.1.0	Rel-6	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	25.401	UTRAN overall description	6.1.0	Rel-6	R3	CALMEL, Jean-Marie	Approval at TSG#5
TR	25.942	RF system scenarios	6.0.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.2.0	Rel-6	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.2.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	TON, Wim	Test spec is 34.131.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.0.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars)
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.2.0	Rel-6	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.2.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910.
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	GUTHERY, Scott B.	Base spec is 31.131.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.0.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	6.2.0	Rel-6	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	6.0.0	Rel-6	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811.
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.0.0	Rel-6	S3	WALKER, Michael	Not subject to export control.

D.6   Other 3GPP Specifications and reports to be allocated to (or identified for) Release 6 (TBC)

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977).
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	none	Rel-6	S1	AMERY, Paul	Cf work item 'Generic user profile"
TR	22.949	Study on a generalized privacy capability	0.1.0	Rel-6	S1	GARRAHAN, James	WI: PrivCap.
TR	22.952	Priority service implementation guide	none	Rel-6	S1	GARRAHAN, James	Work item = PRIOR.
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...".
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	0.3.0	Rel-6	T2	BISCHINGER, Kurt	Cf work item 'Generic user profile"
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description (Stage 2)	1.0.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	1.0.0	Rel-6	S2	DAMIDAUX, Jean-louis	WID contained in S2-022472. See also http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html.
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964.
TR	23.867	Internet Protocol (IP) based IP Multimeida Subsystem (IMS) emergency sessions	0.2.0	Rel-6	S2	POIKSELKA, Miikka	2003-04-02 Raooirteur: Intention is to transfer this material into 23.002, 23.060 and 23.228.
TR	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study	0.7.0	Rel-6	S2	MOUSSET, Claire	Work Item: SP-020140
TR	23.976	Push architecture	0.4.0	Rel-6	S2	YOON, Sang-Ui	2003-02-04: 23.876 -> 23.976
TS	24.241	3GPP Generic User Profile (GUP) requirements; Stage 3; Access; Common objects	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile" - may be renumbered to 27.241
TR	25.893	Radio access bearer scenarios	none	Rel-6	R2	MIKOLA, Juha	2003-05-26: to be stopped.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	26.246	Transparent end-to-end transparent Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	0.0.1	Rel-6	S4	GRASSEL, Guido	Created S4-25bis. See S4-030135.
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	none	Rel-6	N4	JANSSON, Jari	Work item description in N4-021258.
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	none	Rel-6	N4	RODRIGUEZ, Raquel	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157)
TS	29.240	Generic User Profile (GUP); Stage 3; Network	none	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile' - may be renumbered to 27.241
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	1.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005.
TS	32.150	Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2	none	Rel-6	S5	MUDGE, John	Justification: see SP-020608. Stage 3: see 27.150.
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2	0.4.1	Rel-6	G2	EDWIN, Diana	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes to existing GERAN protocol specs.
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	0.5.0	Rel-6	G2	GESSNER, Christina	Work item = SSStrea.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	BLADSJO, David	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6.

D.7   Other 3GPP Specifications and reports to be allocated to (or identified for) Release 7 (TBC)

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	25.802	Remote control of electrical tilting antennas)	none	Rel-7	R3	HAUSER, Andreas	RP-19: WI = RP-030193. 2003-04-14: WG Sec reports that this may need to be a xx.8xx number instead. 2003-05-12: 25.802 reserved as well as 25.997. One or other of these numbers will be used, the other returned to the pool. TP-20: This one is confirmed
TR	25.997	(provisionally reserved for: Remote control of electrical tilting antennas) - TP-20: number not used, bacame 25.802.	none	Rel-7	R3	HAUSER, Andreas	RP-19: WI = RP-030193. 2003-04-14: WG Sec reports that this may need to be a xx.8xx number instead.

Annex E: List of Change Requests and their status after TSG SA Meeting #20

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030240	21.905	048	-	4.4.0	Rel-4	Correction of acronyms in TR21.905	approved	F	4.5.0	Vocabulary for 3GPP Specifications
SP-030240	21.905	049	-	5.6.0	Rel-5	Correction of acronyms in TR21.905	approved	A	5.7.0	Vocabulary for 3GPP Specifications
SP-030247	21.905	047	-	6.2.0	Rel-6	Addition of the definition and acronym of 3GPP Generic User Profile	approved	B	6.3.0	Vocabulary for 3GPP Specifications
SP-030240	21.905	050	-	6.2.0	Rel-6	Correction of acronyms in TR21.905	approved	A	6.3.0	Vocabulary for 3GPP Specifications
SP-030327	22.011	051	-	6.0.0	Rel-6	Network Selection requirements for WLAN Interworking	approved	B	6.1.0	Service accessibility
SP-030249	22.011	051	-	6.0.0	Rel-6	Network Selection requirements for WLAN Interworking	withdrawn	B		Service accessibility
SP-030248	22.011	052	-	6.0.0	Rel-6	Network selection in shared networks	approved	B	6.1.0	Service accessibility
SP-030238	22.038	009	-	3.2.0	R99	Clean up of (U)SAT requirements	approved	F	3.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030238	22.038	010	-	4.1.0	Rel-4	Clean up of (U)SAT requirements	approved	A	4.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030238	22.038	011	-	5.2.0	Rel-5	Clean up of USAT requirements	approved	A	5.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030250	22.038	013	-	5.2.0	Rel-6	MMS support on the card	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030333	22.038	014	-	5.2.0	Rel-6	MMS support on the card	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030355	22.038	015	-	5.2.0	Rel-6	MMS support on the card	approved	B	6.0.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-030241	22.042	004	-	4.1.0	Rel-4	Alignment of TS 22.042 (NITZ) with implementation in TS 24.008	approved	F	4.2.0	Network Identity and Time Zone (NITZ) service description; Stage 1
SP-030241	22.042	005	-	5.0.0	Rel-5	Alignment of TS 22.042 (NITZ) with implementation in TS 24.008	approved	A	5.1.0	Network Identity and Time Zone (NITZ) service description; Stage 1
SP-030242	22.066	005	-	5.0.0	Rel-5	Charging Requirements in an MNP environment	revised	F		Support of Mobile Number Portability (MNP); Stage 1
SP-030263	22.066	005	1	5.0.0	Rel-5	Charging Requirements in an MNP environment	approved	F	5.1.0	Support of Mobile Number Portability (MNP); Stage 1
SP-030242	22.066	006	-	6.0.0	Rel-6	Charging Requirements in an MNP environment	revised	A		Support of Mobile Number Portability (MNP); Stage 1
SP-030263	22.066	006	1	6.0.0	Rel-6	Charging Requirements in an MNP environment	approved	A	6.1.0	Support of Mobile Number Portability (MNP); Stage 1
SP-030251	22.067	005	-	6.0.0	Rel-6	Changes to align with 23.067 for Priority Service	approved	F	6.1.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1
SP-030252	22.071	050	-	6.3.0	Rel-6	Introduction of codeword generation by network or UE	approved	B	6.4.0	Location Services (LCS); Stage 1
SP-030252	22.071	051	-	6.3.0	Rel-6	LCS in IMS	approved	B	6.4.0	Location Services (LCS); Stage 1
SP-030252	22.071	052	-	6.3.0	Rel-6	Clarification of requirement regarding 'Query, Cancel of activated location requests for the Target UE'	approved	F	6.4.0	Location Services (LCS); Stage 1
SP-030322	22.071	053	-	6.3.0	Rel-6	Routing of Emergency Calls based on Geographic Coordinates	approved	B	6.4.0	Location Services (LCS); Stage 1
SP-030239	22.101	121	-	3.13.0	R99	Correction to R99 emergency calls when attached to data only networks	approved	F	3.14.0	Service aspects; Service principles

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030239	22.101	122	-	4.6.0	Rel-4	Correction to Rel-4 emergency calls when attached to data only networks	approved	A	4.7.0	Service aspects; Service principles
SP-030239	22.101	123	-	5.9.0	Rel-5	Correction to Rel-5 emergency calls when attached to data only networks	approved	A	5.10.0	Service aspects; Service principles
SP-030244	22.101	124	-	5.9.0	Rel-5	Alignment of Subscriber Identification requirements to current implementation	revised	F		Service aspects; Service principles
SP-030351	22.101	124	1	5.9.0	Rel-5	Alignment of Subscriber Identification requirements to current implementation	approved	F	5.10.0	Service aspects; Service principles
SP-030253	22.101	120	-	6.3.0	Rel-6	Clarification of UE Requirements for Emergency Calls	rejected	F		Service aspects; Service principles
SP-030244	22.101	125	-	6.3.0	Rel-6	Alignment of Subscriber Identification requirements to current implementation	revised	A		Service aspects; Service principles
SP-030351	22.101	125	1	6.3.0	Rel-6	Alignment of Subscriber Identification requirements to current implementation	approved	A	6.4.0	Service aspects; Service principles
SP-030258	22.101	126	-	6.3.0	Rel-6	Storage of generic user information on the USIM	withdrawn	B		Service aspects; Service principles
SP-030254	22.105	042	-	6.1.0	Rel-6	Service Based Local Policy Requirements	approved	B	6.2.0	Services and service capabilities
SP-030245	22.115	011	-	5.2.0	Rel-5	SMS on CS and PS domain, charging aspect	approved	F	5.3.0	Service Aspects Charging and billing
SP-030243	22.115	012	-	5.2.0	Rel-5	Charging Requirements in an MNP environment	revised	F		Service Aspects Charging and billing
SP-030263	22.115	012	1	5.2.0	Rel-5	Charging Requirements in an MNP environment	approved	F	5.3.0	Service Aspects Charging and billing
SP-030243	22.115	013	-	6.0.0	Rel-6	Charging Requirements in an MNP environment	revised	A		Service Aspects Charging and billing
SP-030263	22.115	013	1	6.0.0	Rel-6	Charging Requirements in an MNP environment	approved	A	6.1.0	Service Aspects Charging and billing
SP-030255	22.127	065	-	6.2.0	Rel-6	Removal of Generic Network Interface Function from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-030255	22.127	066	-	6.2.0	Rel-6	Removal of Information Transfer feature from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-030255	22.127	067	-	6.2.0	Rel-6	Removal of Information Services functions from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-030246	22.140	030	-	5.4.0	Rel-5	Determination of MMS support in the terminal	rejected	F		Multimedia Messaging Service (MMS); Stage 1
SP-030256	22.140	026	-	6.1.0	Rel-6	Add DRM Requirement to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1
SP-030256	22.140	027	-	6.1.0	Rel-6	Add a Standardized Charging Record Interface Requirement to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1
SP-030256	22.140	028	-	6.1.0	Rel-6	Add a Standardized User Profile to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1
SP-030256	22.140	029	-	6.1.0	Rel-6	Addition of blacklisting capability in the the multimedia messaging profiles	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1
SP-030246	22.140	031	-	6.1.0	Rel-6	Determination of MMS support in the terminal	rejected	A		Multimedia Messaging Service (MMS); Stage 1
SP-030258	22.140	032	1	6.1.0	Rel-6	MMS support on the card	withdrawn	B		Multimedia Messaging Service (MMS); Stage 1
SP-030257	22.140	033	-	6.1.0	Rel-6	Conditional delivery behaviour	withdrawn	B		Multimedia Messaging Service (MMS); Stage 1
SP-030257	22.140	034	-	6.1.0	Rel-6	Error Messages in MMS	approved	F	6.2.0	Multimedia Messaging Service (MMS); Stage 1
SP-030259	22.228	019	-	6.2.0	Rel-6	Multiple UEs in IMS service subscription	approved	B	6.3.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1
SP-030259	22.228	020	-	6.2.0	Rel-6	Addition of requirements to IMS to enable conference-like services	approved	B	6.3.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1
SP-030260	22.243	004	-	6.2.0	Rel-6	UE and network capabilities	approved	F	6.3.0	Speech recognition framework for automated voice services; Stage 1
SP-030260	22.243	005	-	6.2.0	Rel-6	Addition of Streaming and interactive QoS	approved	C	6.3.0	Speech recognition framework for automated voice services; Stage 1
SP-030261	22.243	006	-	6.2.0	Rel-6	Reconstructed speech as an output mechanism	rejected	F		Speech recognition framework for automated voice services; 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-030299	23.002	130	-	4.7.0	Rel-4	Removal of Mh interface from the reference model	approved	F	4.8.0	Network architecture
SP-030299	23.002	131	1	5.10.0	Rel-5	Architecture corrections	approved	F	5.11.0	Network architecture
SP-030299	23.002	124	-	6.0.1	Rel-6	Gd reference point	approved	F	6.1.0	Network architecture
SP-030299	23.002	127	2	6.0.1	Rel-6	SLF on Sh interface	approved	B	6.1.0	Network architecture
SP-030299	23.002	128	1	6.0.1	Rel-6	Ge reference point	approved	F	6.1.0	Network architecture
SP-030299	23.002	129	2	6.0.1	Rel-6	Management interface	approved	F	6.1.0	Network architecture
SP-030299	23.002	132	1	6.0.1	Rel-6	Architecture corrections	approved	A	6.1.0	Network architecture
SP-030297	23.060	436	2	3.14.0	R99	Update to Iu release procedure	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	436	2	3.14.0	R99	Update to Iu release procedure	approved	F	3.15.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	437	2	4.7.0	Rel-4	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	437	2	4.7.0	Rel-4	Update to Iu release procedure	approved	A	4.8.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	447	-	4.7.0	Rel-4	CAMEL triggers at SRNS relocation cancel	approved	F	4.8.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	447	-	4.7.0	Rel-4	CAMEL triggers at SRNS relocation cancel	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	431	2	5.5.0	Rel-5	GGSN update at SRNS relocation	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	431	2	5.5.0	Rel-5	GGSN update at SRNS relocation	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	432	2	5.5.0	Rel-5	Max SDU Size and MTU clarification	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	432	2	5.5.0	Rel-5	Max SDU Size and MTU clarification	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	435	2	5.5.0	Rel-5	Preservation procedure for realtime bearers in A/Gb	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	435	2	5.5.0	Rel-5	Preservation procedure for realtime bearers in A/Gb	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	438	2	5.5.0	Rel-5	Update to Iu release procedure	approved	A	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	438	2	5.5.0	Rel-5	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	443	1	5.5.0	Rel-5	Changes for Early UE handling	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	443	1	5.5.0	Rel-5	Changes for Early UE handling	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	448	-	5.5.0	Rel-5	CAMEL triggers at SRNS relocation cancel	approved	A	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	448	-	5.5.0	Rel-5	CAMEL triggers at SRNS relocation cancel	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	433	2	6.0.0	Rel-6	RAU in PMM-connected	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2

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SP-030343	23.060	433	2	6.0.0	Rel-6	RAU in PMM-connected	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	439	2	6.0.0	Rel-6	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	439	2	6.0.0	Rel-6	Update to Iu release procedure	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	440	1	6.0.0	Rel-6	User inactivity usage with Iu/RAB release	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	440	1	6.0.0	Rel-6	User inactivity usage with Iu/RAB release	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	442	4	6.0.0	Rel-6	CR on 23.060: Controlling compression performed at the SGSN.	rejected	B		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	445	-	6.0.0	Rel-6	Max SDU Size and MTU clarification	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	445	-	6.0.0	Rel-6	Max SDU Size and MTU clarification	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	446	-	6.0.0	Rel-6	GGSN update at SRNS relocation	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	446	-	6.0.0	Rel-6	GGSN update at SRNS relocation	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	449	-	6.0.0	Rel-6	CAMEL triggers at SRNS relocation cancel	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	449	-	6.0.0	Rel-6	CAMEL triggers at SRNS relocation cancel	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	451	-	6.0.0	Rel-6	Changes for Early UE handling	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	451	-	6.0.0	Rel-6	Changes for Early UE handling	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030297	23.060	452	-	6.0.0	Rel-6	Mapping of PFCs onto LLC SAPIs	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2
SP-030343	23.060	452	-	6.0.0	Rel-6	Mapping of PFCs onto LLC SAPIs	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030300	23.107	133	3	5.8.0	Rel-5	Generic UMTS QoS model	approved	F	5.9.0	Quality of Service (QoS) concept and architecture
SP-030300	23.107	135	2	5.8.0	Rel-5	Max SDU Size and MTU clarification	approved	F	5.9.0	Quality of Service (QoS) concept and architecture
SP-030300	23.107	136	2	5.8.0	Rel-5	Transfer Delay definition	approved	F	5.9.0	Quality of Service (QoS) concept and architecture
SP-030300	23.107	137	-	5.8.0	Rel-5	QoS Signalling indicator handling	approved	F	5.9.0	Quality of Service (QoS) concept and architecture
SP-030301	23.141	050	2	6.2.0	Rel-6	CR for Supplying Presence info from 3GPP-WLAN	approved	B	6.3.0	Presence service; Architecture and functional description; Stage 2
SP-030301	23.141	051	1	6.2.0	Rel-6	Editorial cleanup of 23.141	approved	F	6.3.0	Presence service; Architecture and functional description; Stage 2
SP-030298	23.171	029	2	3.9.0	R99	Exception procedures in 23.171	withdrawn	F		Location Services (LCS); Functional description; Stage 2 (UMTS)
SP-030344	23.171	029	2	3.9.0	R99	Exception procedures in 23.171	approved	F	3.10.0	Location Services (LCS); Functional description; Stage 2 (UMTS)
SP-030302	23.207	057	1	5.7.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.8.0	End-to-end Quality of Service (QoS) concept and architecture
SP-030303	23.228	292	2	5.8.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	298	1	5.8.0	Rel-5	IMS corrections	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2

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SP-030303	23.228	300	1	5.8.0	Rel-5	Guidelines for the UE to apply IPv6 privacy mechanism in conjunction with IMS	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	313	1	5.8.0	Rel-5	Barring and roaming restrictions	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	317	1	5.8.0	Rel-5	Implicit Registration with multiple Service Profiles	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	319	-	5.8.0	Rel-5	S-CSCF requirements at registration	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	272	5	6.1.0	Rel-6	GUP for IMS Subscription Management	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	284	2	6.1.0	Rel-6	Introducing session timer to IMS	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	286	3	6.1.0	Rel-6	IMS Group Management	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	287	2	6.1.0	Rel-6	Format of Public Service Identities	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	288	-	6.1.0	Rel-6	Corrections and Clean-Up after Re-organisation of TS 23.228	approved	F	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	291	4	6.1.0	Rel-6	Enhancements for Messaging	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	293	2	6.1.0	Rel-6	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	295	1	6.1.0	Rel-6	Capability to route non-SIP URIs	approved	F	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	296	3	6.1.0	Rel-6	SLF on Sh interface	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	297	3	6.1.0	Rel-6	AS use of the MRFC	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	299	1	6.1.0	Rel-6	IMS corrections	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	301	1	6.1.0	Rel-6	Guidelines for the UE to apply IPv6 privacy mechanism in conjunction with IMS	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	302	1	6.1.0	Rel-6	Clarifications on multiple registrations	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	305	2	6.1.0	Rel-6	Data Format at Sh Reference Point	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	306	1	6.1.0	Rel-6	Public Service Identities Definition	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	311	1	6.1.0	Rel-6	S-CSCF requirements at registration	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	314	1	6.1.0	Rel-6	Barring and roaming restrictions	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030303	23.228	318	2	6.1.0	Rel-6	Implicit registration with multiple Service profiles	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030298	23.271	167	2	4.8.0	Rel-4	Exception procedures in 23.271	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	167	2	4.8.0	Rel-4	Exception procedures in 23.271	approved	F	4.9.0	Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	175	-	4.8.0	Rel-4	CR on 23.271: Correction to NI-LR for Emergency Services	approved	F	4.9.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	175	-	4.8.0	Rel-4	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	181	2	5.5.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	168	2	5.6.0	Rel-5	Exception procedures in 23.271	withdrawn	A		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	168	2	5.6.0	Rel-5	Exception procedures in 23.271	approved	A	5.7.0	Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	176	-	5.6.0	Rel-5	CR on 23.271: Correction to NI-LR for Emergency Services	approved	A	5.7.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	176	-	5.6.0	Rel-5	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	A		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	181	3	5.6.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	5.7.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	155	10	6.3.0	Rel-6	Addition of mobile based change of area event to deferred location request	withdrawn	B		Location Services (LCS); Functional description; Stage 2
SP-030345	23.271	155	11	6.3.0	Rel-6	Addition of mobile based change of area event to deferred location request	approved	B	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	163	-	6.3.0	Rel-6	CR on 23.271. Correction to GMLC Definition	approved	D	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	163	-	6.3.0	Rel-6	CR on 23.271. Correction to GMLC Definition	withdrawn	D		Location Services (LCS); Functional description; Stage 2

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SP-030344	23.271	164	1	6.3.0	Rel-6	CR on 23.271: Clarification of UE Available event Defintion	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	164	1	6.3.0	Rel-6	CR on 23.271: Clarification of UE Available event Defintion	withdrawn	D		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	166	2	6.3.0	Rel-6	Including pseudonym in the LCS authorisation request	approved	C	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	166	2	6.3.0	Rel-6	Including pseudonym in the LCS authorisation request	withdrawn	C		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	169	2	6.3.0	Rel-6	Exception procedures in 23.271	approved	A	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	169	2	6.3.0	Rel-6	Exception procedures in 23.271	withdrawn	A		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	170	1	6.3.0	Rel-6	Pseudonym attachment options	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	170	1	6.3.0	Rel-6	Pseudonym attachment options	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	171	2	6.3.0	Rel-6	Clarification on privacy check procedures with PPR	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	171	2	6.3.0	Rel-6	Clarification on privacy check procedures with PPR	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	172	-	6.3.0	Rel-6	Clarification on pseudonym mediation device functionality	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	172	-	6.3.0	Rel-6	Clarification on pseudonym mediation device functionality	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	177	-	6.3.0	Rel-6	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	A		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	177	-	6.3.0	Rel-6	CR on 23.271: Correction to NI-LR for Emergency Services	approved	A	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	178	2	6.3.0	Rel-6	Clarification of Annex E	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	178	2	6.3.0	Rel-6	Clarification of Annex E	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	179	-	6.3.0	Rel-6	Request to response correction	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	179	-	6.3.0	Rel-6	Request to response correction	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	182	3	6.3.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	182	3	6.3.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	183	3	6.3.0	Rel-6	Clarification on privacy procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	183	3	6.3.0	Rel-6	Clarification on privacy procedure	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	184	3	6.3.0	Rel-6	Procedure of Area Event handling when the current visited network does not cover the predefined area	withdrawn	B		Location Services (LCS); Functional description; Stage 2
SP-030344	23.271	185	2	6.3.0	Rel-6	Alignment of TS 23.271 with GERAN acceptance of U-TDOA location determination method	approved	B	6.4.0	Location Services (LCS); Functional description; Stage 2
SP-030298	23.271	185	2	6.3.0	Rel-6	Alignment of TS 23.271 with GERAN acceptance of U-TDOA location determination method	withdrawn	C		Location Services (LCS); Functional description; Stage 2
SP-030304	23.895	005	1	6.1.0	Rel-6	New RANAP message for transfer of UESBI-Iu	approved	C	6.2.0	Provision of UE specific behaviour information to network entities

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030224	33.102	179	-	5.1.0	Rel-5	Handling of START values stored on a ME for use with a SIM	approved	F	5.2.0	3G security; Security architecture
SP-030221	33.108	015	1	5.3.0	Rel-5	Changes to meet international LI Requirements	approved	F	5.4.0	3G security; Handover interface for Lawful Interception (LI)
SP-030221	33.108	016	1	6.1.0	Rel-6	Changes to meet international LI Requirements	approved	A	6.2.0	3G security; Handover interface for Lawful Interception (LI)

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030222	33.203	040	-	5.5.0	Rel-5	Annex H: Alignment of Authentication algorithm handling with RFC3329	approved	F	5.6.0	3G security; Access security for IP-based services
SP-030223	33.203	041	-	5.5.0	Rel-5	Clarification on USIM-based access to IMS	approved	F	5.6.0	3G security; Access security for IP-based services
SP-030225	33.210	009	-	5.3.0	Rel-5	Use of IPsec ESP with encryption on the Za-interface	approved	F	5.4.0	3G security; Network Domain Security (NDS); IP network layer security
SP-030225	33.210	010	-	6.1.0	Rel-6	Use of IPsec ESP with encryption on the Za-interface	approved	A	6.2.0	3G security; Network Domain Security (NDS); IP network layer security
SP-030226	35.206	001	-	5.0.0	Rel-5	Addition of missing line to Rijndael S-box listing	approved	F	5.1.0	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

E.4   CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030214	26.104	025	-	4.4.0	Rel-4	Correction on codec mode handling during DTX	approved	F	4.5.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030214	26.104	026	-	5.1.0	Rel-5	Correction on codec mode handling during DTX	approved	A	5.2.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030215	26.111	007	1	3.4.0	R99	Removal of Reference to TS 26.112	rejected	F		Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324
SP-030215	26.111	008	1	4.0.0	Rel-4	Removal of Reference to TS 26.112	rejected	A		Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324
SP-030215	26.111	009	1	5.0.0	Rel-5	Removal of Reference to TS 26.112	approved	F	5.1.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324
SP-030216	26.173	017	1	5.6.0	Rel-5	MMS compatible input/output option for fixed-point AMR-WB source code	approved	F	5.7.0	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec
SP-030217	26.234	059	-	4.5.0	Rel-4	SMIL supported event types	rejected	F		Transparent end-to-end transparent streaming service; Protocols and codecs
SP-030217	26.234	058	1	5.4.0	Rel-5	SMIL supported event types	approved	F	5.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-030217	26.234	060	-	5.4.0	Rel-5	Correction to the Content Model of the SMIL Language Profile	approved	F	5.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-030218	26.235	005	1	5.1.0	Rel-6	Handling of DTMF in IMS	approved	C	6.0.0	Packet switched conversational multimedia applications; Default codecs
SP-030219	26.236	005	-	5.2.0	Rel-5	Examples of QoS profiles for conversational multimedia applications	approved	F	5.3.0	Packet switched conversational multimedia applications; Transport protocols

E.5   CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030266	32.101	022	-	5.3.0	Rel-5	Correction and update of Management System Interactions	approved	F	5.4.0	Telecommunication management; Principles and high level requirements
SP-030291	32.104	011	-	3.5.0	R99	Remove ambiguity in NE file generation behaviour in case of multiple granularity periods	approved	F	3.6.0	3G Performance Management
SP-030275	32.111-2	026	-	5.3.0	Rel-5	Correction of imported references table for managedGenericIRP	revised	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service
SP-030316	32.111-2	026	1	5.3.0	Rel-5	Correction of imported references table for managedGenericIRP	approved	F	5.4.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service
SP-030276	32.111-3	030	-	5.3.0	Rel-5	Correction of CORBA type definition in struct "AlarmInformationIdAndSev"	approved	F	5.4.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set
SP-030277	32.111-4	019	-	5.4.0	Rel-5	Correction of Compilation Errors	approved	F	5.5.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030277	32.111-4	020	-	5.4.0	Rel-5	Addition of missing reasons for the emission of notifyAlarmListRebuilt	approved	F	5.5.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030268	32.200	022	-	5.3.0	Rel-5	Alignment with 32.235 on MMS charging scenarios with VASP MMS CDR types	approved	F	5.4.0	Telecommunication management; Charging management; Charging principles
SP-030268	32.200	023	-	5.3.0	Rel-5	Correction of IMS charging architecture	approved	F	5.4.0	Telecommunication management; Charging management; Charging principles
SP-030269	32.205	016	-	5.3.0	Rel-5	Correction of record contents regarding Partial Record Type	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-030269	32.205	017	-	5.3.0	Rel-5	Correction on MMS records ASN.1 definition	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-030269	32.205	018	-	5.3.0	Rel-5	Correction on IMS record definitions	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-030270	32.215	026	-	5.3.0	Rel-5	Correction of "Cause Code"	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-030271	32.225	015	-	5.2.0	Rel-5	Corrections to align "Event Charging with Unit Reservation" (ECUR) with IETF Credit Control Application	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030271	32.225	016	-	5.2.0	Rel-5	Correction of usage of Application-Provided-Called-Party-Address AVP	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030271	32.225	017	-	5.2.0	Rel-5	Correction of "Cause" and "Service-ID"AVP	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030271	32.225	018	-	5.2.0	Rel-5	Correction to some AVP definitions	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030271	32.225	019	-	5.2.0	Rel-5	Correction on ICID definition	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030340	32.225	019	1	5.2.0	Rel-5	Correction on ICID definition	withdrawn	F		Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030315	32.225	019	1	5.2.0	Rel-5	Correction on ICID definition	revised	F		Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-030267	32.235	015	-	4.5.0	Rel-4	Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060	approved	F	4.6.0	Telecommunication management; Charging management; Charging data description for application services
SP-030272	32.235	014	-	5.2.0	Rel-5	Correction of inconsistencies in the "Charge information" field description	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for application services
SP-030267	32.235	016	-	5.2.0	Rel-5	Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060	approved	A	5.3.0	Telecommunication management; Charging management; Charging data description for application services
SP-030278	32.302	003	-	4.1.1	Rel-4	Correction of the description of the objectClass and objectInstance parameter of the notification header	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service
SP-030278	32.302	004	-	5.0.2	Rel-5	Correction of the description of the objectClass and objectInstance parameter of the notification header	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service
SP-030291	32.401	005	-	4.2.0	Rel-4	Clarification of NE file generation behaviour in case of multiple granularity periods	approved	A	4.3.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-030291	32.401	007	-	4.2.0	Rel-4	Correction of Measurement Result File Name Definition for alignment with Windows based systems	approved	F	4.3.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-030291	32.401	006	-	5.1.0	Rel-5	Clarification of NE file generation behaviour in case of multiple granularity periods.	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-030291	32.401	008	-	5.1.0	Rel-5	Correction of Measurement Result File Name Definition for alignment with Windows based systems	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-030292	32.403	013	-	4.3.0	Rel-4	Correction of the definition of the successful GPRS attach counters	approved	F	4.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030292	32.403	014	-	5.2.0	Rel-5	Correction of the definition of the successful GPRS attach counters	approved	A	5.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030292	32.403	015	-	5.2.0	Rel-5	Deletion of dual clause 4.1.2	approved	F	5.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM

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SP-030293	32.403	016	-	5.2.0	Rel-6	Addition of GPRS per cause measurement definitions	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030293	32.403	017	-	5.2.0	Rel-6	Introduction of MMS Service Based Performance Measurement	approved	B	6.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030279	32.603	010	-	5.1.0	Rel-5	Alignment with Basic CM IRP information service (32.602) - add one exception for the operation createMO	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set
SP-030283	32.615	004	-	4.2.0	Rel-4	Deletion of attribute relationType in XML Schema.	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition
SP-030284	32.615	005	-	4.2.0	Rel-4	Correction of Bulk CM session log file XML element "log" declaration	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition
SP-030284	32.615	006	-	5.0.1	Rel-5	Correction of Bulk CM session log file XML element "log" declaration	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition
SP-030287	32.615	007	-	5.0.1	Rel-5	Correction of Bulk CM configuration data file XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition
SP-030288	32.615	008	-	5.0.1	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition
SP-030280	32.622	007	-	4.3.0	Rel-4	Correction of Notifications for IOCs and MOCs	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030280	32.622	009	-	4.3.0	Rel-4	Correction of the log notification for Bulk CM - Alignment with 32.612	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030280	32.622	008	-	5.0.0	Rel-5	Correction of Notifications for IOCs	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030287	32.625	001	-	5.0.0	Rel-5	Correction of Generic NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030288	32.625	002	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition

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SP-030281	32.632	007	-	5.2.0	Rel-5	CN Network Resource Model changed to the New Methodology - alignment with 32.102	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030287	32.635	001	-	5.0.0	Rel-5	Correction of Core NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030288	32.635	002	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030282	32.642	007	-	4.2.0	Rel-4	Add missing notifications from all managed objects (notifyComments, notifyAlarmListRebuilt)	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.642	009	-	4.2.0	Rel-4	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.642	011	-	4.2.0	Rel-4	Deletion of UTRAN attribute relationType	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.642	008	-	5.1.1	Rel-5	Include notification tables	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.642	010	-	5.1.1	Rel-5	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.642	012	-	5.1.1	Rel-5	Deletion of UTRAN attribute relationType	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.643	003	-	4.1.0	Rel-4	Deletion of UTRAN attribute relationType from CORBA SS	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set
SP-030283	32.643	004	-	5.0.0	Rel-5	Deletion of UTRAN attribute relationType from CORBA SS.	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set
SP-030283	32.644	002	-	4.1.1	Rel-4	Removal of relationType	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set

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SP-030283	32.644	003	-	5.0.0	Rel-5	Removal of relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030283	32.645	001	-	5.0.0	Rel-5	Deletion of UTRAN attribute relationType in XML Schema.	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030287	32.645	002	-	5.0.0	Rel-5	Correction of UTRAN NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030288	32.645	003	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030285	32.645	004	-	5.0.0	Rel-5	Remove UTRAN NRM XML schema duplicate MOC attribute XML declarations	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030282	32.652	009	-	4.4.0	Rel-4	Add missing notifications from all managed objects (notifyComments, notifyAlarmListRebuilt)	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.652	011	-	4.4.0	Rel-4	Correction of UML diagram vsDataContainer Containment/Naming and Association in GERAN NRM	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.652	013	-	4.4.0	Rel-4	Deletion of GERAN attribute relationType	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.652	010	-	5.0.1	Rel-5	Include notification tables	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030282	32.652	012	-	5.0.1	Rel-5	Correction of UML diagram vsDataContainer Containment/Naming and Association in GERAN NRM	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.652	014	-	5.0.1	Rel-5	Deletion of GERAN attribute relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-030283	32.653	004	-	4.1.0	Rel-4	Deletion of GERAN attribute relationType from CORBA SS	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set

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SP-030283	32.653	005	-	5.0.1	Rel-5	Deletion of GERAN attribute relationType from CORBA SS	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set
SP-030283	32.654	004	-	4.1.0	Rel-4	Removal of relationType	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030283	32.654	005	-	5.0.0	Rel-5	Removal of relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030286	32.654	006	-	5.0.0	Rel-5	Alignment of object class names to externalGsmCell - Alignment with 32.624	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set
SP-030283	32.655	001	-	5.0.0	Rel-5	Deletion of GERAN attribute relationType in XML Schema.	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030287	32.655	002	-	5.0.0	Rel-5	Correction of GERAN NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030288	32.655	003	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition
SP-030289	32.664	002	-	6.0.0	Rel-6	Correction to notifyCMSynchronizationRecommendedInfo	approved	F	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set

E.6   CRs direct to TSG SA#20

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030228	01.01	012	-	3.0.0	Ph2	Update of list of specs for next Release	approved	F	4.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030228	01.01	013	-	4.0.0	R96	Update of list of specs for next Release	approved	F	5.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030228	01.01	014	-	5.0.0	R97	Update of list of specs for next Release	approved	F	6.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030228	01.01	015	-	6.0.0	R98	Update of list of specs for next Release	approved	F	7.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030229	01.01	016	-	8.9.0	R99	Change of title to render it independent of Release	approved	F	8.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030229	01.01	017	-	8.9.0	R99	Correction to list of specs	approved	F	8.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system
SP-030229	21.101	014	-	3.11.0	R99	Correction to list of specs	approved	F	3.12.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system
SP-030357	21.101	015	-	3.11.0	R99	Change spec title to make it release-independent	withdrawn	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system
SP-030359	21.101	015	-	3.11.0	R99	Change spec title to make it release-independent	approved	F	3.12.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system
SP-030229	21.102	011	-	4.8.0	Rel-4	Correction to list of specs	approved	F	4.9.0	3rd Generation mobile system Release 4 specifications
SP-030359	21.102	012	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	4.9.0	3rd Generation mobile system Release 4 specifications
SP-030357	21.102	012	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		3rd Generation mobile system Release 4 specifications
SP-030229	21.103	004	1	5.3.0	Rel-5	Correction to list of specs	approved	F	5.4.0	3rd Generation mobile system Release 5 specifications
SP-030359	21.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	5.4.0	3rd Generation mobile system Release 5 specifications
SP-030357	21.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		3rd Generation mobile system Release 5 specifications
SP-030263	23.066	023	1	5.0.0	Rel-5	IN-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-paid subscribers	withdrawn	F		Support of GSM Mobile Number Portability (MNP) stage 2
SP-030229	41.102	010	1	4.8.0	Rel-4	Correction to list of specs	approved	F	4.9.0	GSM Release 4 specifications
SP-030357	41.102	011	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		GSM Release 4 specifications
SP-030359	41.102	011	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	4.9.0	GSM Release 4 specifications
SP-030229	41.103	004	-	5.3.0	Rel-5	Correction to list of specs	approved	F	5.4.0	GSM Release 5 specifications
SP-030359	41.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	5.4.0	GSM Release 5 specifications
SP-030357	41.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		GSM Release 5 specifications

Annex F: Status of all 3GPP CRs after TSG SA #20 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030213	03.08	A040	-	6.5.0	R97	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	approved	F	6.6.0	Organization of Subscriber Data	N4
NP-030213	03.08	A041	-	7.4.0	R98	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	approved	A	7.5.0	Organization of Subscriber Data	N4
NP-030200	09.61	A050	1	7.9.0	R98	Attribute corrections in 09.61	approved	F	7.10.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-030209	23.003	063	-	3.11.0	R99	Correction to Annex C.3 – Target ID	approved	F	3.12.0	Numbering, Addressing and Identification	N4
NP-030209	23.003	064	-	4.5.0	Rel-4	Correction to Annex C.3 – Target ID	approved	A	4.6.0	Numbering, Addressing and Identification	N4
NP-030209	23.003	065	-	5.5.1	Rel-5	Correction to Annex C.3 – Target ID	approved	A	5.6.0	Numbering, Addressing and Identification	N4
NP-030213	23.008	119	-	3.7.0	R99	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	approved	A	3.8.0	Organisation of subscriber data	N4
NP-030213	23.008	120	-	4.2.0	Rel-4	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	approved	A	4.3.0	Organisation of subscriber data	N4
NP-030223	23.008	068	1	5.4.0	Rel-5	Storage of UESBI in the VLR and SGSN	approved	F	5.5.0	Organisation of subscriber data	N4
NP-030213	23.008	121	-	5.4.0	Rel-5	Distinction between Roaming Restriction Due To Unsupported Feature and Roaming Restricted in the SGSN Due To Unsupported Feature	approved	A	5.5.0	Organisation of subscriber data	N4
NP-030268	23.009	094	2	3.13.0	R99	Correct text related to timer expiry for receipt of A-HANDOVER-COMPLETE / Iu-RELOCATION-COMPLETE	APPROVED	F	3.14.0	Handover procedures	N1
NP-030268	23.009	095	2	4.7.0	Rel-4	Correct text related to timer expiry for receipt of A-HANDOVER-COMPLETE / Iu-RELOCATION-COMPLETE	APPROVED	A	4.8.0	Handover procedures	N1
NP-030268	23.009	096	2	5.4.0	Rel-5	Correct text related to timer expiry for receipt of A-HANDOVER-COMPLETE / Iu-RELOCATION-COMPLETE	APPROVED	A	5.5.0	Handover procedures	N1
NP-030283	23.009	097	2	5.4.0	Rel-5	Addition of UESBI-Iu to handover and relocation procedures	APPROVED	F	5.5.0	Handover procedures	N1
NP-030226	23.012	010	1	5.0.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	approved	F	5.1.0	Location management procedures	N4
NP-030224	23.012	010	1	5.0.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	approved	F	5.1.0	Location management procedures	N4
NP-030225	23.012	011	-	5.0.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	rejected	F		Location management procedures	N4
NP-030227	23.012	011	-	5.0.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	rejected	F		Location management procedures	N4
NP-030217	23.018	115	2	5.6.0	Rel-5	Stopping No_Answer timer in the case of forwarding notification	approved	F	5.7.0	Basic Call Handling; Technical realization	N4
NP-030217	23.018	123	1	5.6.0	Rel-5	Enhancements of dialled services procedures in MO and MF calls	approved	F	5.7.0	Basic Call Handling; Technical realization	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030224	23.018	124	1	5.6.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	approved	F	5.7.0	Basic Call Handling; Technical realization	N4
NP-030226	23.018	124	1	5.6.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	approved	F	5.7.0	Basic Call Handling; Technical realization	N4
NP-030225	23.018	125	-	5.6.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	rejected	F		Basic Call Handling; Technical realization	N4
NP-030227	23.018	125	-	5.6.0	Rel-5	Addition of procedure to retrieve UE-specific behaviour data	rejected	F		Basic Call Handling; Technical realization	N4
NP-030221	23.066	023	1	5.0.0	Rel-5	IN-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-payed subscribers	approved	F	5.1.0	Support of GSM Mobile Number Portability (MNP) stage 2	N4
NP-030185	23.078	581	1	3.16.0	R99	Behavior of HLR upon location updating in CAMEL Phase 3	approved	F	3.17.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030185	23.078	582	1	4.8.0	Rel-4	Behavior of HLR upon location updating in CAMEL Phase 3	approved	A	4.9.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	486	6	5.3.0	Rel-5	Implementing and handling of the Outstanding Request Counter	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	554	2	5.3.0	Rel-5	Correction to MAP PRN and to MAP SRI	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	555	1	5.3.0	Rel-5	Removal of ENC disarming from SDL	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	556	-	5.3.0	Rel-5	Correction to assisting gsmSSF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	559	1	5.3.0	Rel-5	Correction to Destination Routeing Address in ICA	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	560	1	5.3.0	Rel-5	Default value for Domain Indicator in ATI IF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	561	2	5.3.0	Rel-5	Correction to Cancel IF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	562	-	5.3.0	Rel-5	Correction to Specialized Resource Report IF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	563	1	5.3.0	Rel-5	Reference to ITU-T timer for default No_Answer timer	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030188	23.078	564	1	5.3.0	Rel-5	Correction to Reset Timer handling in CS_gsmSSF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030189	23.078	565	-	5.3.0	Rel-5	TC-ABORT shall not cause "same signal" output in GPRS dialogue handler	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	567	-	5.3.0	Rel-5	Adding of TIF-CSI into CAMEL stage 2 MAP-ISD for Call Deflection	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	572	1	5.3.0	Rel-5	Receiving Int_CWA after reporting Abandon	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	576	-	5.3.0	Rel-5	Correction to TC Establishment procedure	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	585	-	5.3.0	Rel-5	VLR number in ERB is not needed	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	586	-	5.3.0	Rel-5	Removal of Int_CWA in Process CAMEL_T_CHANGE_OF_POSITION_MSC	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	587	-	5.3.0	Rel-5	SRI Handling and CAMEL phase 4	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	593	-	5.3.0	Rel-5	Behavior of HLR upon location updating in CAMEL Phase 4	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	594	-	5.3.0	Rel-5	Inclusion of DFC IF for assisting gsmSSF	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030189	23.078	596	-	5.3.0	Rel-5	Replacing DP numbers by DP names	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-030061	23.079	025	1	5.2.0	Rel-5	Correction to interaction between ORLCF and forwarding notification	rejected	F		Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-030211	23.153	054	2	4.7.0	Rel-4	PCM codec handling clarifications	approved	F	4.8.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	056	-	4.7.0	Rel-4	DTMF Clarifications	approved	F	4.8.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	058	2	4.7.0	Rel-4	TMR handling	approved	F	4.8.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	060	-	4.7.0	Rel-4	Clarification Of IuUP Initialisation during codec modification	rejected			Out of Band Transcoder Control; Stage 2	N4
NP-030222	23.153	051	1	5.4.0	Rel-5	Inter-MSC SRNS relocation with TrFO	approved	F	5.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	055	2	5.4.0	Rel-5	PCM codec handling clarifications	approved	A	5.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	057	-	5.4.0	Rel-5	DTMF Clarifications	approved	A	5.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	059	1	5.4.0	Rel-5	TMR handling	approved	A	5.5.0	Out of Band Transcoder Control; Stage 2	N4
NP-030211	23.153	061	-	5.4.0	Rel-5	Clarification Of IuUP Initialisation during codec modification	rejected			Out of Band Transcoder Control; Stage 2	N4
NP-030204	23.172	012	2	5.1.0	Rel-5	Call flows for Service Change DURING THE ACTIVE STATE	rejected	F		Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	N3
NP-030212	23.205	041	-	4.6.0	Rel-4	OoB DTMF Clarifications	approved	F	4.7.0	Bearer-independent circuit-switched core network; Stage 2	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030212	23.205	043	1	4.6.0	Rel-4	OoB DTMF Timing	approved	F	4.7.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-030212	23.205	042	-	5.5.0	Rel-5	OoB DTMF Clarifications	approved	A	5.6.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-030212	23.205	044	1	5.5.0	Rel-5	OoB DTMF Timing	approved	A	5.6.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-030272	23.218	043	5	5.4.0	Rel-5	Correction on Handling of MO request	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030272	23.218	044	1	5.4.0	Rel-5	Corrections regarding SPTs and Filter Criteria handling on REGISTER request	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030272	23.218	046	1	5.4.0	Rel-5	Clarifications on SPT.	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030272	23.218	048	-	5.4.0	Rel-5	Clarification concerning the use of Service Key	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030272	23.218	051	1	5.4.0	Rel-5	S-CSCF behavior correction to enable call forwarding	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030272	23.218	055	1	5.4.0	Rel-5	Filtering of unknown header fields and header parameters	APPROVED	F	5.5.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-030191	23.278	040	1	5.2.0	Rel-5	Incorrect list of TDPs listed for O-IM-CSI	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030191	23.278	041	-	5.2.0	Rel-5	Corrections to process IM_SSF	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030191	23.278	042	-	5.2.0	Rel-5	Redundant check for Final_Response_Received in Disconnect procedures.	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030269	24.008	751	1	3.15.0	R99	Combined RAU successful for GPRS only, missing GMM cause IE	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030269	24.008	753	3	3.15.0	R99	Bearer Capability IE	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030269	24.008	761	1	3.15.0	R99	Provision of DNS server IPv6 address	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	769	-	3.15.0	R99	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030267	24.008	773	-	3.15.0	R99	Unciphered transmission of Authentication and Ciphering Failure in A/Gb mode	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	781	1	3.15.0	R99	Clarification of the procedure for the change of DRX parameter	APPROVED	F	3.16.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030269	24.008	752	1	4.10.0	Rel-4	Combined RAU successful for GPRS only, missing GMM cause IE(corresponding change to Rel-5 was part of N1-030216, CR 24.008-741 rev1, work item TEI5)	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030269	24.008	754	3	4.10.0	Rel-4	Bearer Capability IE	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030269	24.008	762	1	4.10.0	Rel-4	Provision of DNS server IPv6 address	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030271	24.008	765	1	4.10.0	Rel-4	Indication of the MS support of "Modulation based multislot class"	APPROVED	F	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	770	-	4.10.0	Rel-4	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030267	24.008	774	-	4.10.0	Rel-4	Unciphered transmission of Authentication and Ciphering Failure in A/Gb mode	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	782	1	4.10.0	Rel-4	Clarification of the procedure for the change of DRX parameter	APPROVED	A	4.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030269	24.008	755	3	5.7.0	Rel-5	Bearer Capability IE	APPROVED	A	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030273	24.008	759	-	5.7.0	Rel-5	Alignment of parameter 'signalling information' with other QoS parameters	APPROVED	F	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030273	24.008	763	1	5.7.0	Rel-5	Cleanup and correction of the PCO-IE	APPROVED	F	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030271	24.008	766	1	5.7.0	Rel-5	Indication of the MS support of "Modulation based multislot class"	APPROVED	A	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	771	-	5.7.0	Rel-5	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	APPROVED	A	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030267	24.008	775	-	5.7.0	Rel-5	Unciphered transmission of Authentication and Ciphering Failure in A/Gb mode	APPROVED	A	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030282	24.008	779	-	5.7.0	Rel-5	Correction of the static conditions for the bearer capability IE contents	APPROVED	F	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	783	1	5.7.0	Rel-5	Clarification of the procedure for the change of DRX parameter	APPROVED	A	5.8.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030284	24.008	750	-	6.0.0	Rel-6	MS RAC encoding	APPROVED	F	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-030269	24.008	756	3	6.0.0	Rel-6	Bearer Capability IE	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030273	24.008	760	-	6.0.0	Rel-6	Alignment of parameter 'signalling information' with other QoS parameters	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030273	24.008	764	1	6.0.0	Rel-6	Cleanup and correction of the PCO-IE	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030271	24.008	767	1	6.0.0	Rel-6	Indication of the MS support of "Modulation based multislot class"	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030284	24.008	768	-	6.0.0	Rel-6	Wrong references in SETUP and redirected number/subaddress IEs	APPROVED	F	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	772	-	6.0.0	Rel-6	Alignment on BC IE coding for FAX between TS24.008 and TS27.001	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030267	24.008	776	-	6.0.0	Rel-6	Unciphered transmission of Authentication and Ciphering Failure in A/Gb mode	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030282	24.008	780	-	6.0.0	Rel-6	Correction of the static conditions for the bearer capability IE contents	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030270	24.008	784	1	6.0.0	Rel-6	Clarification of the procedure for the change of DRX parameter	APPROVED	A	6.1.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030282	24.011	027	2	5.1.0	Rel-5	UE behaviour when sending SMS over GPRS	APPROVED	F	5.2.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-030201	24.022	009	-	3.4.0	R99	Determination of the RLP version by the signalled Bearer capability IE	approved	F	3.5.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-030201	24.022	010	-	4.0.0	Rel-4	Determination of the RLP version by the signalled Bearer capability IE	approved	A	4.1.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-030201	24.022	011	-	5.2.0	Rel-5	Determination of the RLP version by the signalled Bearer capability IE	approved	A	5.3.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-030274	24.228	103	-	5.4.0	Rel-5	Minor 24.228 cleanup	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	104	2	5.4.0	Rel-5	General update (SDP) to clauses 7 and 8	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	105	-	5.4.0	Rel-5	Globally unique value of the ICID	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	106	1	5.4.0	Rel-5	Alignment of flows with RFC 3329 (sec-agree)	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	107	-	5.4.0	Rel-5	Minor corrections in 10.4.2 and 10.5.2	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	108	-	5.4.0	Rel-5	Minor corrections in 5.3.6	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030274	24.228	109	1	5.4.0	Rel-5	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	110	-	5.4.0	Rel-5	Removal of the Event header field from the response to the SUBSCRIBE request	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030274	24.228	111	1	5.4.0	Rel-5	Expires header alignment with 24.229	APPROVED	F	5.5.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-030307	24.229	000	-	5.4.0	Rel-5	-	WITHDRAWN	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030291	24.229	035	2	5.4.0	Rel-5	User initiated de-registration at P-CSCF	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	295	4	5.4.0	Rel-5	Security agreement inclusion in SIP profile	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	304	4	5.4.0	Rel-5	SAs lifetimes in P-CSCF	REJECTED	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	322	5	5.4.0	Rel-5	3GPP P-header inclusion in SIP profile	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	332	5	5.4.0	Rel-5	Change of IP address for the UE	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	342	-	5.4.0	Rel-5	Removal of the requirement for UE re-authentication initiated by HSS	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	343	2	5.4.0	Rel-5	UE behaviour on reception of 420 (Bad Extension) message	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	344	1	5.4.0	Rel-5	Setting the SA liftime at UE upon registration	REJECTED	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	346	1	5.4.0	Rel-5	SA liftime upon network initiated de-registration	REJECTED	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030275	24.229	347	2	5.4.0	Rel-5	Handling of DTMF	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	348	1	5.4.0	Rel-5	Format of Tel URL in P-Asserted-Id	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	349	-	5.4.0	Rel-5	Delete Note on header stripping/SDP manipulation	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	354	1	5.4.0	Rel-5	Clarifications on using DNS procedures	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	356	4	5.4.0	Rel-5	Addition of procedures at the AS for SDP	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	357	1	5.4.0	Rel-5	Usage of P-Associated-URI	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030296	24.229	358	2	5.4.0	Rel-5	User initiated de-registration at P-CSCF	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	359	1	5.4.0	Rel-5	Network-initiated deregistration at UE and P-CSCF	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	360	2	5.4.0	Rel-5	Barred identities	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030296	24.229	362	2	5.4.0	Rel-5	User initiated de-registration	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030291	24.229	362	2	5.4.0	Rel-5	User initiated de-registration	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-030276	24.229	365	1	5.4.0	Rel-5	PDP contex subject to SBLP cannot be reused by other IMS sessions	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030276	24.229	368	1	5.4.0	Rel-5	User authentication failure cleanups	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	369	3	5.4.0	Rel-5	S-CSCF behavior correction to enable call forwarding	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	370	1	5.4.0	Rel-5	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	371	1	5.4.0	Rel-5	Profile Tables - Transparency	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	375	1	5.4.0	Rel-5	Profile Tables - Major Capability Corrections	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	376	2	5.4.0	Rel-5	Profile Tables - Deletion of Elements not used in 24.229	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	377	1	5.4.0	Rel-5	Use of the QoS parameter 'signalling information' for a signalling PDP context	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	378	2	5.4.0	Rel-5	Deregistration of a PUID (not the last one)	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	379	2	5.4.0	Rel-5	'Last registered public user identity' terminology change	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030277	24.229	380	1	5.4.0	Rel-5	Check Integrity Protection for P-Access-Network-Info header	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	381	1	5.4.0	Rel-5	PCSCF setting of Integrity protection indicator and checking of Security Verify header	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	383	1	5.4.0	Rel-5	Consistent treatment of register and de-register	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	384	1	5.4.0	Rel-5	Optionality of sending CK is removed	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	385	1	5.4.0	Rel-5	Addition of note and Correction of References regarding security associations and registration	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	387	1	5.4.0	Rel-5	Subscription/Registration refresh time	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	388	1	5.4.0	Rel-5	Corrections to use of IK	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	390	-	5.4.0	Rel-5	Mobile-originating case at UE	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	394	2	5.4.0	Rel-5	Re-authentication procedure.	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030278	24.229	395	-	5.4.0	Rel-5	Replacement of SIP URL with SIP URI	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	397	2	5.4.0	Rel-5	Notification about registration state	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
SP-030259	24.229	398	-	5.4.0	Rel-5	Combined CRs: N1-030495 (Lucent), N1-030558 (Nokia), and N1-030559(Nokia)	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	398	-	5.4.0	Rel-5	Combined CRs: N1-030495, N1-030558 , and N1-030559	REJECTED	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030291	24.229	398	-	5.4.0	Rel-5	Combined CRs: N1-030495 (Lucent), N1-030558 (Nokia), and N1-030559(Nokia)	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-030279	24.229	402	1	5.4.0	Rel-5	Handling of P-Asserted ID in MGCF	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	404	1	5.4.0	Rel-5	S-CSCF initiated release of calls to circiut switched network	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	405	2	5.4.0	Rel-5	Supported Integrity algorithms	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	407	1	5.4.0	Rel-5	RFC 3524, Single Reservation Flows	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	410	1	5.4.0	Rel-5	Clarification of the S-CSCF's handling of the P-access-network-info header	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	411	2	5.4.0	Rel-5	Port numbers in the RR header entries	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030279	24.229	412	2	5.4.0	Rel-5	Registration abnormal cases	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	415	-	5.4.0	Rel-5	Minor correction to section 5.4.5.1.2	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	417	1	5.4.0	Rel-5	Introduction of RTCP bandwidth	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	418	1	5.4.0	Rel-5	Registratin Event - Shortend	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	419	1	5.4.0	Rel-5	HSS / S-CSCF text relating to user deregistration	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	421	-	5.4.0	Rel-5	Handling of unknown methods at the P-CSCF	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	422	1	5.4.0	Rel-5	Definitions and abbreviations update	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	423	-	5.4.0	Rel-5	Removal of hanging paragraph	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	424	-	5.4.0	Rel-5	Access network charging information	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030280	24.229	425	1	5.4.0	Rel-5	UE procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	426	-	5.4.0	Rel-5	P-CSCF procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	427	-	5.4.0	Rel-5	I-CSCF procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	428	-	5.4.0	Rel-5	S-CSCF procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	429	-	5.4.0	Rel-5	BGCF procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	430	-	5.4.0	Rel-5	AS procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	431	-	5.4.0	Rel-5	MRFC procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	434	1	5.4.0	Rel-5	SDP procedure tidyup	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	438	2	5.4.0	Rel-5	Profile Tables – Further Corrections	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-030281	24.229	439	3	5.4.0	Rel-5	AS's subscription for the registration state event package	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030281	24.229	440	-	5.4.0	Rel-5	Temporary Public User Identity in re- and de-REGISTER requests	APPROVED	F	5.5.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
SP-030259	24.229	CR 35	2	5.4.0	Rel-5	User initiated de-registration at P-CSCF	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030291	24.229	CR 35	2	5.4.0	Rel-5	User initiated de-registration at P-CSCF	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
SP-030259	24.229	CR36 2	2	5.4.0	Rel-5	User initiated de-registration	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030291	24.229	CR36 2	2	5.4.0	Rel-5	User initiated de-registration	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-030201	27.001	086	-	3.11.0	R99	Negotiation of fixed network user rate (FNUR)	approved	F	3.12.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030202	27.001	089	1	3.11.0	R99	Removal of S interface in the MS	rejected	F		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030260	27.001	094	2	3.11.0	R99	BC-IE alignment with 24.008	approved	F	3.12.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030201	27.001	097	-	3.11.0	R99	Use of single or multislot configuration	approved	F	3.12.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030201	27.001	087	-	4.9.0	Rel-4	Negotiation of fixed network user rate (FNUR)	approved	A	4.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030202	27.001	090	1	4.9.0	Rel-4	Removal of S interface in the MS	approved	F	4.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030260	27.001	095	1	4.9.0	Rel-4	BC-IE alignment with 24.008	approved	A	4.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030201	27.001	098	1	4.9.0	Rel-4	Use of single or multislot configuration	approved	A	4.10.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030201	27.001	088	-	5.5.0	Rel-5	Negotiation of fixed network user rate (FNUR)	approved	A	5.6.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030202	27.001	091	1	5.5.0	Rel-5	Removal of S interface in the MS	approved	A	5.6.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030260	27.001	096	1	5.5.0	Rel-5	BC-IE alignment with 24.008	approved	A	5.6.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030201	27.001	099	1	5.5.0	Rel-5	Use of single or multislot configuration	approved	A	5.6.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030199	27.060	082	-	3.7.0	R99	Configuration of Domain Name System (DNS) server IPV6 addresses	approved	F	3.8.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-030199	27.060	083	-	4.2.0	Rel-4	Configuration of Domain Name System (DNS) server IPV6 addresses	approved	A	4.3.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-030173	27.060	084	1	5.3.0	Rel-5	PDP context used for IMS signalling	approved	F	5.4.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-030214	29.002	630	-	3.16.0	R99	missing SMS transmission via MSC	approved	F	3.17.0	Mobile Application Part (MAP) specification	N4
NP-030208	29.002	534	1	4.11.0	Rel-4	Additional SGSN related Access Types - Detach	approved	F	4.12.0	Mobile Application Part (MAP) specification	N4
NP-030214	29.002	631	-	4.11.0	Rel-4	missing SMS transmission via MSC	approved	A	4.12.0	Mobile Application Part (MAP) specification	N4

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NP-030218	29.002	500	5	5.5.0	Rel-5	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030208	29.002	535	1	5.5.0	Rel-5	Additional SGSN related Access Types - Detach	approved	A	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	578	1	5.5.0	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 24A	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	580	-	5.5.0	Rel-5	Provision of SDL diagrams in chapter 24B	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	593	2	5.5.0	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 24	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030218	29.002	598	-	5.5.0	Rel-5	LCS Client external ID	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	606	1	5.5.0	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 22	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030224	29.002	609	1	5.5.0	Rel-5	Transfer of UE-specific behaviour bitmap at handover	approved	B	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030226	29.002	611	1	5.5.0	Rel-5	Enhancement of the CheckIMEI operation to retrieve the BMUEF	approved	A	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030224	29.002	611	1	5.5.0	Rel-5	Enhancement of the CheckIMEI operation to retrieve the BMUEF	approved	A	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	617	-	5.5.0	Rel-5	Formal correction to the ASN.1 syntax of SendIdentificationRes	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030217	29.002	618	1	5.5.0	Rel-5	Correction to naming of PRN parameter	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030225	29.002	627	-	5.5.0	Rel-5	Transfer of IMEISV at handover	rejected	F		Mobile Application Part (MAP) specification	N4
NP-030214	29.002	632	-	5.5.0	Rel-5	missing SMS transmission via MSC	approved	A	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	634	-	5.5.0	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 25	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	635	-	5.5.0	Rel-5	Removal of redundant text from 29.002 Chapter 23	approved	F	5.6.0	Mobile Application Part (MAP) specification	N4
NP-030208	29.002	536	1	6.1.0	Rel-6	Additional SGSN related Access Types - Detach	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030218	29.002	568	4	6.1.0	Rel-6	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	574	-	6.1.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 25	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	579	1	6.1.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 24A	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	581	-	6.1.0	Rel-6	Provision of SDL diagrams in chapter 24B	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	594	2	6.1.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 24	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030228	29.002	595	2	6.1.0	Rel-6	Removal of redundant text from 29.002 Chapter 23	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030218	29.002	599	-	6.1.0	Rel-6	LCS Client external ID	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4

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NP-030228	29.002	607	1	6.1.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 22	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030231	29.002	608	1	6.1.0	Rel-6	Addition of LCS capability sets to MAP_SRI_for_LCS response	approved	B	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030224	29.002	610	1	6.1.0	Rel-6	Transfer of UE-specific behaviour bitmap at handover	approved	B	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030224	29.002	612	1	6.1.0	Rel-6	Enhancement of the CheckIMEI operation to retrieve the BMUEF	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030226	29.002	612	1	6.1.0	Rel-6	Enhancement of the CheckIMEI operation to retrieve the BMUEF	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030217	29.002	619	1	6.1.0	Rel-6	Correction to naming of PRN parameter	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030231	29.002	624	1	6.1.0	Rel-6	Addition of Privacy Check Related Action to Provide Subscriber Location request	approved	F	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030225	29.002	628	-	6.1.0	Rel-6	Transfer of IMEISV at handover	rejected	A		Mobile Application Part (MAP) specification	N4
NP-030214	29.002	633	-	6.1.0	Rel-6	missing SMS transmission via MSC	approved	A	6.2.0	Mobile Application Part (MAP) specification	N4
NP-030201	29.007	068	-	3.11.0	R99	Negotiation of fixed network user rate (FNUR)	approved	F	3.12.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030201	29.007	076	-	3.11.0	R99	Use of single or multislot configurations	approved	F	3.12.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030203	29.007	078	-	3.11.0	R99	Subscription check after Call Confirmed	approved	F	3.12.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030201	29.007	069	-	4.7.0	Rel-4	Negotiation of fixed network user rate (FNUR)	approved	A	4.8.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030201	29.007	077	-	4.7.0	Rel-4	Use of single or multislot configurations	approved	A	4.8.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030203	29.007	079	-	4.7.0	Rel-4	Subscription check after Call Confirmed	approved	A	4.8.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3

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NP-030201	29.007	070	-	5.5.0	Rel-5	Negotiation of fixed network user rate (FNUR)	approved	A	5.6.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030201	29.007	071	1	5.5.0	Rel-5	Use of single or multislot configurations	approved	A	5.6.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030203	29.007	073	1	5.5.0	Rel-5	Subscription check after Call Confirmed	approved	A	5.6.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-030210	29.010	086	-	3.10.0	R99	LCS Cause Code Mappings between RANAP & BSSMAP	approved	F	3.11.0	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-030210	29.010	087	-	4.5.0	Rel-4	LCS Cause Code Mappings between RANAP & BSSMAP	approved	A	4.6.0	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-030210	29.010	088	-	5.2.0	Rel-5	LCS Cause Code Mappings between RANAP & BSSMAP	approved	A	5.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-030224	29.010	089	1	5.2.0	Rel-5	Handling of UE-specific behaviour data in the relay MSC	approved	F	5.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-030225	29.010	089	1	5.2.0	Rel-5	Handling of UE-specific behaviour data in the relay MSC	rejected	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4

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NP-030226	29.010	090	-	5.2.0	Rel-5	Handling of UE-specific behaviour data in the relay MSC	approved	F	5.3.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-030227	29.010	090	-	5.2.0	Rel-5	Handling of UE-specific behaviour data in the relay MSC	rejected	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-030283	29.018	033	-	5.3.0	Rel-5	Addition of IMEISV to BSSAP+-LOCATION-UPDATE-REQUEST message	APPROVED	F	5.4.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-030209	29.060	405	1	3.16.0	R99	Correction for PDP Context Response with no PDP Contexts	approved	F	3.17.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030209	29.060	406	1	4.7.0	Rel-4	Correction for PDP Context Response with no PDP Contexts	approved	A	4.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030209	29.060	407	1	5.5.0	Rel-5	Correction for PDP Context Response with no PDP Contexts	approved	A	5.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030219	29.060	411	1	5.5.0	Rel-5	Enhancement of description for 'User authentication failed' error for Create PDP Context response message	approved	F	5.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030219	29.060	419	2	5.5.0	Rel-5	Definition of reserved TEID value	approved	F	5.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030219	29.060	421	-	5.5.0	Rel-5	QoS Profile Data parameter in the Quality of Service (Data) Profile IE extended with one octet	approved	F	5.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030223	29.060	423	-	5.5.0	Rel-5	IMEISV to be included in the Container within the MM Context	approved	F	5.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030209	29.060	408	1	6.0.0	Rel-6	Correction for PDP Context Response with no PDP Contexts	approved	A	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030230	29.060	410	-	6.0.0	Rel-6	Controlling compression performed on the SGSN	approved	F	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030219	29.060	412	1	6.0.0	Rel-6	Enhancement of description for 'User authentication failed' error for Create PDP Context response message	approved	A	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030219	29.060	420	2	6.0.0	Rel-6	Definition of reserved TEID value	approved	A	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-030219	29.060	422	-	6.0.0	Rel-6	QoS Profile Data parameter in the Quality of Service (Data) Profile IE extended with one octet	approved	A	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030223	29.060	424	-	6.0.0	Rel-6	IMEISV to be included in the Container within the MM Context	approved	A	6.1.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030199	29.061	084	1	3.12.0	R99	Configuration of Domain Name System (DNS) server IPV6 addresses	approved	F	3.13.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030200	29.061	089	1	3.12.0	R99	Attribute corrections in 29.061	approved	A	3.13.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030199	29.061	085	1	4.7.0	Rel-4	Configuration of Domain Name System (DNS) server IPv6 addresses	approved	A	4.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030200	29.061	090	1	4.7.0	Rel-4	Attribute corrections in 29.061	approved	A	4.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030199	29.061	086	-	5.5.0	Rel-5	Clean-up of references	approved	F	5.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030173	29.061	087	-	5.5.0	Rel-5	Application level Signalling Indication in the QoS IE	approved	F	5.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030200	29.061	091	1	5.5.0	Rel-5	Attribute corrections in 29.061	approved	A	5.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030190	29.078	308	-	5.3.0	Rel-5	Removal of SCI Operation from NC call CAP syntax	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030190	29.078	309	1	5.3.0	Rel-5	Correction to IPSSPCapabilities ASN.1 syntax	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030190	29.078	310	-	5.3.0	Rel-5	Removing UnknownLegId Error from DFCWA	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2

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NP-030190	29.078	311	1	5.3.0	Rel-5	Removing DFCWA from assisting gsmSSF dialogue	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030190	29.078	312	1	5.3.0	Rel-5	Correction to SplitLeg pre-conditions	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030186	29.078	314	2	5.3.0	Rel-5	Health warning for Calling Party Number length in IDP SMS	rejected	F		Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030190	29.078	321	-	5.3.0	Rel-5	ASN.1 syntax basic corrections	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030190	29.078	323	-	5.3.0	Rel-5	DP arming requirement for NP calls	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030187	29.078	324	2	5.3.0	Rel-5	ASN.1 change for Calling Party Number length in IDP SMS	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-030235	29.198-01	021	-	4.3.2	Rel-4	Removal of un-used references	Rejected	F		Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-030239	29.198-01	022	-	5.1.1	Rel-5	Removal of un-used references	revised	F		Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-030298	29.198-01	022	1	5.1.1	Rel-5	Removal of un-used references	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-030239	29.198-01	023	-	5.1.1	Rel-5	Correction to Java Realisation Annex	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-030236	29.198-02	033	-	4.5.0	Rel-4	Correction of SIP Address wildcard rules	Approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030236	29.198-02	034	-	5.2.0	Rel-5	Correction of SIP Address wildcard rules	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030240	29.198-02	035	-	5.2.0	Rel-5	Add the type TpURN to Common Data Types	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030237	29.198-03	078	-	4.7.0	Rel-4	Correction to TpEncryptionCapability to correct support for Triple-DES	Approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5

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NP-030237	29.198-03	080	-	4.7.0	Rel-4	Correction of the Framework Service Instance Lifecycle Manager Sequence Diagram	Approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030237	29.198-03	082	-	4.7.0	Rel-4	Correction of the use of TpDomainID in Framework initiateAuthentication method	Approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030237	29.198-03	079	-	5.2.0	Rel-5	Correction to TpEncryptionCapability to correct support for Triple-DES	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030237	29.198-03	081	-	5.2.0	Rel-5	Correction of the Framework Service Instance Lifecycle Manager Sequence Diagram	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030237	29.198-03	083	-	5.2.0	Rel-5	Correction of the use of TpDomainID in Framework initiateAuthentication method	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030241	29.198-03	084	-	5.2.0	Rel-5	Change reference to PAM Presence and Availability SCF to PAM Access SCF to reflect change in 29.198-14	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030238	29.198-04	065	-	4.6.0	Rel-4	Correction of the description for callEventNotify & reportNotification	Approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030242	29.198-04-1	005	-	5.2.0	Rel-5	Correction to Common Call Control Data	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	N5
NP-030246	29.198-04-1	006	-	5.2.0	Rel-6	Add support for multi services	revised	F		Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	N5
NP-030304	29.198-04-1	006	1	5.2.0	Rel-6	Add support for multi services	Approved	C	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	N5
NP-030238	29.198-04-2	007	-	5.2.0	Rel-5	Correction of the description for callEventNotify & reportNotification	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	N5
NP-030238	29.198-04-3	011	-	5.2.0	Rel-5	Correction of the description for callEventNotify & reportNotification	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	N5
NP-030247	29.198-04-3	012	-	5.2.0	Rel-6	Unclear overlap criteria for rejection of createNotification	Rejected	F		Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	N5
NP-030305	29.198-04-3	012	1	5.2.0	Rel-6	Unclear overlap criteria for rejection of createNotification	Approved	C	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	N5

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NP-030247	29.198-04-3	013	-	5.2.0	Rel-6	Add support for advanced subscriber presentation	Approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	N5
NP-030238	29.198-04-4	005	-	5.2.0	Rel-5	Correction of the description for callEventNotify & reportNotification	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	N5
NP-030243	29.198-04-4	006	-	5.2.0	Rel-5	Correction to TpAudioCapabiltiesType and TpVideoCapabilitiesType to correctly indicate the required capabilities	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	N5
NP-030248	29.198-04-4	007	-	5.2.0	Rel-6	Adding QoS Reporting Functionality to MMCCS	Approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	N5
NP-030248	29.198-04-4	008	-	5.2.0	Rel-6	Correction of the mechanism for Requesting Event Reports in MMCCS	revised	F		Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	N5
NP-030306	29.198-04-4	008	1	5.2.0	Rel-6	Correction of the mechanism for Requesting Event Reports in MMCCS	Approved	C	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	N5
NP-030238	29.198-05	034	-	4.6.0	Rel-4	Correction of the description for callEventNotify & reportNotification	Approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030238	29.198-05	035	-	5.2.0	Rel-5	Correction of the description for callEventNotify & reportNotification	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030244	29.198-05	036	-	5.2.0	Rel-5	Clarify IpUI sendInfoReq()	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030244	29.198-05	037	-	5.2.0	Rel-5	Update TpUIInfo for consistency with GMS capabilities	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030294	29.198-05	038	-	5.2.0	Rel-5	Specifying the origin of a GUI message	Rejected	F		Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030299	29.198-05	038	1	5.2.0	Rel-5	Specifying the origin of a GUI message	Approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030249	29.198-06	021	-	5.2.0	Rel-6	Add methods to prevent unnecessary strict requirements on application persistency for Mobility	Approved	C	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-030249	29.198-06	022	-	5.2.0	Rel-6	Extension to User Status	Approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5

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NP-030238	29.198-08	024	-	4.6.0	Rel-4	Correction of the description for callEventNotify & reportNotification	Approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030238	29.198-08	025	-	5.2.0	Rel-5	Correction of the description for callEventNotify & reportNotification	Approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030250	29.198-13	003	-	5.1.0	Rel-6	New Policy Evaluation SCF introduced	Approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	N5
NP-030245	29.198-14	004	-	5.1.0	Rel-5	Make TpPAMCapability extensible by changing its type to TpString	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030240	29.198-14	005	-	5.1.0	Rel-5	Change the type of TpPAMFQName to TpURN	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	006	-	5.1.0	Rel-5	Clarifiy use of askerData parameter to getAuthToken method in each PAM SCF	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	007	-	5.1.0	Rel-5	Add authToken parameter to computeAvailability method	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	008	-	5.1.0	Rel-5	Replace use of IpInterfaceRef in PAM with actual application interfaces	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	009	-	5.1.0	Rel-5	Add expiration time for PAM event registrations	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	010	-	5.1.0	Rel-5	Send subscription notification cancellation to watchers	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030241	29.198-14	011	-	5.1.0	Rel-5	Change PAM Presence and Availability SCF name to PAM Access	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030245	29.198-14	012	-	5.1.0	Rel-5	Move Acess Control Mechanism to Manager Interface	Approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	N5
NP-030220	29.205	006	2	5.0.0	Rel-5	Alignment of references after renumbering of H248 by ITU-T	approved	F	5.1.0	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	N4
NP-030174	29.207	089	-	5.3.0	Rel-5	Update of reference [11]	approved	F	5.4.0	Policy control over Go interface	N3

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NP-030174	29.207	090	-	5.3.0	Rel-5	Alignment with the latest version of Framework PIB	approved	F	5.4.0	Policy control over Go interface	N3
NP-030174	29.207	091	1	5.3.0	Rel-5	Definition of Auth Token	approved	F	5.4.0	Policy control over Go interface	N3
NP-030174	29.207	094	1	5.3.0	Rel-5	Clarification to Binding Information Handling	approved	F	5.4.0	Policy control over Go interface	N3
NP-030174	29.207	099	1	5.3.0	Rel-5	Change PDP Context to Client Handle for PDF	approved	F	5.4.0	Policy control over Go interface	N3
NP-030174	29.207	100	3	5.5.0	Rel-5	Remove Decision	approved	F	5.6.0	Policy control over Go interface	N3
NP-030175	29.208	034	2	5.3.1	Rel-5	Revoke QoS authorization procedure for session redirection after bearer establishment	approved	F	5.4.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030215	29.228	043	-	5.3.0	Rel-5	Correct use of the Result-Code AVP	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	044	1	5.3.0	Rel-5	Conditionality of User-Name AVP in Server-Assignment-Answer	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	045	2	5.3.0	Rel-5	Corrections to the base 64 encoding examples	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	046	1	5.3.0	Rel-5	Deregistration of implicitly registered public user identities	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	047	-	5.3.0	Rel-5	Clarification on the Server-Assignment-Type NO_ASSIGNMENT	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	048	-	5.3.0	Rel-5	Incorrect use of result-code	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	049	1	5.3.0	Rel-5	Misalignment Public-User-Identity IE	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.228	050	1	5.3.0	Rel-5	Duplicated Destination-Host AVP within MAR command mode	approved	F	5.4.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-030215	29.229	019	-	5.3.0	Rel-5	Conditionality of User-Name AVP in Server-Assignment-Answer	approved	F	5.4.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-030211	29.232	055	1	4.7.0	Rel-4	Independence of SDU and Application	rejected	F		Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030212	29.232	058	-	4.7.0	Rel-4	DTMF timing requirements on MGW	approved	F	4.8.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030211	29.232	056	1	5.5.0	Rel-5	Independence of SDU and Application	rejected	A		Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030220	29.232	057	1	5.5.0	Rel-5	Alignment of references after renumbering of H248 by ITU-T	approved	F	5.6.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030212	29.232	059	-	5.5.0	Rel-5	DTMF timing requirements on MGW	approved	A	5.6.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030216	29.328	022	1	5.3.2	Rel-5	Co-ordination of Update of Repository Data	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4

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NP-030216	29.328	023	1	5.3.2	Rel-5	Enhanced description of Sh-Pull Request and Response	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.328	024	2	5.3.2	Rel-5	Enhanced description of Sh-Notif and Sh-Notif-Subs Request and Response	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.328	025	2	5.3.2	Rel-5	A range of editorial changes and corrections and additions of references	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.328	027	-	5.3.2	Rel-5	Discrepancy between XML schema of Cx and Sh interface	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.328	029	-	5.3.2	Rel-5	Correction to the use of User-Identity	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.328	030	-	5.3.2	Rel-5	Clarification on the handling of the "Charging Information" via the Sh Interface	approved	F	5.4.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-030216	29.329	014	1	5.3.0	Rel-5	Co-ordination of Update of Repository Data	approved	F	5.4.0	Sh interface based on the Diameter protocol	N4
NP-030216	29.329	015	1	5.3.0	Rel-5	Command code correction for UDA plus editorial corrections	approved	F	5.4.0	Sh interface based on the Diameter protocol	N4
NP-030216	29.329	016	-	5.3.0	Rel-5	Correction on Current-Location AVP values	approved	F	5.4.0	Sh interface based on the Diameter protocol	N4
NP-030216	29.329	018	-	5.3.0	Rel-5	Correction to the use of User-Identity	approved	F	5.4.0	Sh interface based on the Diameter protocol	N4
NP-030216	29.329	019	1	5.3.0	Rel-5	Correction to the use of Data-Reference	approved	F	5.4.0	Sh interface based on the Diameter protocol	N4
NP-030284	44.065	004	4	5.0.0	Rel-6	Additional support of ROHC in SNDCP	APPROVED	B	6.0.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
NP-030284	44.065	005	1	5.0.0	Rel-6	Multiple header compression algorithms handling	APPROVED	C	6.0.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
RP-030207	25.101	235	1	3.13.0	R99	Problems with "Out of sync" in Initial convergence test	approved	F	3.14.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	240	1	3.13.0	R99	Correction of SSDT performance requirements	approved	F	3.14.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	236	1	4.7.0	Rel-4	Problems with "Out of sync" in Initial convergence test	approved	A	4.8.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	241	1	4.7.0	Rel-4	Correction of SSDT performance requirements	approved	A	4.8.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	231	-	5.6.0	Rel-5	Maximum input power for the UE	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	237	1	5.6.0	Rel-5	Problems with "Out of sync" in Initial convergence test	approved	A	5.7.0	UE Radio transmission and reception (FDD)	R4

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RP-030207	25.101	242	1	5.6.0	Rel-5	Correction of SSDT performance requirements	approved	A	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030213	25.101	244	-	5.6.0	Rel-5	Correction of TPC dynamic range in tests using DPCCH as a phase reference	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	248	-	5.6.0	Rel-5	Removal of some of the FRC test cases with PA3 channel	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	249	1	5.6.0	Rel-5	Specification of HSDPA CQI test	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	255	-	5.6.0	Rel-5	Specification of HSDPA FRC Performance with Closed Loop Transmit Diversity	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	257	-	5.6.0	Rel-5	Specification of HS-SCCH Performance	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	259	-	5.6.0	Rel-5	Specification of HSDPA CQI test in fading	approved	F	5.7.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	232	-	6.0.0	Rel-6	Maximum input power for the UE	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030220	25.101	234	1	6.0.0	Rel-6	Requirements on common channels with TX diversity	approved	F	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	238	1	6.0.0	Rel-6	Problems with "Out of sync" in Initial convergence test	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030207	25.101	243	1	6.0.0	Rel-6	Correction of SSDT performance requirements	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030213	25.101	245	-	6.0.0	Rel-6	Correction of TPC dynamic range in tests using DPCCH as a phase reference	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	252	-	6.0.0	Rel-6	Removal of some of the FRC test cases with PA3 channel	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	253	-	6.0.0	Rel-6	Specification of HSDPA CQI test	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	256	-	6.0.0	Rel-6	Specification of HSDPA FRC Performance with Closed Loop Transmit Diversity	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	258	-	6.0.0	Rel-6	Specification of HS-SCCH Performance	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030217	25.101	260	-	6.0.0	Rel-6	Specification of HSDPA CQI test in fading	approved	A	6.1.0	UE Radio transmission and reception (FDD)	R4
RP-030218	25.102	137	1	5.4.0	Rel-5	Specification of HSDPA CQI test for 3.84 Mcps	approved	F	5.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030218	25.102	138	-	5.4.0	Rel-5	CQI performance requirements for 1.28 Mcps TDD option	approved	B	5.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030218	25.102	139	-	5.4.0	Rel-5	Addition of VRC performance requirements with low resource units for 1.28 Mcps TDD option	approved	B	5.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030218	25.102	140	-	5.4.0	Rel-5	Specification of HS-SCCH performance for 1.28 Mcps TDD option	approved	B	5.5.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030214	25.104	191	1	5.6.0	Rel-5	General corrections on co-existence and co-location requirements for UTRA-FDD BS	approved	F	5.7.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030220	25.104	185	-	6.1.0	Rel-6	Frequency error requirement correction	approved	F	6.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030221	25.104	186	-	6.1.0	Rel-6	Correction to DCH demodulation performance requirement in multipath fading case 4	approved	F	6.2.0	UTRA (BS) FDD; Radio transmission and reception	R4

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RP-030214	25.104	192	1	6.1.0	Rel-6	General corrections on co-existence and co-location requirements for UTRA-FDD BS	approved	A	6.2.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030211	25.106	022	1	4.5.0	Rel-4	Spurious emissions: Co-existence with UTRA-FDD BS, Operation in the same geographic area	approved	F	4.6.0	UTRA Repeater; Radio transmission and reception	R4
RP-030211	25.106	023	1	5.4.0	Rel-5	Spurious emissions: Co-existence with UTRA-FDD BS, Operation in the same geographic area	approved	A	5.5.0	UTRA Repeater; Radio transmission and reception	R4
RP-030208	25.123	305	-	3.12.0	R99	Applicability of Timer T-reselection for 2G cell reselection	approved	F	3.13.0	Requirements for support of radio resource management (TDD)	R4
RP-030208	25.123	299	-	4.8.0	Rel-4	Applicability of Timer T-reselection for 2G cell reselection	approved	F	4.9.0	Requirements for support of radio resource management (TDD)	R4
RP-030208	25.123	306	-	4.8.0	Rel-4	Applicability of Timer T-reselection for 2G cell reselection	approved	A	4.9.0	Requirements for support of radio resource management (TDD)	R4
RP-030208	25.123	300	-	5.4.0	Rel-5	Applicability of Timer T-reselection for 2G cell reselection	approved	A	5.5.0	Requirements for support of radio resource management (TDD)	R4
RP-030222	25.123	301	1	5.4.0	Rel-5	Correction of measurement and reporting capability requirements in CELL_DCH state in case of parallel measurements	approved	F	5.5.0	Requirements for support of radio resource management (TDD)	R4
RP-030278	25.123	302	-	5.4.0	Rel-5	Power Measurement in non HSDPA codes for TDD	approved	F	5.5.0	Requirements for support of radio resource management (TDD)	R4
RP-030218	25.123	304	-	5.4.0	Rel-5	HS-SICH measurements for UTRA TDD (1.28 and 3.84 Mcps option)	approved	F	5.5.0	Requirements for support of radio resource management (TDD)	R4
RP-030208	25.123	307	-	5.4.0	Rel-5	Applicability of Timer T-reselection for 2G cell reselection	approved	A	5.5.0	Requirements for support of radio resource management (TDD)	R4
RP-030209	25.133	564	2	3.13.0	R99	UE soft handover delay requirements	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	570	1	3.13.0	R99	Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	574	-	3.13.0	R99	SFN-SFN observed time difference type 1	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	577	-	3.13.0	R99	Correction to CPCH RSCP Test case A.9.1.1	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	585	-	3.13.0	R99	Correction to RRC Re-establishment delay test case in Section A.6.1	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	589	1	3.13.0	R99	TGPL limitations for inter-frequency measurements	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	599	-	3.13.0	R99	Correction to SFN-CFN observed time difference	approved	F	3.14.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	565	2	4.8.0	Rel-4	UE soft handover delay requirements	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	571	1	4.8.0	Rel-4	Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	575	-	4.8.0	Rel-4	SFN-SFN observed time difference type 1	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	578	-	4.8.0	Rel-4	Correction to CPCH RSCP Test case A.9.1.1	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	586	-	4.8.0	Rel-4	Correction to RRC Re-establishment delay test case in Section A.6.1	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4

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RP-030210	25.133	590	1	4.8.0	Rel-4	TGPL limitations for inter-frequency measurements	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	600	-	4.8.0	Rel-4	Correction to SFN-CFN observed time difference	approved	A	4.9.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	566	2	5.6.0	Rel-5	UE soft handover delay requirements	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	572	1	5.6.0	Rel-5	Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	576	-	5.6.0	Rel-5	SFN-SFN observed time difference type 1	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	579	-	5.6.0	Rel-5	Correction to CPCH RSCP Test case A.9.1.1	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030219	25.133	583	-	5.6.0	Rel-5	Correction to Observed time difference to GSM cell requirement	approved	F	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	587	-	5.6.0	Rel-5	Correction to RRC Re-establishment delay test case in Section A.6.1	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	591	1	5.6.0	Rel-5	TGPL limitations for inter-frequency measurements	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	601	-	5.6.0	Rel-5	Correction to SFN-CFN observed time difference	approved	A	5.7.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	567	2	6.1.0	Rel-6	UE soft handover delay requirements	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	573	1	6.1.0	Rel-6	Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	580	-	6.1.0	Rel-6	Correction to CPCH RSCP Test case A.9.1.1	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030219	25.133	584	-	6.1.0	Rel-6	Correction to Observed time difference to GSM cell requirement	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	588	-	6.1.0	Rel-6	Correction to RRC Re-establishment delay test case in Section A.6.1	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	592	1	6.1.0	Rel-6	TGPL limitations for inter-frequency measurements	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030220	25.133	596	1	6.1.0	Rel-6	Correction to CPICH_RSCP test case A.9.1.1.1	approved	F	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030209	25.133	597	-	6.1.0	Rel-6	SFN-SFN observed time difference type 1	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030210	25.133	602	-	6.1.0	Rel-6	Correction to SFN-CFN observed time difference	approved	A	6.2.0	Requirements for support of radio resource management (FDD)	R4
RP-030215	25.141	299	1	5.6.0	Rel-5	Correction and alignment on the test requirements for UTRA-FDD BS in co-existence and co-location with GSM/UTRA	approved	F	5.7.0	Base station conformance testing (FDD)	R4
RP-030221	25.141	291	-	6.1.0	Rel-6	Correction to DCH demodulation performance test in multipath fading case 4	approved	F	6.2.0	Base station conformance testing (FDD)	R4
RP-030221	25.141	292	-	6.1.0	Rel-6	Correction of applicability of requirements to BS classes	approved	F	6.2.0	Base station conformance testing (FDD)	R4
RP-030215	25.141	300	1	6.1.0	Rel-6	Correction and alignment on the test requirements for UTRA-FDD BS in co-existence and co-location with GSM/UTRA	approved	A	6.2.0	Base station conformance testing (FDD)	R4
RP-030216	25.142	167	1	5.4.0	Rel-5	Statistical approach for BER BLER tests for TDD	approved	F	5.5.0	Base station conformance testing (TDD)	R4

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RP-030211	25.143	031	1	4.7.0	Rel-4	Spurious emissions: Co-existence with UTRA-FDD BS, Operation in the same geographic area	approved	F	4.8.0	UTRA repeater; Conformance testing	R4
RP-030212	25.143	033	-	4.7.0	Rel-4	Removal of square brackets in the test uncertainty section regarding output intermodulation	approved	F	4.8.0	UTRA repeater; Conformance testing	R4
RP-030211	25.143	032	1	5.4.0	Rel-5	Spurious emissions: Co-existence with UTRA-FDD BS, Operation in the same geographic area	approved	A	5.5.0	UTRA repeater; Conformance testing	R4
RP-030212	25.143	034	-	5.4.0	Rel-5	Removal of square brackets in the test uncertainty section regarding output intermodulation	approved	A	5.5.0	UTRA repeater; Conformance testing	R4
RP-030351	25.211	177	-	5.3.0	Rel-5	Removal of the combination of TxAA Mode 1 with HS-SCCH	rejected	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-030271	25.211	178	-	5.3.0	Rel-5	Alignment of the terminology, "subframe"	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-030271	25.211	179	-	5.3.0	Rel-5	Correction of AICH description	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-030271	25.211	180	-	5.3.0	Rel-5	Correction of description of TTX_diff	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-030272	25.212	172	1	5.4.0	Rel-5	Clarification of TPC and Pilot transmission with STTD in compressed mode	approved	F	5.5.0	Multiplexing and channel coding (FDD)	R1
RP-030272	25.212	173	2	5.4.0	Rel-5	Correction on the flexible TFCI coding in the DSCH hard split mode for Rel5	approved	F	5.5.0	Multiplexing and channel coding (FDD)	R1
RP-030273	25.214	314	1	5.4.0	Rel-5	Correction of TPC command combining in SHO	approved	F	5.5.0	Physical layer procedures (FDD)	R1
RP-030273	25.214	319	-	5.4.0	Rel-5	Correction for HS-DPCCH gain factor in compressed frame	approved	F	5.5.0	Physical layer procedures (FDD)	R1
RP-030273	25.214	320	1	5.4.0	Rel-5	Clarification of HS-SCCH reception in case of minimum interTTI interval is not 1	approved	F	5.5.0	Physical layer procedures (FDD)	R1
RP-030273	25.214	321	-	5.4.0	Rel-5	Correction of description of CQI transmission timing calculation	approved	F	5.5.0	Physical layer procedures (FDD)	R1
RP-030273	25.214	322	1	5.4.0	Rel-5	Clarification of the reference power for HS-DPCCH	approved	F	5.5.0	Physical layer procedures (FDD)	R1
RP-030270	25.215	140	-	3.11.0	R99	Correction of transmitted carrier power definition in case of Tx diversity	approved	F	3.12.0	Physical layer; Measurements (FDD)	R1
RP-030270	25.215	141	-	4.6.0	Rel-4	Correction of transmitted carrier power definition in case of Tx diversity	approved	A	4.7.0	Physical layer; Measurements (FDD)	R1
RP-030353	25.215	138	3	5.3.0	Rel-5	Beamforming Enhancement related measurements	revised	B		Physical layer; Measurements (FDD)	R1
RP-030367	25.215	138	4	5.3.0	Rel-5	Beamforming Enhancement related measurements	revised	F		Physical layer; Measurements (FDD)	R1
RP-030368	25.215	138	5	5.3.0	Rel-5	Beamforming Enhancement related measurements	approved	F	5.4.0	Physical layer; Measurements (FDD)	R1
RP-030270	25.215	142	-	5.3.0	Rel-5	Correction of transmitted carrier power definition in case of Tx diversity	approved	A	5.4.0	Physical layer; Measurements (FDD)	R1
RP-030274	25.215	143	-	5.3.0	Rel-5	Correction of transmitted carrier power of all codes not used for HS-PDSCH or HS-SCCH transmission definition in case of Tx diversity:	approved	F	5.4.0	Physical layer; Measurements (FDD)	R1
RP-030275	25.221	114	1	5.4.0	Rel-5	Corrections to field coding of TPC for support of HS-SICH (3.84Mcps TDD)	approved	F	5.5.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1

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RP-030276	25.222	111	-	5.4.0	Rel-5	Corrections to field coding of CQI for HS-SICH (3.84Mcps TDD)	approved	F	5.5.0	Multiplexing and channel coding (TDD)	R1
RP-030276	25.222	112	-	5.4.0	Rel-5	Correction to definition of number of bits available to HS-DSCH in one TTI.	approved	F	5.5.0	Multiplexing and channel coding (TDD)	R1
RP-030277	25.224	120	-	5.4.0	Rel-5	Clarifications for the 1.28Mcps TDD power control procedure	approved	F	5.5.0	Physical layer procedures (TDD)	R1
RP-030365	25.225	072	-	3.11.0	R99	Correction of transmitted carrier power definition in case of Tx diversity	approved	F	3.12.0	Physical layer; Measurements (TDD)	R1
RP-030365	25.225	073	-	4.6.0	Rel-4	Correction of transmitted carrier power definition in case of Tx diversity	approved	A	4.7.0	Physical layer; Measurements (TDD)	R1
RP-030278	25.225	070	-	5.4.0	Rel-5	Power Measurement in non HSDPA codes for TDD	revised	F		Physical layer; Measurements (TDD)	R1
RP-030366	25.225	070	1	5.4.0	Rel-5	Power Measurement in non HSDPA codes for TDD	approved	F	5.5.0	Physical layer; Measurements (TDD)	R1
RP-030365	25.225	074	-	5.4.0	Rel-5	Correction of transmitted carrier power definition in case of Tx diversity	approved	A	5.5.0	Physical layer; Measurements (TDD)	R1
RP-030299	25.302	138	-	5.4.0	Rel-5	Measurements on HS-SICH for UTRA TDD	approved	F	5.5.0	Services provided by the physical layer	R2
RP-030278	25.302	139	-	5.4.0	Rel-5	Power Measurement in non HSDPA codes	approved	F	5.5.0	Services provided by the physical layer	R2
RP-030289	25.304	105	-	3.12.0	R99	Correction to cell selection process to include RRC connected mode	approved	F	3.13.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-030289	25.304	106	-	4.6.0	Rel-4	Correction to cell selection process to include RRC connected mode	approved	A	4.7.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-030289	25.304	107	-	5.2.0	Rel-5	Correction to cell selection process to include RRC connected mode	approved	A	5.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-030290	25.305	086	-	3.8.0	R99	Handling of UP Assistance Data	approved	F	3.9.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-030290	25.305	087	-	4.4.0	Rel-4	Handling of UP Assistance Data	approved	A	4.5.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-030290	25.305	088	-	5.5.0	Rel-5	Handling of UP Assistance Data	approved	A	5.6.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-030300	25.305	089	-	5.5.0	Rel-5	Addition of Position Method Used, to attributes returned with position estimate.	approved	F	5.6.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2
RP-030291	25.306	065	-	3.7.0	R99	Extension of 32 kbps UE capability class	approved	F	3.8.0	UE Radio Access capabilities definition	R2
RP-030291	25.306	066	-	4.6.0	Rel-4	Extension of 32 kbps UE capability class	approved	A	4.7.0	UE Radio Access capabilities definition	R2
RP-030291	25.306	067	-	5.4.0	Rel-5	Extension of 32 kbps UE capability class	approved	A	5.5.0	UE Radio Access capabilities definition	R2
RP-030301	25.306	068	-	5.4.0	Rel-5	Correction of maximum transport block sizes for UE categories	approved	F	5.5.0	UE Radio Access capabilities definition	R2
RP-030301	25.306	069	-	5.4.0	Rel-5	SF1 corrections for TDD	approved	F	5.5.0	UE Radio Access capabilities definition	R2
RP-030305	25.306	071	-	5.4.0	Rel-5	Variable Tx/Rx frequency separation	rejected	F		UE Radio Access capabilities definition	R2
RP-030305	25.307	005	-	3.1.0	R99	Variable Tx/Rx frequency separation	rejected	F		Requirements on UEs supporting a release-independent frequency band	R2
RP-030305	25.307	006	-	4.1.0	Rel-4	Variable Tx/Rx frequency separation	rejected	A		Requirements on UEs supporting a release-independent frequency band	R2

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RP-030302	25.321	171	-	5.4.0	Rel-5	Text clean up of the description of the reordering entity	approved	F	5.5.0	Medium Access Control (MAC) protocol specification	R2
RP-030302	25.321	172	-	5.4.0	Rel-5	MAC header for DTCH and DCCH mapped to HS-DSCH	approved	F	5.5.0	Medium Access Control (MAC) protocol specification	R2
RP-030302	25.321	173	-	5.4.0	Rel-5	UE procedure for TB Size signaling	rejected	F		Medium Access Control (MAC) protocol specification	R2
RP-030292	25.322	218	2	3.14.0	R99	Handling of erroneous PDUs	approved	F	3.15.0	Radio Link Control (RLC) protocol specification	R2
RP-030292	25.322	223	-	3.14.0	R99	Setting of the "Polling bit" in the "Every Poll_SDU SDU" function	approved	F	3.15.0	Radio Link Control (RLC) protocol specification	R2
RP-030292	25.322	219	2	4.8.0	Rel-4	Handling of erroneous PDUs	approved	A	4.9.0	Radio Link Control (RLC) protocol specification	R2
RP-030297	25.322	221	-	4.8.0	Rel-4	Receiver behaviour when detecting an AMD PDU duplicate	approved	F	4.9.0	Radio Link Control (RLC) protocol specification	R2
RP-030292	25.322	224	-	4.8.0	Rel-4	Setting of the "Polling bit" in the "Every Poll_SDU SDU" function	approved	A	4.9.0	Radio Link Control (RLC) protocol specification	R2
RP-030297	25.322	226	-	4.8.0	Rel-4	RLC window size reconfigurations	approved	F	4.9.0	Radio Link Control (RLC) protocol specification	R2
RP-030292	25.322	220	2	5.4.0	Rel-5	Handling of erroneous PDUs	approved	A	5.5.0	Radio Link Control (RLC) protocol specification	R2
RP-030297	25.322	222	-	5.4.0	Rel-5	Receiver behaviour when detecting an AMD PDU duplicate	approved	A	5.5.0	Radio Link Control (RLC) protocol specification	R2
RP-030292	25.322	225	-	5.4.0	Rel-5	Setting of the "Polling bit" in the "Every Poll_SDU SDU" function	approved	A	5.5.0	Radio Link Control (RLC) protocol specification	R2
RP-030297	25.322	227	-	5.4.0	Rel-5	RLC window size reconfigurations	approved	A	5.5.0	Radio Link Control (RLC) protocol specification	R2
RP-030293	25.331	1911	-	3.14.0	R99	Handling of UP Assistance Data	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1914	1	3.14.0	R99	Concerns on Procedures for Cell-ID Positioning Method	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1917	-	3.14.0	R99	Inconsistency between Procedural, ASN.1, and Tabular Aspects of UE Positioning Error	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1920	-	3.14.0	R99	Removal of FFS (For further Study) and references to other working groups	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1924	-	3.14.0	R99	Key handling when entering idle mode and coding of security capabilities	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1927	-	3.14.0	R99	Security actions when SIM is present on RRC Connection Request	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1930	-	3.14.0	R99	Update of interfrequency measurement cell info list, reading of SIB11/12, inclusion of Measured Results on RACH	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1933	-	3.14.0	R99	L3 filtering	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1935	-	3.14.0	R99	Additional measurements without measurement validity	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1938	-	3.14.0	R99	Handover to UTRAN in macrodiversity	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030294	25.331	1941	1	3.14.0	R99	TVM Reporting in CELL_PCH state	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1944	1	3.14.0	R99	Initialisation of the Virtual Active Set	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1947	-	3.14.0	R99	IE "Tx diversity mode" in ACTIVE SET UPDATE message	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1950	1	3.14.0	R99	Correction to transport channel traffic volume measurement events 4a and 4b	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1953	-	3.14.0	R99	Maximum Number of GPS Almanac Messages to be Stored in UE_POSITIONING_GPS_DATA	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030296	25.331	1956	1	3.14.0	R99	Stopping of RLC entities at relocation	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-030374	25.331	1956	2	3.14.0	R99	Stopping of RLC entities at relocation	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030284	25.331	1964	1	3.14.0	R99	Setting of T317 to infinity	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030285	25.331	1967	3	3.14.0	R99	UE behaviour when out of service (RRC connection released on emergency camping)	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030286	25.331	1970	4	3.14.0	R99	RRC connection kept on emergency camping	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030287	25.331	1973	1	3.14.0	R99	Keep connection during OOS or perform RAU on return to coverage	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030306	25.331	1976	1	3.14.0	R99	Ciphering Mode info IE in 2G-3G Handover	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-030306	25.331	1976	2	3.14.0	R99	Ciphering Mode info IE in 2G-3G Handover	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-030349	25.331	1976	3	3.14.0	R99	Ciphering Mode info IE in 2G-3G Handover	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-030369	25.331	1976	4	3.14.0	R99	Ciphering Mode info IE in 2G-3G Handover	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1979	-	3.14.0	R99	START values on 2G-3G handover	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030307	25.331	1985	1	3.14.0	R99	Corrections to security procedures in case of pending security configurations at SRNS Relocation	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-030350	25.331	1985	1	3.14.0	R99	Corrections to security procedures in case of pending security configurations at SRNS Relocation	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030371	25.331	1988	-	3.14.0	R99	Setting of T317 to infinity and out of service behaviour	approved	F	3.15.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1912	-	4.9.0	Rel-4	Handling of UP Assistance Data	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1915	1	4.9.0	Rel-4	Concerns on Procedures for Cell-ID Positioning Method	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1918	-	4.9.0	Rel-4	Inconsistency between Procedural, ASN.1, and Tabular Aspects of UE Positioning Error	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1921	-	4.9.0	Rel-4	Removal of FFS (For further Study) and references to other working groups	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1925	-	4.9.0	Rel-4	Key handling when entering idle mode and coding of security capabilities	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030293	25.331	1928	-	4.9.0	Rel-4	Security actions when SIM is present on RRC Connection Request	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1931	-	4.9.0	Rel-4	Update of interfrequency measurement cell info list, reading of SIB11/12, inclusion of Measured Results on RACH	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1934	-	4.9.0	Rel-4	L3 filtering	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1936	-	4.9.0	Rel-4	Additional measurements without measurement validity	approved	F	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1939	-	4.9.0	Rel-4	Handover to UTRAN in macrodiversity	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1942	1	4.9.0	Rel-4	TVM Reporting in CELL_PCH state	approved	F	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1945	1	4.9.0	Rel-4	Initialisation of the Virtual Active Set	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1948	-	4.9.0	Rel-4	IE "Tx diversity mode" in ACTIVE SET UPDATE message	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1951	1	4.9.0	Rel-4	Correction to transport channel traffic volume measurement events 4a and 4b	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1954	-	4.9.0	Rel-4	Maximum Number of GPS Almanac Messages to be Stored in UE_POSITIONING_GPS_DATA	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030296	25.331	1957	1	4.9.0	Rel-4	Stopping of RLC entities at relocation	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030374	25.331	1957	2	4.9.0	Rel-4	Stopping of RLC entities at relocation	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030284	25.331	1965	1	4.9.0	Rel-4	Setting of T317 to infinity	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030285	25.331	1968	3	4.9.0	Rel-4	UE behaviour when out of service (RRC connection released on emergency camping)	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030286	25.331	1971	4	4.9.0	Rel-4	RRC connection kept on emergency camping	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030287	25.331	1974	1	4.9.0	Rel-4	Keep connection during OOS or perform RAU on return to coverage	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030306	25.331	1977	1	4.9.0	Rel-4	Ciphering Mode info IE in 2G-3G Handover	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030349	25.331	1977	3	4.9.0	Rel-4	Ciphering Mode info IE in 2G-3G Handover	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030369	25.331	1977	4	4.9.0	Rel-4	Ciphering Mode info IE in 2G-3G Handover	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1980	-	4.9.0	Rel-4	START values on 2G-3G handover	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030298	25.331	1982	-	4.9.0	Rel-4	ROHC profile signalling	approved	F	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030298	25.331	1984	-	4.9.0	Rel-4	Optimisation of the INTER RAT HANDOVER INFO message	approved	C	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030307	25.331	1986	1	4.9.0	Rel-4	Corrections to security procedures in case of pending security configurations at SRNS Relocation	revised	A		Radio Resource Control (RRC) protocol specification	R2

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RP-030350	25.331	1986	1	4.9.0	Rel-4	Corrections to security procedures in case of pending security configurations at SRNS Relocation	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030371	25.331	1989	-	4.9.0	Rel-4	Setting of T317 to infinity and out of service behaviour	approved	A	4.10.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1913	-	5.4.0	Rel-5	Handling of UP Assistance Data	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1916	1	5.4.0	Rel-5	Concerns on Procedures for Cell-ID Positioning Method	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1919	-	5.4.0	Rel-5	Inconsistency between Procedural, ASN.1, and Tabular Aspects of UE Positioning Error	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1922	-	5.4.0	Rel-5	Removal of FFS (For further Study) and references to other working groups	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1926	-	5.4.0	Rel-5	Key handling when entering idle mode and coding of security capabilities	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030293	25.331	1929	-	5.4.0	Rel-5	Security actions when SIM is present on RRC Connection Request	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1932	-	5.4.0	Rel-5	Update of interfrequency measurement cell info list, reading of SIB11/12, inclusion of Measured Results on RACH	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1937	-	5.4.0	Rel-5	Additional measurements without measurement validity	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1940	-	5.4.0	Rel-5	Handover to UTRAN in macrodiversity	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1943	1	5.4.0	Rel-5	TVM Reporting in CELL_PCH state	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030294	25.331	1946	1	5.4.0	Rel-5	Initialisation of the Virtual Active Set	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1949	-	5.4.0	Rel-5	IE "Tx diversity mode" in ACTIVE SET UPDATE message	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1952	1	5.4.0	Rel-5	Correction to transport channel traffic volume measurement events 4a and 4b	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1955	-	5.4.0	Rel-5	Maximum Number of GPS Almanac Messages to be Stored in UE_POSITIONING_GPS_DATA	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030296	25.331	1958	1	5.4.0	Rel-5	Stopping of RLC entities at relocation	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030374	25.331	1958	2	5.4.0	Rel-5	Stopping of RLC entities at relocation	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030298	25.331	1959	1	5.4.0	Rel-5	Optimisation of the INTER RAT HANDOVER INFO message	approved	C	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030303	25.331	1960	-	5.4.0	Rel-5	Correction to the IE 'HS-DSCH capability class'	approved	F	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030303	25.331	1961	-	5.4.0	Rel-5	Correction of "RB mapping info" in case HS-DSCH + DCH	approved	F	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030305	25.331	1962	-	5.4.0	Rel-5	Variable Tx/Rx frequency separation	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030303	25.331	1963	-	5.4.0	Rel-5	Explanation of CV-UE for the IE MidambleShift in the tabular	approved	F	5.5.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030284	25.331	1966	1	5.4.0	Rel-5	Setting of T317 to infinity	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030285	25.331	1969	3	5.4.0	Rel-5	UE behaviour when out of service (RRC connection released on emergency camping)	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030286	25.331	1972	4	5.4.0	Rel-5	RRC connection kept on emergency camping	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030287	25.331	1975	1	5.4.0	Rel-5	Keep connection during OOS or perform RAU on return to coverage	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030306	25.331	1978	1	5.4.0	Rel-5	Ciphering Mode info IE in 2G-3G Handover	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030349	25.331	1978	3	5.4.0	Rel-5	Ciphering Mode info IE in 2G-3G Handover	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030369	25.331	1978	4	5.4.0	Rel-5	Ciphering Mode info IE in 2G-3G Handover	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030295	25.331	1981	-	5.4.0	Rel-5	START values on 2G-3G handover	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030298	25.331	1983	-	5.4.0	Rel-5	ROHC profile signalling	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030307	25.331	1987	1	5.4.0	Rel-5	Corrections to security procedures in case of pending security configurations at SRNS Relocation	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-030350	25.331	1987	2	5.4.0	Rel-5	Corrections to security procedures in case of pending security configurations at SRNS Relocation	approved	A	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030371	25.331	1990	-	5.4.0	Rel-5	Setting of T317 to infinity and out of service behaviour	approved	F	5.5.0	Radio Resource Control (RRC) protocol specification	R2
RP-030317	25.401	067	1	5.5.0	Rel-5	Correction to HS-DSCH transport in case of SRNC not coincident with CRNC and without flow control in the CRNC.	approved	F	5.6.0	UTRAN overall description	R3
RP-030317	25.401	068	1	6.0.0	Rel-6	Correction to HS-DSCH transport in case of SRNC not coincident with CRNC and without flow control in the CRNC.	approved	A	6.1.0	UTRAN overall description	R3
RP-030318	25.402	039	-	5.1.0	Rel-5	Removal of the Frequency Acquisition for Late-Entrant Cells for 1.28Mcps TDD	approved	F	5.2.0	Synchronisation in UTRAN Stage 2	R3
RP-030340	25.413	563	3	3.12.0	R99	Introduction of early UE Handling – IMEISV Option	rejected	F		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030339	25.413	565	2	3.12.0	R99	Introduction of Early UE Handling – Bitmap Option	rejected	F		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030314	25.413	568	2	3.12.0	R99	Essential Correction of Iu Release Issue	approved	F	3.13.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030340	25.413	564	3	4.8.0	Rel-4	Introduction of early UE Handling- IMEISV Option	rejected	A		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030339	25.413	566	2	4.8.0	Rel-4	Introduction of Early UE Handling – Bitmap Option	rejected	A		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3

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RP-030314	25.413	569	2	4.8.0	Rel-4	Essential Correction of Iu Release Issue	approved	A	4.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030326	25.413	571	1	4.8.0	Rel-4	Correction of failure message used for logical errors	approved	F	4.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030316	25.413	575	2	4.8.0	Rel-4	Iu UP Initialisation during RAB modification	approved	F	4.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030340	25.413	567	3	5.4.0	Rel-5	Introduction of Early UE Handling Functionality – IMEISV Option	rejected	A		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030314	25.413	570	2	5.4.0	Rel-5	Essential Correction of Iu Release Issue	approved	A	5.5.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030326	25.413	572	1	5.4.0	Rel-5	Correction of failure message used for logical errors	approved	A	5.5.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030339	25.413	573	2	5.4.0	Rel-5	Introduction of Early UE Handling – Bitmap Option	approved	F	5.5.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030316	25.413	576	2	5.4.0	Rel-5	Iu UP Initialisation during RAB modification	approved	A	5.5.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3
RP-030315	25.419	110	2	3.10.0	R99	Correction of Kill Unsuccessful Outcome	approved	F	3.11.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030315	25.419	111	1	4.7.0	Rel-4	Correction of Kill Unsuccessful Outcome	approved	A	4.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030362	25.419	114	2	4.7.0	Rel-4	Correction of Finite Number of Broadcast	withdrawn	F		UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030326	25.419	116	-	4.7.0	Rel-4	Correction of failure message used for logical errors	approved	F	4.8.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030315	25.419	112	1	5.3.0	Rel-5	Correction of Kill Unsuccessful Outcome	approved	A	5.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030362	25.419	115	2	5.3.0	Rel-5	Correction of Finite Number of Broadcast	withdrawn	A		UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030326	25.419	117	-	5.3.0	Rel-5	Correction of failure message used for logical errors	approved	A	5.4.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030330	25.423	839	1	3.13.0	R99	Corrections to Tx Diversity	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030372	25.423	839	2	3.13.0	R99	Corrections to Tx Diversity	rejected	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030324	25.423	823	1	4.8.0	Rel-4	Alignment of the Requested Data Value Information IE description	approved	F	4.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3

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RP-030325	25.423	825	-	4.8.0	Rel-4	GPS trigger condition	approved	F	4.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030330	25.423	840	1	4.8.0	Rel-4	Corrections to Tx Diversity	rejected	A		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030326	25.423	841	-	4.8.0	Rel-4	Correction of failure message used for logical errors	approved	F	4.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030332	25.423	815	-	5.5.0	Rel-5	Alignment of TDD HSDPA parameters to RAN2 and RAN 1.	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030344	25.423	817	1	5.5.0	Rel-5	Phase Reference Signalling Support	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030368	25.423	817	2	5.5.0	Rel-5	Phase Reference Signalling Support	rejected	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030367	25.423	817	2	5.5.0	Rel-5	Phase Reference Signalling Support	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030338	25.423	820	2	5.5.0	Rel-5	Group reset	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030358	25.423	820	3	5.5.0	Rel-5	Group reset	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030334	25.423	821	-	5.5.0	Rel-5	TDD Channelisation Code LCR correction for HSDPA	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030319	25.423	822	-	5.5.0	Rel-5	Correction of the figure of the Information Exchange Failure procedure	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030324	25.423	824	1	5.5.0	Rel-5	Alignment of the Requested Data Value Information IE description	approved	A	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030325	25.423	826	-	5.5.0	Rel-5	GPS trigger condition	approved	A	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030319	25.423	827	-	5.5.0	Rel-5	Alignment of tables in Information Exchange Initiation procedure description	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030329	25.423	832	2	5.5.0	Rel-5	HS-SCCH Change Indicator	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030330	25.423	833	2	5.5.0	Rel-5	Corrections to Tx Diversity	rejected	A		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3

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RP-030335	25.423	835	-	5.5.0	Rel-5	Correction to HARQ Memory Partitioning	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030337	25.423	836	-	5.5.0	Rel-5	Correction for the value range of "CQI Feedback cycle, k"	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030336	25.423	837	1	5.5.0	Rel-5	Clarification for the handling of the HS-DSCH	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030279	25.423	837	2	5.5.0	Rel-5	Clarification for the handling of the HS-DSCH	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030328	25.423	838	2	5.5.0	Rel-5	Resource handling of HS-DSCH Guaranteed Bit Rate	approved	F	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030326	25.423	842	-	5.5.0	Rel-5	Correction of failure message used for logical errors	approved	A	5.6.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3
RP-030331	25.425	061	2	5.4.0	Rel-5	Correction for the HS-DSCH frame structure	approved	F	5.5.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-030327	25.425	062	1	5.4.0	Rel-5	Clarification of Capacity Allocation Interval Definition	approved	F	5.5.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-030330	25.433	863	-	3.13.0	R99	Corrections to Tx Diversity	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-030372	25.433	863	1	3.13.0	R99	Corrections to Tx Diversity	rejected	F		UTRAN Iub interface NBAP signalling	R3
RP-030325	25.433	844	-	4.8.0	Rel-4	GPS trigger condition	approved	F	4.9.0	UTRAN Iub interface NBAP signalling	R3
RP-030324	25.433	861	-	4.8.0	Rel-4	Alignment of the Requested Data Value Information IE description	approved	F	4.9.0	UTRAN Iub interface NBAP signalling	R3
RP-030330	25.433	864	-	4.8.0	Rel-4	Corrections to Tx Diversity	rejected	A		UTRAN Iub interface NBAP signalling	R3
RP-030326	25.433	866	-	4.8.0	Rel-4	Correction of failure message used for logical errors	approved	F	4.9.0	UTRAN Iub interface NBAP signalling	R3
RP-030332	25.433	833	-	5.4.0	Rel-5	Alignment of TDD HSDPA parameters to RAN2 and RAN 1.	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030278	25.433	834	-	5.4.0	Rel-5	HS-DSCH: Addition of non HS-DSCH power measurement for TDD.	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030333	25.433	835	-	5.4.0	Rel-5	HSPDA General Corrections	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030344	25.433	836	1	5.4.0	Rel-5	Phase Reference Signalling Support	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-030367	25.433	836	3	5.4.0	Rel-5	Phase Reference Signalling Support	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-030368	25.433	836	4	5.4.0	Rel-5	Phase Reference Signalling Support	rejected	F		UTRAN Iub interface NBAP signalling	R3
RP-030320	25.433	840	-	5.4.0	Rel-5	Alignment of maximum HS DSCH code numbers to 25.211	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030320	25.433	841	-	5.4.0	Rel-5	Correction in the tabular format of the CELL SYNCHRONISATION REPORT [TDD] message	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030320	25.433	842	-	5.4.0	Rel-5	Clarification of optional IEs for Node B synchronisation for LCR TDD	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030334	25.433	843	-	5.4.0	Rel-5	TDD Channelisation Code LCR correction for HSDPA	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030325	25.433	845	-	5.4.0	Rel-5	GPS trigger condition	approved	A	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030329	25.433	850	1	5.4.0	Rel-5	HS-SCCH Change Indicator	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030330	25.433	851	1	5.4.0	Rel-5	Corrections to Tx Diversity	rejected	A		UTRAN Iub interface NBAP signalling	R3
RP-030335	25.433	854	-	5.4.0	Rel-5	Correction to HARQ Memory Partitioning	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3

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RP-030337	25.433	855	-	5.4.0	Rel-5	Correction for the value range of "CQI Feedback cycle, k"	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030336	25.433	856	1	5.4.0	Rel-5	Clarification for the handling of the HS-DSCH	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030320	25.433	857	1	5.4.0	Rel-5	Clarification of SCCPCH maximum power for TDD	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030328	25.433	859	2	5.4.0	Rel-5	Resource handling of HS-DSCH Guaranteed Bit Rate	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030324	25.433	862	-	5.4.0	Rel-5	Alignment of the Requested Data Value Information IE description	approved	A	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030320	25.433	865	-	5.4.0	Rel-5	HS-SCCH Code deletion/replacement with Physical Shared Channel Reconfiguration	approved	F	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030326	25.433	867	-	5.4.0	Rel-5	Correction of failure message used for logical errors	approved	A	5.5.0	UTRAN Iub interface NBAP signalling	R3
RP-030331	25.435	099	2	5.4.0	Rel-5	Correction for the HS-DSCH frame structure	approved	F	5.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030321	25.435	100	-	5.4.0	Rel-5	Power setting for multiplexed DSCH data frames	approved	F	5.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030327	25.435	101	1	5.4.0	Rel-5	Clarification of Capacity Allocation Interval Definition	approved	F	5.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030321	25.435	102	1	5.4.0	Rel-5	S-CCPCH power setting in case of no data transmission	approved	F	5.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030324	25.453	031	1	5.5.0	Rel-5	Alignment of the Requested Data Value Information IE description	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030325	25.453	033	-	5.5.0	Rel-5	GPS trigger condition	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	036	1	5.5.0	Rel-5	"On Modification" and "Periodic" reporting alignment for Information Exchange procedures	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	039	-	5.5.0	Rel-5	Criticality Aspects	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	040	-	5.5.0	Rel-5	Information Exchange Initiation Request for GPS Navigation Model	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	041	-	5.5.0	Rel-5	DGPS Parameters	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	042	1	5.5.0	Rel-5	Removal of Information Exchange Object Type	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	043	-	5.5.0	Rel-5	Information Report of GPS Almanac and Satellite Health	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030326	25.453	049	-	5.5.0	Rel-5	Correction of failure message used for logical errors	approved	F	5.6.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030341	25.453	028	-	6.0.0	Rel-6	Improvement of position calculation with pathloss	rejected	C		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3

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RP-030324	25.453	032	1	6.0.0	Rel-6	Alignment of the Requested Data Value Information IE description	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030325	25.453	034	-	6.0.0	Rel-6	GPS trigger condition	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030341	25.453	035	-	6.0.0	Rel-6	Position Calculation Extension for TDD	approved	C	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	037	1	6.0.0	Rel-6	"On Modification" and "Periodic" reporting alignment for Information Exchange procedures	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	044	-	6.0.0	Rel-6	Criticality Aspects	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	045	-	6.0.0	Rel-6	Information Exchange Initiation Request for GPS Navigation Model	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	046	-	6.0.0	Rel-6	DGPS Parameters	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	047	-	6.0.0	Rel-6	Removal of Information Exchange Object Type	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030322	25.453	048	-	6.0.0	Rel-6	Information Report of GPS Almanac and Satellite Health	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030326	25.453	050	-	6.0.0	Rel-6	Correction of failure message used for logical errors	approved	A	6.1.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030304	25.922	023	-	5.0.0	Rel-5	UTRAN-GERAN handovers	rejected	F		Radio Resource Management Strategies	R2
RP-030323	25.933	004	2	5.2.0	Rel-5	Corrections to ATM-IP interworking	approved	F	5.3.0	IP transport in UTRAN	R3
RP-030221	25.951	001	1	6.0.0	Rel-6	Radio network planning considerations	approved	F	6.1.0	Base Station classification (FDD)	R4
RP-030288	25.993	004	-	6.1.0	Rel-6	Corrections to the UE capabilities and editorial changes	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2
RP-030288	25.993	005	-	6.1.0	Rel-6	New configuration for CBS: CTCH, PCCH, 32kbps RAB and SRBs on 1 S-CCPCH	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2
RP-030288	25.993	006	-	6.1.0	Rel-6	New SCCPCH Configurations	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2

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RP-030288	25.993	008	-	6.1.0	Rel-6	PS streaming and CS speech RAB combinations	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2
RP-030288	25.993	009	-	6.1.0	Rel-6	RB configuration for the support of wideband AMR speech telephony services	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2
RP-030288	25.993	010	-	6.1.0	Rel-6	Corrections on TDD RAB's	approved	F	6.2.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2
SP-030228	01.01	012	-	3.0.0	Ph2	Update of list of specs for next Release	approved	F	4.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030228	01.01	013	-	4.0.0	R96	Update of list of specs for next Release	approved	F	5.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030228	01.01	014	-	5.0.0	R97	Update of list of specs for next Release	approved	F	6.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030228	01.01	015	-	6.0.0	R98	Update of list of specs for next Release	approved	F	7.0.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030229	01.01	016	-	8.9.0	R99	Change of title to render it independent of Release	approved	F	8.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030229	01.01	017	-	8.9.0	R99	Correction to list of specs	approved	F	8.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP
SP-030229	21.101	014	-	3.11.0	R99	Correction to list of specs	approved	F	3.12.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP
SP-030359	21.101	015	-	3.11.0	R99	Change spec title to make it release-independent	approved	F	3.12.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP
SP-030357	21.101	015	-	3.11.0	R99	Change spec title to make it release-independent	withdrawn	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP
SP-030229	21.102	011	-	4.8.0	Rel-4	Correction to list of specs	approved	F	4.9.0	3rd Generation mobile system Release 4 specifications	SP
SP-030357	21.102	012	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		3rd Generation mobile system Release 4 specifications	SP
SP-030359	21.102	012	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	4.9.0	3rd Generation mobile system Release 4 specifications	SP
SP-030229	21.103	004	1	5.3.0	Rel-5	Correction to list of specs	approved	F	5.4.0	3rd Generation mobile system Release 5 specifications	SP
SP-030359	21.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	5.4.0	3rd Generation mobile system Release 5 specifications	SP
SP-030357	21.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		3rd Generation mobile system Release 5 specifications	SP

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SP-030240	21.905	048	-	4.4.0	Rel-4	Correction of acronyms in TR21.905	approved	F	4.5.0	Vocabulary for 3GPP Specifications	S1
SP-030240	21.905	049	-	5.6.0	Rel-5	Correction of acronyms in TR21.905	approved	A	5.7.0	Vocabulary for 3GPP Specifications	S1
SP-030247	21.905	047	-	6.2.0	Rel-6	Addition of the definition and acronym of 3GPP Generic User Profile	approved	B	6.3.0	Vocabulary for 3GPP Specifications	S1
SP-030240	21.905	050	-	6.2.0	Rel-6	Correction of acronyms in TR21.905	approved	A	6.3.0	Vocabulary for 3GPP Specifications	S1
SP-030327	22.011	051	-	6.0.0	Rel-6	Network Selection requirements for WLAN Interworking	approved	B	6.1.0	Service accessibility	S1
SP-030249	22.011	051	-	6.0.0	Rel-6	Network Selection requirements for WLAN Interworking	withdrawn	B		Service accessibility	S1
SP-030248	22.011	052	-	6.0.0	Rel-6	Network selection in shared networks	approved	B	6.1.0	Service accessibility	S1
SP-030238	22.038	009	-	3.2.0	R99	Clean up of (U)SAT requirements	approved	F	3.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030238	22.038	010	-	4.1.0	Rel-4	Clean up of (U)SAT requirements	approved	A	4.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030238	22.038	011	-	5.2.0	Rel-5	Clean up of USAT requirements	approved	A	5.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030250	22.038	013	-	5.2.0	Rel-6	MMS support on the card	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030333	22.038	014	-	5.2.0	Rel-6	MMS support on the card	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030355	22.038	015	-	5.2.0	Rel-6	MMS support on the card	approved	B	6.0.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-030241	22.042	004	-	4.1.0	Rel-4	Alignment of TS 22.042 (NITZ) with implementation in TS 24.008	approved	F	4.2.0	Network Identity and Time Zone (NITZ) service description; Stage 1	S1
SP-030241	22.042	005	-	5.0.0	Rel-5	Alignment of TS 22.042 (NITZ) with implementation in TS 24.008	approved	A	5.1.0	Network Identity and Time Zone (NITZ) service description; Stage 1	S1
SP-030242	22.066	005	-	5.0.0	Rel-5	Charging Requirements in an MNP environment	revised	F		Support of Mobile Number Portability (MNP); Stage 1	S1
SP-030263	22.066	005	1	5.0.0	Rel-5	Charging Requirements in an MNP environment	approved	F	5.1.0	Support of Mobile Number Portability (MNP); Stage 1	S1
SP-030242	22.066	006	-	6.0.0	Rel-6	Charging Requirements in an MNP environment	revised	A		Support of Mobile Number Portability (MNP); Stage 1	S1
SP-030263	22.066	006	1	6.0.0	Rel-6	Charging Requirements in an MNP environment	approved	A	6.1.0	Support of Mobile Number Portability (MNP); Stage 1	S1
SP-030251	22.067	005	-	6.0.0	Rel-6	Changes to align with 23.067 for Priority Service	approved	F	6.1.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1
SP-030252	22.071	050	-	6.3.0	Rel-6	Introduction of codeword generation by network or UE	approved	B	6.4.0	Location Services (LCS); Stage 1	S1
SP-030252	22.071	051	-	6.3.0	Rel-6	LCS in IMS	approved	B	6.4.0	Location Services (LCS); Stage 1	S1
SP-030252	22.071	052	-	6.3.0	Rel-6	Clarification of requirement regarding 'Query, Cancel of activated location requests for the Target UE'	approved	F	6.4.0	Location Services (LCS); Stage 1	S1
SP-030322	22.071	053	-	6.3.0	Rel-6	Routing of Emergency Calls based on Geographic Coordinates	approved	B	6.4.0	Location Services (LCS); Stage 1	S1
SP-030239	22.101	121	-	3.13.0	R99	Correction to R99 emergency calls when attached to data only networks	approved	F	3.14.0	Service aspects; Service principles	S1
SP-030239	22.101	122	-	4.6.0	Rel-4	Correction to Rel-4 emergency calls when attached to data only networks	approved	A	4.7.0	Service aspects; Service principles	S1
SP-030239	22.101	123	-	5.9.0	Rel-5	Correction to Rel-5 emergency calls when attached to data only networks	approved	A	5.10.0	Service aspects; Service principles	S1

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SP-030244	22.101	124	-	5.9.0	Rel-5	Alignment of Subscriber Identification requirements to current implementation	revised	F		Service aspects; Service principles	S1
SP-030351	22.101	124	1	5.9.0	Rel-5	Alignment of Subscriber Identification requirements to current implementation	approved	F	5.10.0	Service aspects; Service principles	S1
SP-030253	22.101	120	-	6.3.0	Rel-6	Clarification of UE Requirements for Emergency Calls	rejected	F		Service aspects; Service principles	S1
SP-030244	22.101	125	-	6.3.0	Rel-6	Alignment of Subscriber Identification requirements to current implementation	revised	A		Service aspects; Service principles	S1
SP-030351	22.101	125	1	6.3.0	Rel-6	Alignment of Subscriber Identification requirements to current implementation	approved	A	6.4.0	Service aspects; Service principles	S1
SP-030258	22.101	126	-	6.3.0	Rel-6	Storage of generic user information on the USIM	withdrawn	B		Service aspects; Service principles	S1
SP-030254	22.105	042	-	6.1.0	Rel-6	Service Based Local Policy Requirements	approved	B	6.2.0	Services and service capabilities	S1
SP-030245	22.115	011	-	5.2.0	Rel-5	SMS on CS and PS domain, charging aspect	approved	F	5.3.0	Service Aspects Charging and billing	S1
SP-030243	22.115	012	-	5.2.0	Rel-5	Charging Requirements in an MNP environment	revised	F		Service Aspects Charging and billing	S1
SP-030263	22.115	012	1	5.2.0	Rel-5	Charging Requirements in an MNP environment	approved	F	5.3.0	Service Aspects Charging and billing	S1
SP-030243	22.115	013	-	6.0.0	Rel-6	Charging Requirements in an MNP environment	revised	A		Service Aspects Charging and billing	S1
SP-030263	22.115	013	1	6.0.0	Rel-6	Charging Requirements in an MNP environment	approved	A	6.1.0	Service Aspects Charging and billing	S1
SP-030255	22.127	065	-	6.2.0	Rel-6	Removal of Generic Network Interface Function from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-030255	22.127	066	-	6.2.0	Rel-6	Removal of Information Transfer feature from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-030255	22.127	067	-	6.2.0	Rel-6	Removal of Information Services functions from OSA Release 6	approved	C	6.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-030246	22.140	030	-	5.4.0	Rel-5	Determination of MMS support in the terminal	rejected	F		Multimedia Messaging Service (MMS); Stage 1	S1
SP-030256	22.140	026	-	6.1.0	Rel-6	Add DRM Requirement to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-030256	22.140	027	-	6.1.0	Rel-6	Add a Standardized Charging Record Interface Requirement to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-030256	22.140	028	-	6.1.0	Rel-6	Add a Standardized User Profile to 22.140	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-030256	22.140	029	-	6.1.0	Rel-6	Addition of blacklisting capability in the the multimedia messaging profiles	approved	B	6.2.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-030246	22.140	031	-	6.1.0	Rel-6	Determination of MMS support in the terminal	rejected	A		Multimedia Messaging Service (MMS); Stage 1	S1
SP-030258	22.140	032	1	6.1.0	Rel-6	MMS support on the card	withdrawn	B		Multimedia Messaging Service (MMS); Stage 1	S1
SP-030257	22.140	033	-	6.1.0	Rel-6	Conditional delivery behaviour	withdrawn	B		Multimedia Messaging Service (MMS); Stage 1	S1
SP-030257	22.140	034	-	6.1.0	Rel-6	Error Messages in MMS	approved	F	6.2.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-030259	22.228	019	-	6.2.0	Rel-6	Multiple UEs in IMS service subscription	approved	B	6.3.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	S1
SP-030259	22.228	020	-	6.2.0	Rel-6	Addition of requirements to IMS to enable conference-like services	approved	B	6.3.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	S1
SP-030260	22.243	004	-	6.2.0	Rel-6	UE and network capabilities	approved	F	6.3.0	Speech recognition framework for automated voice services; Stage 1	S1

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SP-030260	22.243	005	-	6.2.0	Rel-6	Addition of Streaming and interactive QoS	approved	C	6.3.0	Speech recognition framework for automated voice services; Stage 1	S1
SP-030261	22.243	006	-	6.2.0	Rel-6	Reconstructed speech as an output mechanism	rejected	F		Speech recognition framework for automated voice services; Stage 1	S1
SP-030299	23.002	130	-	4.7.0	Rel-4	Removal of Mh interface from the reference model	approved	F	4.8.0	Network architecture	S2
SP-030299	23.002	131	1	5.10.0	Rel-5	Architecture corrections	approved	F	5.11.0	Network architecture	S2
SP-030299	23.002	124	-	6.0.1	Rel-6	Gd reference point	approved	F	6.1.0	Network architecture	S2
SP-030299	23.002	127	2	6.0.1	Rel-6	SLF on Sh interface	approved	B	6.1.0	Network architecture	S2
SP-030299	23.002	128	1	6.0.1	Rel-6	Ge reference point	approved	F	6.1.0	Network architecture	S2
SP-030299	23.002	129	2	6.0.1	Rel-6	Management interface	approved	F	6.1.0	Network architecture	S2
SP-030299	23.002	132	1	6.0.1	Rel-6	Architecture corrections	approved	A	6.1.0	Network architecture	S2
SP-030343	23.060	436	2	3.14.0	R99	Update to Iu release procedure	approved	F	3.15.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	436	2	3.14.0	R99	Update to Iu release procedure	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	437	2	4.7.0	Rel-4	Update to Iu release procedure	approved	A	4.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	437	2	4.7.0	Rel-4	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	447	-	4.7.0	Rel-4	CAMEL triggers at SRNS relocation cancel	approved	F	4.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	447	-	4.7.0	Rel-4	CAMEL triggers at SRNS relocation cancel	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	431	2	5.5.0	Rel-5	GGSN update at SRNS relocation	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	431	2	5.5.0	Rel-5	GGSN update at SRNS relocation	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	432	2	5.5.0	Rel-5	Max SDU Size and MTU clarification	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	432	2	5.5.0	Rel-5	Max SDU Size and MTU clarification	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	435	2	5.5.0	Rel-5	Preservation procedure for realtime bearers in A/Gb	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	435	2	5.5.0	Rel-5	Preservation procedure for realtime bearers in A/Gb	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	438	2	5.5.0	Rel-5	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	438	2	5.5.0	Rel-5	Update to Iu release procedure	approved	A	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	443	1	5.5.0	Rel-5	Changes for Early UE handling	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	443	1	5.5.0	Rel-5	Changes for Early UE handling	approved	F	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	448	-	5.5.0	Rel-5	CAMEL triggers at SRNS relocation cancel	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	448	-	5.5.0	Rel-5	CAMEL triggers at SRNS relocation cancel	approved	A	5.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-030343	23.060	433	2	6.0.0	Rel-6	RAU in PMM-connected	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	433	2	6.0.0	Rel-6	RAU in PMM-connected	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	439	2	6.0.0	Rel-6	Update to Iu release procedure	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	439	2	6.0.0	Rel-6	Update to Iu release procedure	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	440	1	6.0.0	Rel-6	User inactivity usage with Iu/RAB release	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	440	1	6.0.0	Rel-6	User inactivity usage with Iu/RAB release	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	442	4	6.0.0	Rel-6	CR on 23.060: Controlling compression performed at the SGSN.	rejected	B		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	445	-	6.0.0	Rel-6	Max SDU Size and MTU clarification	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	445	-	6.0.0	Rel-6	Max SDU Size and MTU clarification	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	446	-	6.0.0	Rel-6	GGSN update at SRNS relocation	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	446	-	6.0.0	Rel-6	GGSN update at SRNS relocation	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	449	-	6.0.0	Rel-6	CAMEL triggers at SRNS relocation cancel	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	449	-	6.0.0	Rel-6	CAMEL triggers at SRNS relocation cancel	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	451	-	6.0.0	Rel-6	Changes for Early UE handling	approved	A	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	451	-	6.0.0	Rel-6	Changes for Early UE handling	withdrawn	A		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030343	23.060	452	-	6.0.0	Rel-6	Mapping of PFCs onto LLC SAPIs	approved	F	6.1.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030297	23.060	452	-	6.0.0	Rel-6	Mapping of PFCs onto LLC SAPIs	withdrawn	F		General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030263	23.066	023	1	5.0.0	Rel-5	IN-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-paid subscribers	withdrawn	F		Support of GSM Mobile Number Portability (MNP) stage 2	N4
SP-030300	23.107	133	3	5.8.0	Rel-5	Generic UMTS QoS model	approved	F	5.9.0	Quality of Service (QoS) concept and architecture	S2
SP-030300	23.107	135	2	5.8.0	Rel-5	Max SDU Size and MTU clarification	approved	F	5.9.0	Quality of Service (QoS) concept and architecture	S2
SP-030300	23.107	136	2	5.8.0	Rel-5	Transfer Delay definition	approved	F	5.9.0	Quality of Service (QoS) concept and architecture	S2
SP-030300	23.107	137	-	5.8.0	Rel-5	QoS Signalling indicator handling	approved	F	5.9.0	Quality of Service (QoS) concept and architecture	S2
SP-030301	23.141	050	2	6.2.0	Rel-6	CR for Supplying Presence info from 3GPP-WLAN	approved	B	6.3.0	Presence service; Architecture and functional description; Stage 2	S2
SP-030301	23.141	051	1	6.2.0	Rel-6	Editorial cleanup of 23.141	approved	F	6.3.0	Presence service; Architecture and functional description; Stage 2	S2

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SP-030298	23.171	029	2	3.9.0	R99	Exception procedures in 23.171	withdrawn	F		Location Services (LCS); Functional description; Stage 2 (UMTS)	S2
SP-030344	23.171	029	2	3.9.0	R99	Exception procedures in 23.171	approved	F	3.10.0	Location Services (LCS); Functional description; Stage 2 (UMTS)	S2
SP-030302	23.207	057	1	5.7.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.8.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-030303	23.228	292	2	5.8.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	298	1	5.8.0	Rel-5	IMS corrections	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	300	1	5.8.0	Rel-5	Guidelines for the UE to apply IPv6 privacy mechanism in conjunction with IMS	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	313	1	5.8.0	Rel-5	Barring and roaming restrictions	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	317	1	5.8.0	Rel-5	Implicit Registration with multiple Service Profiles	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	319	-	5.8.0	Rel-5	S-CSCF requirements at registration	approved	F	5.9.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	272	5	6.1.0	Rel-6	GUP for IMS Subscription Management	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	284	2	6.1.0	Rel-6	Introducing session timer to IMS	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	286	3	6.1.0	Rel-6	IMS Group Management	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	287	2	6.1.0	Rel-6	Format of Public Service Identities	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	288	-	6.1.0	Rel-6	Corrections and Clean-Up after Re-organisation of TS 23.228	approved	F	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	291	4	6.1.0	Rel-6	Enhancements for Messaging	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	293	2	6.1.0	Rel-6	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	295	1	6.1.0	Rel-6	Capability to route non-SIP URIs	approved	F	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	296	3	6.1.0	Rel-6	SLF on Sh interface	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	297	3	6.1.0	Rel-6	AS use of the MRFC	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	299	1	6.1.0	Rel-6	IMS corrections	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	301	1	6.1.0	Rel-6	Guidelines for the UE to apply IPv6 privacy mechanism in conjunction with IMS	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	302	1	6.1.0	Rel-6	Clarifications on multiple registrations	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	305	2	6.1.0	Rel-6	Data Format at Sh Reference Point	approved	B	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	306	1	6.1.0	Rel-6	Public Service Identities Definition	approved	C	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	311	1	6.1.0	Rel-6	S-CSCF requirements at registration	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	314	1	6.1.0	Rel-6	Barring and roaming restrictions	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030303	23.228	318	2	6.1.0	Rel-6	Implicit registration with multiple Service profiles	approved	A	6.2.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030344	23.271	167	2	4.8.0	Rel-4	Exception procedures in 23.271	approved	F	4.9.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	167	2	4.8.0	Rel-4	Exception procedures in 23.271	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	175	-	4.8.0	Rel-4	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	175	-	4.8.0	Rel-4	CR on 23.271: Correction to NI-LR for Emergency Services	approved	F	4.9.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	181	2	5.5.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	168	2	5.6.0	Rel-5	Exception procedures in 23.271	approved	A	5.7.0	Location Services (LCS); Functional description; Stage 2	S2

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SP-030298	23.271	168	2	5.6.0	Rel-5	Exception procedures in 23.271	withdrawn	A		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	176	-	5.6.0	Rel-5	CR on 23.271: Correction to NI-LR for Emergency Services	approved	A	5.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	176	-	5.6.0	Rel-5	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	A		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	181	3	5.6.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	5.7.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	155	10	6.3.0	Rel-6	Addition of mobile based change of area event to deferred location request	withdrawn	B		Location Services (LCS); Functional description; Stage 2	S2
SP-030345	23.271	155	11	6.3.0	Rel-6	Addition of mobile based change of area event to deferred location request	approved	B	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	163	-	6.3.0	Rel-6	CR on 23.271. Correction to GMLC Definition	approved	D	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	163	-	6.3.0	Rel-6	CR on 23.271. Correction to GMLC Definition	withdrawn	D		Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	164	1	6.3.0	Rel-6	CR on 23.271: Clarification of UE Available event Defintion	withdrawn	D		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	164	1	6.3.0	Rel-6	CR on 23.271: Clarification of UE Available event Defintion	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	166	2	6.3.0	Rel-6	Including pseudonym in the LCS authorisation request	approved	C	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	166	2	6.3.0	Rel-6	Including pseudonym in the LCS authorisation request	withdrawn	C		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	169	2	6.3.0	Rel-6	Exception procedures in 23.271	approved	A	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	169	2	6.3.0	Rel-6	Exception procedures in 23.271	withdrawn	A		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	170	1	6.3.0	Rel-6	Pseudonym attachment options	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	170	1	6.3.0	Rel-6	Pseudonym attachment options	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	171	2	6.3.0	Rel-6	Clarification on privacy check procedures with PPR	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	171	2	6.3.0	Rel-6	Clarification on privacy check procedures with PPR	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	172	-	6.3.0	Rel-6	Clarification on pseudonym mediation device functionality	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	172	-	6.3.0	Rel-6	Clarification on pseudonym mediation device functionality	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	177	-	6.3.0	Rel-6	CR on 23.271: Correction to NI-LR for Emergency Services	withdrawn	A		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	177	-	6.3.0	Rel-6	CR on 23.271: Correction to NI-LR for Emergency Services	approved	A	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	178	2	6.3.0	Rel-6	Clarification of Annex E	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	178	2	6.3.0	Rel-6	Clarification of Annex E	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2

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SP-030344	23.271	179	-	6.3.0	Rel-6	Request to response correction	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	179	-	6.3.0	Rel-6	Request to response correction	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	182	3	6.3.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	182	3	6.3.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	183	3	6.3.0	Rel-6	Clarification on privacy procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	183	3	6.3.0	Rel-6	Clarification on privacy procedure	approved	F	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	184	3	6.3.0	Rel-6	Procedure of Area Event handling when the current visited network does not cover the predefined area	withdrawn	B		Location Services (LCS); Functional description; Stage 2	S2
SP-030298	23.271	185	2	6.3.0	Rel-6	Alignment of TS 23.271 with GERAN acceptance of U-TDOA location determination method	withdrawn	C		Location Services (LCS); Functional description; Stage 2	S2
SP-030344	23.271	185	2	6.3.0	Rel-6	Alignment of TS 23.271 with GERAN acceptance of U-TDOA location determination method	approved	B	6.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-030304	23.895	005	1	6.1.0	Rel-6	New RANAP message for transfer of UESBI-Iu	approved	C	6.2.0	Provision of UE specific behaviour information to network entities	S2
SP-030214	26.104	025	-	4.4.0	Rel-4	Correction on codec mode handling during DTX	approved	F	4.5.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030214	26.104	026	-	5.1.0	Rel-5	Correction on codec mode handling during DTX	approved	A	5.2.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030215	26.111	007	1	3.4.0	R99	Removal of Reference to TS 26.112	rejected	F		Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
SP-030215	26.111	008	1	4.0.0	Rel-4	Removal of Reference to TS 26.112	rejected	A		Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
SP-030215	26.111	009	1	5.0.0	Rel-5	Removal of Reference to TS 26.112	approved	F	5.1.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
SP-030216	26.173	017	1	5.6.0	Rel-5	MMS compatible input/output option for fixed-point AMR-WB source code	approved	F	5.7.0	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	S4
SP-030217	26.234	059	-	4.5.0	Rel-4	SMIL supported event types	rejected	F		Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-030217	26.234	058	1	5.4.0	Rel-5	SMIL supported event types	approved	F	5.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-030217	26.234	060	-	5.4.0	Rel-5	Correction to the Content Model of the SMIL Language Profile	approved	F	5.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-030218	26.235	005	1	5.1.0	Rel-6	Handling of DTMF in IMS	approved	C	6.0.0	Packet switched conversational multimedia applications; Default codecs	S4
SP-030219	26.236	005	-	5.2.0	Rel-5	Examples of QoS profiles for conversational multimedia applications	approved	F	5.3.0	Packet switched conversational multimedia applications; Transport protocols	S4
SP-030266	32.101	022	-	5.3.0	Rel-5	Correction and update of Management System Interactions	approved	F	5.4.0	Telecommunication management; Principles and high level requirements	S5
SP-030291	32.104	011	-	3.5.0	R99	Remove ambiguity in NE file generation behaviour in case of multiple granularity periods	approved	F	3.6.0	3G Performance Management	S5

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SP-030275	32.111-2	026	-	5.3.0	Rel-5	Correction of imported references table for managedGenericIRP	revised	F		Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	S5
SP-030316	32.111-2	026	1	5.3.0	Rel-5	Correction of imported references table for managedGenericIRP	approved	F	5.4.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	S5
SP-030276	32.111-3	030	-	5.3.0	Rel-5	Correction of CORBA type definition in struct "AlarmInformationIdAndSev"	approved	F	5.4.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5
SP-030277	32.111-4	019	-	5.4.0	Rel-5	Correction of Compilation Errors	approved	F	5.5.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030277	32.111-4	020	-	5.4.0	Rel-5	Addition of missing reasons for the emission of notifyAlarmListRebuilt	approved	F	5.5.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030268	32.200	022	-	5.3.0	Rel-5	Alignment with 32.235 on MMS charging scenarios with VASP MMS CDR types	approved	F	5.4.0	Telecommunication management; Charging management; Charging principles	S5
SP-030268	32.200	023	-	5.3.0	Rel-5	Correction of IMS charging architecture	approved	F	5.4.0	Telecommunication management; Charging management; Charging principles	S5
SP-030269	32.205	016	-	5.3.0	Rel-5	Correction of record contents regarding Partial Record Type	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-030269	32.205	017	-	5.3.0	Rel-5	Correction on MMS records ASN.1 definition	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-030269	32.205	018	-	5.3.0	Rel-5	Correction on IMS record definitions	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-030270	32.215	026	-	5.3.0	Rel-5	Correction of "Cause Code"	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-030271	32.225	015	-	5.2.0	Rel-5	Corrections to align "Event Charging with Unit Reservation" (ECUR) with IETF Credit Control Application	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5

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SP-030271	32.225	016	-	5.2.0	Rel-5	Correction of usage of Application-Provided-Called-Party-Address AVP	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030271	32.225	017	-	5.2.0	Rel-5	Correction of "Cause" and "Service-ID"AVP	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030271	32.225	018	-	5.2.0	Rel-5	Correction to some AVP definitions	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030271	32.225	019	-	5.2.0	Rel-5	Correction on ICID definition	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030315	32.225	019	1	5.2.0	Rel-5	Correction on ICID definition	revised	F		Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030340	32.225	019	1	5.2.0	Rel-5	Correction on ICID definition	withdrawn	F		Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-030267	32.235	015	-	4.5.0	Rel-4	Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060	approved	F	4.6.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030272	32.235	014	-	5.2.0	Rel-5	Correction of inconsistencies in the "Charge information" field description	approved	F	5.3.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030267	32.235	016	-	5.2.0	Rel-5	Correction on charging for roaming MMS subscribers - alignment with 22.140, 29.061 and 29.060	approved	A	5.3.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030278	32.302	003	-	4.1.1	Rel-4	Correction of the description of the objectClass and objectInstance parameter of the notification header	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	S5
SP-030278	32.302	004	-	5.0.2	Rel-5	Correction of the description of the objectClass and objectInstance parameter of the notification header	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	S5
SP-030291	32.401	005	-	4.2.0	Rel-4	Clarification of NE file generation behaviour in case of multiple granularity periods	approved	A	4.3.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-030291	32.401	007	-	4.2.0	Rel-4	Correction of Measurement Result File Name Definition for alignment with Windows based systems	approved	F	4.3.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5

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SP-030291	32.401	006	-	5.1.0	Rel-5	Clarification of NE file generation behaviour in case of multiple granularity periods.	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-030291	32.401	008	-	5.1.0	Rel-5	Correction of Measurement Result File Name Definition for alignment with Windows based systems	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-030292	32.403	013	-	4.3.0	Rel-4	Correction of the definition of the successful GPRS attach counters	approved	F	4.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030292	32.403	014	-	5.2.0	Rel-5	Correction of the definition of the successful GPRS attach counters	approved	A	5.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030292	32.403	015	-	5.2.0	Rel-5	Deletion of dual clause 4.1.2	approved	F	5.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030293	32.403	016	-	5.2.0	Rel-6	Addition of GPRS per cause measurement definitions	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030293	32.403	017	-	5.2.0	Rel-6	Introduction of MMS Service Based Performance Measurement	approved	B	6.0.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030279	32.603	010	-	5.1.0	Rel-5	Alignment with Basic CM IRP information service (32.602) - add one exception for the operation createMO	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5
SP-030283	32.615	004	-	4.2.0	Rel-4	Deletion of attribute relationType in XML Schema.	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5
SP-030284	32.615	005	-	4.2.0	Rel-4	Correction of Bulk CM session log file XML element "log" declaration	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5
SP-030284	32.615	006	-	5.0.1	Rel-5	Correction of Bulk CM session log file XML element "log" declaration	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5

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SP-030287	32.615	007	-	5.0.1	Rel-5	Correction of Bulk CM configuration data file XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5
SP-030288	32.615	008	-	5.0.1	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5
SP-030280	32.622	007	-	4.3.0	Rel-4	Correction of Notifications for IOCs and MOCs	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030280	32.622	009	-	4.3.0	Rel-4	Correction of the log notification for Bulk CM - Alignment with 32.612	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030280	32.622	008	-	5.0.0	Rel-5	Correction of Notifications for IOCs	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030287	32.625	001	-	5.0.0	Rel-5	Correction of Generic NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030288	32.625	002	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030281	32.632	007	-	5.2.0	Rel-5	CN Network Resource Model changed to the New Methodology - alignment with 32.102	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030287	32.635	001	-	5.0.0	Rel-5	Correction of Core NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5

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SP-030288	32.635	002	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030282	32.642	007	-	4.2.0	Rel-4	Add missing notifications from all managed objects (notifyComments, notifyAlarmListRebuilt)	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030282	32.642	009	-	4.2.0	Rel-4	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.642	011	-	4.2.0	Rel-4	Deletion of UTRAN attribute relationType	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030282	32.642	008	-	5.1.1	Rel-5	Include notification tables	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030282	32.642	010	-	5.1.1	Rel-5	Correction of UML diagram vsDataContainer Containment/Naming and Association in UTRAN NRM	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.642	012	-	5.1.1	Rel-5	Deletion of UTRAN attribute relationType	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.643	003	-	4.1.0	Rel-4	Deletion of UTRAN attribute relationType from CORBA SS	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5
SP-030283	32.643	004	-	5.0.0	Rel-5	Deletion of UTRAN attribute relationType from CORBA SS.	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5

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SP-030283	32.644	002	-	4.1.1	Rel-4	Removal of relationType	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030283	32.644	003	-	5.0.0	Rel-5	Removal of relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030283	32.645	001	-	5.0.0	Rel-5	Deletion of UTRAN attribute relationType in XML Schema.	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030287	32.645	002	-	5.0.0	Rel-5	Correction of UTRAN NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030288	32.645	003	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030285	32.645	004	-	5.0.0	Rel-5	Remove UTRAN NRM XML schema duplicate MOC attribute XML declarations	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030282	32.652	009	-	4.4.0	Rel-4	Add missing notifications from all managed objects (notifyComments, notifyAlarmListRebuilt)	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030282	32.652	011	-	4.4.0	Rel-4	Correction of UML diagram vsDataContainer Containment/Naming and Association in GERAN NRM	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.652	013	-	4.4.0	Rel-4	Deletion of GERAN attribute relationType	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5

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SP-030282	32.652	010	-	5.0.1	Rel-5	Include notification tables	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030282	32.652	012	-	5.0.1	Rel-5	Correction of UML diagram vsDataContainer Containment/Naming and Association in GERAN NRM	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.652	014	-	5.0.1	Rel-5	Deletion of GERAN attribute relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-030283	32.653	004	-	4.1.0	Rel-4	Deletion of GERAN attribute relationType from CORBA SS	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5
SP-030283	32.653	005	-	5.0.1	Rel-5	Deletion of GERAN attribute relationType from CORBA SS	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5
SP-030283	32.654	004	-	4.1.0	Rel-4	Removal of relationType	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030283	32.654	005	-	5.0.0	Rel-5	Removal of relationType	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030286	32.654	006	-	5.0.0	Rel-5	Alignment of object class names to externalGsmCell - Alignment with 32.624	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030283	32.655	001	-	5.0.0	Rel-5	Deletion of GERAN attribute relationType in XML Schema.	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5

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SP-030287	32.655	002	-	5.0.0	Rel-5	Correction of GERAN NRM XML schema namespace URIs	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030288	32.655	003	-	5.0.0	Rel-5	Generic NRM XML schema dependencies removal	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5
SP-030289	32.664	002	-	6.0.0	Rel-6	Correction to notifyCMSynchronizationRecommendedInfo	approved	F	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5
SP-030224	33.102	179	-	5.1.0	Rel-5	Handling of START values stored on a ME for use with a SIM	approved	F	5.2.0	3G security; Security architecture	S3
SP-030221	33.108	015	1	5.3.0	Rel-5	Changes to meet international LI Requirements	approved	F	5.4.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-030221	33.108	016	1	6.1.0	Rel-6	Changes to meet international LI Requirements	approved	A	6.2.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-030222	33.203	040	-	5.5.0	Rel-5	Annex H: Alignment of Authentication algorithm handling with RFC3329	approved	F	5.6.0	3G security; Access security for IP-based services	S3
SP-030223	33.203	041	-	5.5.0	Rel-5	Clarification on USIM-based access to IMS	approved	F	5.6.0	3G security; Access security for IP-based services	S3
SP-030225	33.210	009	-	5.3.0	Rel-5	Use of IPsec ESP with encryption on the Za-interface	approved	F	5.4.0	3G security; Network Domain Security (NDS); IP network layer security	S3
SP-030225	33.210	010	-	6.1.0	Rel-6	Use of IPsec ESP with encryption on the Za-interface	approved	A	6.2.0	3G security; Network Domain Security (NDS); IP network layer security	S3
SP-030226	35.206	001	-	5.0.0	Rel-5	Addition of missing line to Rijndael S-box listing	approved	F	5.1.0	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	S3
SP-030229	41.102	010	1	4.8.0	Rel-4	Correction to list of specs	approved	F	4.9.0	GSM Release 4 specifications	SP
SP-030359	41.102	011	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	4.9.0	GSM Release 4 specifications	SP
SP-030357	41.102	011	-	4.8.0	Rel-4	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		GSM Release 4 specifications	SP
SP-030229	41.103	004	-	5.3.0	Rel-5	Correction to list of specs	approved	F	5.4.0	GSM Release 5 specifications	SP
SP-030359	41.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	approved	F	5.4.0	GSM Release 5 specifications	SP
SP-030357	41.103	005	-	5.3.0	Rel-5	Removal of list of specs and substitution of a pointer to replacement spec	withdrawn	F		GSM Release 5 specifications	SP

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TP-030118	11.10-4	A012	-	8.3.0	R99	Corrections to Send Short Message, Sequence 1.4	approved	F	8.4.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3
TP-030118	11.10-4	A013	-	8.3.0	R99	Redial in Set Up Call	approved	F	8.4.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3
TP-030118	11.10-4	A014	-	8.3.0	R99	Correction to Terminal Response: Set Up Call 1.7.1	approved	F	8.4.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3
TP-030118	11.10-4	A015	-	8.3.0	R99	Select Item: Support of "No response from user"	approved	F	8.4.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3
TP-030118	11.10-4	A016	-	8.3.0	R99	Correction of Emergency Call test cases	approved	F	8.4.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3
TP-030117	11.14	A217	-	8.13.0	R99	Correction of Item Icon Identifier list coding example	approved	F	8.14.0	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030114	23.040	064	-	3.9.0	R99	Missing SMSs over MSC even if the MS is capable of such sending	approved	F	3.10.0	Technical realization of Short Message Service (SMS)	T2
TP-030114	23.040	065	-	4.7.0	Rel-4	Missing SMSs over MSC even if the MS is capable of such sending	approved	A	4.8.0	Technical realization of Short Message Service (SMS)	T2
TP-030114	23.040	066	-	5.5.1	Rel-5	Missing SMSs over MSC even if the MS is capable of such sending	approved	A	5.6.0	Technical realization of Short Message Service (SMS)	T2
TP-030114	23.040	063	-	6.0.1	Rel-6	Reserved values in TP-Status	approved	F	6.1.0	Technical realization of Short Message Service (SMS)	T2
TP-030114	23.040	067	-	6.0.1	Rel-6	Missing SMSs over MSC even if the MS is capable of such sending	approved	A	6.1.0	Technical realization of Short Message Service (SMS)	T2
TP-030119	23.048	035	-	5.6.0	Rel-5	Correction of the 'System Parameters constructed value field'	approved	F	5.7.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030115	23.140	117	-	4.9.0	Rel-4	Updating references	approved	F	4.10.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	128	-	4.9.0	Rel-4	Correction of RFC 2821 reference	approved	F	4.10.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	118	-	5.6.0	Rel-5	Updating references	approved	A	5.7.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	129	-	5.6.0	Rel-5	Correction of RFC 2821 reference	approved	A	5.7.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	119	-	6.1.0	Rel-6	Updating references	approved	A	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	120	-	6.1.0	Rel-6	Support for DRM in MMS	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

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TP-030115	23.140	121	-	6.1.0	Rel-6	Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ (CR)	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	122	-	6.1.0	Rel-6	Addition of IEs that currently exist in MM1/MM4 but not in MM7	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	123	-	6.1.0	Rel-6	Over the air provisioning in MMS	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	124	-	6.1.0	Rel-6	Addition of information regarding encrypted or obfuscated address in MM7	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	125	-	6.1.0	Rel-6	Addition of Service Provider Identification to the MM7 reference point	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	126	-	6.1.0	Rel-6	Charged Party ID (CR)	approved	B	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030115	23.140	127	-	6.1.0	Rel-6	Correction of RFC 2821 reference	approved	A	6.2.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030113	27.007	110	-	6.2.0	Rel-6	Correction of references	approved	F	6.3.0	AT command set for 3G User Equipment (UE)	T2
TP-030120	31.101	028	-	6.1.0	Rel-6	Clarification on the support of extra guardtime	approved	F	6.2.0	UICC-terminal interface; Physical and logical characteristics	T3
TP-030121	31.102	145	-	3.12.0	R99	Corrections and clarifications	approved	F	3.13.0	Characteristics of the USIM Application	T3
TP-030121	31.102	149	-	3.12.0	R99	Clarification on the support of extra guardtime	approved	F	3.13.0	Characteristics of the USIM Application	T3
TP-030121	31.102	142	-	4.8.0	Rel-4	Correction of the MMS example	approved	F	4.9.0	Characteristics of the USIM Application	T3
TP-030121	31.102	146	-	4.8.0	Rel-4	Corrections and clarifications	approved	A	4.9.0	Characteristics of the USIM Application	T3
TP-030121	31.102	150	-	4.8.0	Rel-4	Clarification on the support of extra guardtime	approved	F	4.9.0	Characteristics of the USIM Application	T3
TP-030121	31.102	143	-	5.4.0	Rel-5	Correction of the MMS example	approved	A	5.5.0	Characteristics of the USIM Application	T3
TP-030121	31.102	147	-	5.4.0	Rel-5	Corrections and clarifications	approved	A	5.5.0	Characteristics of the USIM Application	T3
TP-030121	31.102	151	-	5.4.0	Rel-5	Clarification on the support of extra guardtime	approved	A	5.5.0	Characteristics of the USIM Application	T3
TP-030121	31.102	153	-	5.4.0	Rel-5	Clarification on SIM support by R5 terminal	approved	F	5.5.0	Characteristics of the USIM Application	T3
TP-030121	31.102	144	-	6.1.0	Rel-6	Correction of the MMS example	approved	A	6.2.0	Characteristics of the USIM Application	T3
TP-030121	31.102	148	-	6.1.0	Rel-6	Corrections and clarifications	approved	A	6.2.0	Characteristics of the USIM Application	T3
TP-030121	31.102	152	-	6.1.0	Rel-6	Clarification on SIM support by terminals	approved	A	6.2.0	Characteristics of the USIM Application	T3
TP-030122	31.103	007	-	5.3.0	Rel-5	Clarification that the home operator's network domain name is a SIP URI	approved	F	5.4.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	T3
TP-030122	31.103	009	-	5.3.0	Rel-5	Clarification on the support of extra guardtime	approved	F	5.4.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	T3
TP-030122	31.103	008	-	6.1.0	Rel-6	Clarification that the home operator's network domain name is a SIP URI	approved	A	6.2.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	T3
TP-030123	31.121	024	-	3.5.0	R99	Correction of acceptance criteria	approved	F	3.6.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	T3
TP-030123	31.121	025	-	4.4.0	Rel-4	Correction of acceptance criteria	approved	A	4.5.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	T3
TP-030098	34.108	207	-	3.11.0	R99	Reinstate parameters for Interactive or background /UL:64 kbps / PS RAB	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	209	-	3.11.0	R99	Correction to Figure 7.4.1.1 (Rel-99)	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1

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TP-030098	34.108	211	-	3.11.0	R99	Update of SIB 11 and 12 in clause 6.1.0b in TS34.108 (TDD)	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	213	-	3.11.0	R99	Update of Default parameters for 1 to 8 cell environments in TS34.108 (TDD)	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	215	-	3.11.0	R99	Correction of default messages according to 25331 CR1823	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	217	-	3.11.0	R99	Section 8.2: Definition of default values for authentication key K on test USIM	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	220	-	3.11.0	R99	Correction to RADIO BEARER RELEASE and RRC CONNECTION SETUP messages (Revision of T1-030568)	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	222	-	3.11.0	R99	Update of Reconfiguration messages [revision to T1-030691]	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030108	34.108	223	-	3.11.0	R99	Changing the default value of W (Rel-99)	withdrawn	F		Common test environments for User Equipment (UE) conformance testing	T1
TP-030140	34.108	225	-	3.11.0	R99	Correction to default SIB5 (FDD)	approved	F	3.12.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030108	34.108	225	-	3.11.0	R99	Correction to default SIB5 (FDD)	withdrawn	F		Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	208	-	4.6.0	Rel-4	Reinstate parameters for Interactive or background /UL:64 kbps / PS RAB	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	210	-	4.6.0	Rel-4	Correction to Figure 7.4.1.1 (Rel-4)	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	212	-	4.6.0	Rel-4	Update of SIB 11 and 12 in clause 6.1.0b in TS34.108 (TDD)	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	214	-	4.6.0	Rel-4	Update of Default parameters for 1 to 8 cell environments in TS34.108 (TDD)	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	216	-	4.6.0	Rel-4	Correction of default messages according to 25331 CR1823	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	218	-	4.6.0	Rel-4	Section 8.2: Definition of default values for authentication key K on test USIM	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	219	-	4.6.0	Rel-4	Update of Reconfiguration messages	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030098	34.108	221	-	4.6.0	Rel-4	Correction to RADIO BEARER RELEASE and RRC CONNECTION SETUP messages (Revision of T1-030569)	approved	A	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030108	34.108	224	-	4.6.0	Rel-4	Changing the default value of W (Rel-4)	withdrawn	F		Common test environments for User Equipment (UE) conformance testing	T1
TP-030108	34.108	226	-	4.6.0	Rel-4	Correction to default SIB5 (FDD)	withdrawn	F		Common test environments for User Equipment (UE) conformance testing	T1
TP-030140	34.108	226	-	4.6.0	Rel-4	Correction to default SIB5 (FDD)	approved	F	4.7.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-030099	34.121	243	-	3.12.0	R99	Modifications to the test cases for Transmit diversity modes in TS34.121	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	243	-	3.12.0	R99	Modifications to the test cases for Transmit diversity modes in TS34.121	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	244	-	3.12.0	R99	Correction for Cell Re-selection in CELL_FACH state test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-030098	34.121	244	-	3.12.0	R99	Correction for Cell Re-selection in CELL_FACH state test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	245	-	3.12.0	R99	Correction for Random Access test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	245	-	3.12.0	R99	Correction for Random Access test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	246	-	3.12.0	R99	Correction for downlink compressed mode test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	246	-	3.12.0	R99	Correction for downlink compressed mode test case	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	247	-	3.12.0	R99	CR to 34.121 R99; Correction to Activation Time in Hard Handover RRM Test Cases	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	247	-	3.12.0	R99	Correction to Activation Time in Hard Handover RRM Test Cases	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	249	-	3.12.0	R99	Corretion to Inner Loop Power Control in the Uplink	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	249	-	3.12.0	R99	CR to 34.121 R99; Corretion to Inner Loop Power Control in the Uplink	approved	F	3.13.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030098	34.121	250	-	3.12.0	Rel-5	Addition of clarification for modulation accuracy requirement	approved	F	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030099	34.121	250	-	4.0.0	Rel-5	Addition of clarification for modulation accuracy requirement	approved	F	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030100	34.122	167	-	4.7.0	Rel-4	Addition LCR cell re-selection in Cell_PCH, single cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030100	34.122	168	-	4.7.0	Rel-4	Addition LCR cell re-selection in PCH, multi-cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030100	34.122	169	-	4.7.0	Rel-4	Addition LCR cell re-selection in URA_PCH, single cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030100	34.122	170	-	4.7.0	Rel-4	Addition LCR cell re-selection in URA_PCH, multi-cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030100	34.122	171	-	4.7.0	Rel-4	Addition LCR cell re-selection in Cell_Fach, multi-cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030100	34.122	172	-	4.7.0	Rel-4	Addition LCR cell re-selection in Cell_Fach, single cell test	approved	F	4.8.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030102	34.123-1	472	-	5.3.0	Rel-5	Measurement Control and Report: Inter-frequency measurement for transitions (TDD)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	473	-	5.3.0	Rel-5	Corrections of Measurement Control and Report: Intra-frequency measurement for transitions (TDD)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	474	-	5.3.0	Rel-5	Update of Broadcast of system information test for TDD mode	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	475	-	5.3.0	Rel-5	Measurement Control and Report: Cell forbidden to affect reporting range (FDD only)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030102	34.123-1	476	-	5.3.0	Rel-5	Measurement Control and Report: Traffic volume measurement for transitions, TDD update	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	477	-	5.3.0	Rel-5	Correction to low prio RLC test case 7.2.3.32	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	478	-	5.3.0	Rel-5	Correction to package 1 RLC test case 7.2.3.33	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	479	-	5.3.0	Rel-5	Removal of RAB test cases associated with recently void RABs in 34.108	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	480	-	5.3.0	Rel-5	Corrections to Package 3 RRC test cases (clause 8.1)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	481	-	5.3.0	Rel-5	Corrections to Package 4 RRC test cases (clause 8.2)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	482	-	5.3.0	Rel-5	Introduction of a new test case 9.2.5 Authentication Rejected by the UE / fraudulent network	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	483	-	5.3.0	Rel-5	Correction to TC 9.3.2	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	484	-	5.3.0	Rel-5	Update to clause 8 conformance requirements according to 25.331 CR1829 and CR1835 approved in RAN#19.	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	485	-	5.3.0	Rel-5	Removal of package 4 and low priority redundant RRC Reconfiguration failure cases	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	486	-	5.3.0	Rel-5	Usage of downlink CCCH vs DCCH for CELL UPDATE CONFIRM and URA UPDATE CONFIRM RRC messages	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	487	-	5.3.0	Rel-5	Correction to package 4 RRC test case 8.2.1.4 according to 25.331 CR 1820	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	488	-	5.3.0	Rel-5	Correction of RRC test cases according to 25331 CR1823	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	489	-	5.3.0	Rel-5	Corrections to Package 3 RRC test cases (clause 8.3)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	490	-	5.3.0	Rel-5	Corrections to low priority RRC test cases (clause 8.2)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	491	-	5.3.0	Rel-5	Corrections to low priority RRC test cases (clause 8.3)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030101	34.123-1	492	-	5.3.0	Rel-5	Correction of RRC test cases according to 25331 CR1847	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	493	-	5.3.0	Rel-5	Correction of package 4 RRC test cases 8.4.1.42 and 8.4.1.43 according to 25.331 CR1838	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	494	-	5.3.0	Rel-5	Corrections to package 3 SMS test cases 16.1.9.1 and 16.1.9.2 (Multiple SMS mobile originated)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	495	-	5.3.0	Rel-5	Section 16.2.5: Corrections to low-priority SMS test cases 16.2.5.1, 16.2.5.2, 16.2.5.3	rejected	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	496	-	5.3.0	Rel-5	Corrections to Package 2 RRC test case 8.4.1.7 (revision of T1-030646)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	497	-	5.3.0	Rel-5	Corrections to Package 2 RRC test cases (clause 8.4) (revision to T1-030559)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	498	-	5.3.0	Rel-5	Corrections to Package 3 RRC test cases (clause 8.4) (revision to T1-030561)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	499	-	5.3.0	Rel-5	Corrections to Package 2 RRC test cases 8.3.1.5 and 8.3.1.6	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	500	-	5.3.0	Rel-5	Corrections to GMM P4 test case 12.9.6	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	501	-	5.3.0	Rel-5	Modifications and corrections for GMM test cases	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	502	-	5.3.0	Rel-5	Correction to Package 1 RRC test case 8.1.1.7 (Revision of T1-030570)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	503	-	5.3.0	Rel-5	Correction to package 2 idle mode test cases 6.2.1.7 and 6.2.1.8	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	504	-	5.3.0	Rel-5	Correction to low priority idle mode test cases 6.2.1.3 and 6.2.1.4	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	505	-	5.3.0	Rel-5	Corrections to Package 2 RRC test cases (clause 8.2) [revision to T1-030477]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	506	-	5.3.0	Rel-5	Corrections to Package 2 RRC test cases (clause 8.3) [revision to T1-030558]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	507	-	5.3.0	Rel-5	Correction to package 1 RRC test case 8.1.1.4	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030101	34.123-1	508	-	5.3.0	Rel-5	Corrections to TC 8.3.2.3 (T1-030434rev1, T1-030481rev1)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	509	-	5.3.0	Rel-5	Corrections to Package 1 RRC test cases (clause 8.3)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	510	-	5.3.0	Rel-5	Corrections to low priority RRC test cases (clause 8.1) [revision to T1-030478]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	511	-	5.3.0	Rel-5	Correction of IE "Measurement Command" from "Modify" to "Setup" for TVM [revision to T1-030566]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	512	-	5.3.0	Rel-5	Removal of low-priority RRC test case 8.4.1.20 and 8.4.1.21	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	513	-	5.3.0	Rel-5	Corrections to low priority test case 8.4.1.9 (Measurement)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	514	-	5.3.0	Rel-5	Corrections to low priority test case 8.1.6.3.	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	515	-	5.3.0	Rel-5	Corrections to low priority test case 8.1.9a	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	516	-	5.3.0	Rel-5	Correction to low priority test cases 9.4.3.2, 9.4.3.3 and 9.4.3.4 (Revision of T1-030572)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	517	-	5.3.0	Rel-5	URA identity for transition from CELL_FACH to URA_PCH	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	518	-	5.3.0	Rel-5	Corrections to package 4 GMM test cases 12.4.1.4c and 12.4.1.4.d	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	519	-	5.3.0	Rel-5	Modifications and corrections of GMM test case	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030109	34.123-1	520	-	5.3.0	Rel-5	Correction to low priority test cases 14.2.34.1, 14.2.45, 14.2.46, 14.2.54 and to sections 14.1.1 and 14.1.2 (Revision of T1-030573)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	521	-	5.3.0	Rel-5	New RRC test cases for Inter-RAT cell reselection (PS) from UTRAN	approved	B	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	522	-	5.3.0	Rel-5	New RRC test cases for Inter-RAT cell change order from UTRAN	approved	B	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	523	-	5.3.0	Rel-5	Modification of RRC reconfiguration test cases due to updates to default messages as of T1-030714r1	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030101	34.123-1	524	-	5.3.0	Rel-5	Corrections to Package 1 RRC test cases (clause 8.2) [revision to T1-030476, T1-030724]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030102	34.123-1	525	-	5.3.0	Rel-5	New test cases for radio link failure [revision to T1-030565, T1-030725]	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	526	-	5.3.0	Rel-5	Correction to Package 1 RRC test cases 8.2.5.1, 8.3.4.3 (Revision of T1-030571 and T1-030681 and T1-030689)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030101	34.123-1	527	-	5.3.0	Rel-5	Corrections to Package 1 RRC Test Cases 8.2.1.8 and 8.2.1.9 (Revision of T1-030700 and T1-030698)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	528	-	5.3.0	Rel-5	Corrections to Package 1 RRC test cases (clause 8.4) [T1-030557rev1, T1-030682rev1]	revised	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	528	1	5.3.0	Rel-5	Corrections to Package 1 RRC test cases (clause 8.4) [T1-030557rev1, T1-030682rev1]	revised	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	529	-	5.3.0	Rel-5	Correction to clause 8.4.1.2 (Package 2 test case) (revision to T1-030564, T1-030664, T1-030701)	withdrawn	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	529	-	5.3.0	Rel-5	Correction to clause 8.4.1.2 (Package 2 test case) (revision to T1-030564, T1-030664, T1-030701)	withdrawn	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	530	-	5.3.0	Rel-5	Modifications to Package 1 RRC measurement test cases	revised	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030108	34.123-1	530	1	5.3.0	Rel-5	Modifications to Package 1 RRC measurement test cases	revised	F		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030103	34.123-2	102	-	5.3.0	Rel-5	Inclusion of new test cases for Measurement Control and Report TDD in applicability table	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	103	-	5.3.0	Rel-5	Update of applicability table for Broadcast of system information test (TDD)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	104	-	5.3.0	Rel-5	Update of applicability table: Cell update: Restricted cell reselection to a cell belonging to forbidden LA list (Cell_FACH) TDD	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	105	-	5.3.0	Rel-5	Update of applicability table for Traffic Volume measurement tests (TDD)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	106	-	5.3.0	Rel-5	Update of applicability table for MM	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	107	-	5.3.0	Rel-5	Correction to test case names and to one conditional	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

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TP-030103	34.123-2	108	-	5.3.0	Rel-5	Removal of ICS for the RAB test cases associated with recently void RABs in 34.108	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	109	-	5.3.0	Rel-5	Correction of applicability for RB test case 14.2.43.1.	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	110	-	5.3.0	Rel-5	Update to TS 34.123-2 for RRC test cases (revision to T1-030567)	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	111	-	5.3.0	Rel-5	Corrections to applicability for RRC testcases.	approved	F	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030103	34.123-2	112	-	5.3.0	Rel-5	Applicability for new RRC Inter-RAT PS reselection and Cell Change Order test cases	approved	B	5.4.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030104	34.123-3	016	-	3.1.0	R99	Test Case 7.1.1.2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	017	-	3.1.0	R99	Test Case 7.1.1.8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	018	-	3.1.0	R99	Test Case 8.1.1.2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	019	-	3.1.0	R99	Test Case 8.1.1.3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	020	-	3.1.0	R99	Test Case 8.1.1.8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	021	-	3.1.0	R99	Test Case 8.2.1.8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	022	-	3.1.0	R99	Test Case 8.2.1.10	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	023	-	3.1.0	R99	Test Case 8.1.5.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	024	-	3.1.0	R99	Test Case 8.1.5.4	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	025	-	3.1.0	R99	Test Case 8.2.3.7	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	026	-	3.1.0	R99	Addition of RLC test case 7.2.3.6 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1

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TP-030104	34.123-3	027	-	3.1.0	R99	Addition of RLC test case 7.2.3.25 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	028	-	3.1.0	R99	Addition of RLC test case 7.2.3.14 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	029	-	3.1.0	R99	Addition of RLC test case 7.2.3.15 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	030	-	3.1.0	R99	Addition of RLC test case 7.2.3.16 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	031	-	3.1.0	R99	Addition of RLC test case 7.2.3.33 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	032	-	3.1.0	R99	Addition of NAS test case 10.1.2.5.1 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	033	-	3.1.0	R99	7.1.1.1	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	034	-	3.1.0	R99	7.1.1.3	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	035	-	3.1.0	R99	7.1.1.4	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	036	-	3.1.0	R99	Introduction of Test Case 7.1.1.5	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	037	-	3.1.0	R99	Test Case 8.2.3.15	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	038	-	3.1.0	R99	Test Case 8.2.3.18	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	039	-	3.1.0	R99	Test Case 8.2.3.19	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	040	-	3.1.0	R99	Test Case 12.3.1.2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	041	-	3.1.0	R99	Test Case 8.3.3.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	042	-	3.1.0	R99	Addition of RLC test case 7.2.3.13 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-030104	34.123-3	043	-	3.1.0	R99	Addition of RLC test case 7.2.3.18 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	044	-	3.1.0	R99	Addition of RLC test case 7.2.2.5 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	045	-	3.1.0	R99	Addition of RLC test case 7.2.2.6 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	046	-	3.1.0	R99	Addition of RLC test case 7.2.3.17 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	047	-	3.1.0	R99	Addition of RLC test case 7.2.3.20 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	048	-	3.1.0	R99	Addition of RLC test case 7.2.3.34 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	049	-	3.1.0	R99	Addition of SM test case 11.1.1.1 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	050	-	3.1.0	R99	Addition of RLC test case 7.2.3.23 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	051	-	3.1.0	R99	Addition of RLC test case 7.2.3.24 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	052	-	3.1.0	R99	Addition of RLC test case 7.2.3.26 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	053	-	3.1.0	R99	Addition of RLC test case 7.2.3.27 to RLC ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	054	-	3.1.0	R99	Addition of SM test case 11.3.1 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	055	-	3.1.0	R99	Addition of SM test case 11.3.2 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	056	-	3.1.0	R99	Addition of GMM test case 12.3.1.5 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	057	-	3.1.0	R99	Addition of GMM test case 12.7 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	058	-	3.1.0	R99	Test Case 8.2.1.9	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-030104	34.123-3	059	-	3.1.0	R99	Test Case 8.2.3.8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	060	-	3.1.0	R99	Test Case 12.3.1.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	061	-	3.1.0	R99	Test Case 12.9.1	withdrawn	F		User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	062	-	3.1.0	R99	Test Case 12.9.2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	063	-	3.1.0	R99	Addition of GMM test case 12.3.2.1 to NAS ATS V3.1.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	064	-	3.1.0	R99	CR for correction of generic test step in RLC ATS V3.1.0	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	065	-	3.1.0	R99	ASP Enhancement	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	066	-	3.1.0	R99	Test Case 8.1.2.2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030104	34.123-3	067	-	3.1.0	R99	Test Case 8.1.2.9	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030110	34.123-3	068	-	3.1.0	R99	Add new approved test cases in test case list in Annex A	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030141	34.123-3	069	-	3.1.0	R99	Test Case 8.1.3.3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030124	51.011	020	-	4.7.0	Rel-4	Correction of the MMS example	approved	F	4.8.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030124	51.011	021	-	4.7.0	Rel-4	Essential correction on SIM/UICC interface compatibility	approved	F	4.8.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030124	51.011	022	-	4.7.0	Rel-4	Correction of inconsistencies within the document	approved	F	4.8.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030124	51.011	023	-	4.7.0	Rel-4	Correction of pre-personalisation values	approved	F	4.8.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030125	51.013	001	-	4.0.1	Rel-5	Update of 51.013 Specification for Release 5	approved	B	5.0.0	Test specification for SIM API for Java card	T3

Work Program Key:

X	WI Level:	**1=Feature**	**2=Building Block**	3=Work Task	>3=Sub Work Task

WI ID   Work Item Unique ID number
WG   Responsible Working Group
Rel   Allocated Release
Split   Indicates whether Work Item is marked as Splittable
WI Name   Name of Work Item
Acronym   Acronym (for WI Identification (e.g. for CRs)
Appr Level   Level of Approval for the Work Item
Start   Start date of Work Item
End   Estimated Completion date of Work Item
% comp   Estimated percentage Complete
WG Appd   Indicates if the Work Item Description has been approved at WG level
TSG Appd   Indicates if the Work Item Description has been approved at TSG level
Impacted Specs   3GPP Specifications impacted by the Work Item
Notes   General Comments and Notes
Rapporteur   Name of Rapporteur for the Work Item

Annex G: Definition of Release 4, extracted from the Project Plan - ver. 23 April 2003

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	1861	T1	NA	Yes	**Miscelleneous UE Conformance Testing Activities**	MISTST1		Mon 02/04/01	Wed 01/12/04	50%	No	No			
2	1862	T1	Rel Indep	No	**Optimisation of Test Time, RF Aspects (FDD)**	MISTST1-OpFDD	TSG	Mon 24/09/01	Wed 03/09/03	70%	No	No	34.121	It is believed that the current R99 test spec. can be optimised for faster overall test times	
2	1863	T1	Rel Indep	No	**Optimisation of Test Time, RF Aspects (TDD)**	MISTST1-OpTDD	TSG	Mon 24/09/01	Wed 03/09/03	70%	No	No	34.122	It is believed that the current R99 test spec. can be optimised for faster overall test times	
2	1907	T1		No	**Extensions to R99 Test cases**	MISTST1-Ext	TSG	Mon 02/04/01	Tue 02/12/03	70%	No	No	34.123 pts 1,2	Further test coverage of the R99 specification to cover supplementry services	
2	2564	T1		No	**Extension to R99 Test cases - TTCN**		TSG	Fri 28/06/02	Wed 03/03/04	50%	No	No			
2	2565	T1		No	**Creation of R99 TCs for TDD - prose**	MISTST1-TDD	TSG	Mon 01/10/01	Thu 01/07/04	50%	No	No	34.123-1		
2	2566	T1		No	**Creation of R99 TCs for TDD - TTCN**		TSG	Tue 03/09/02	Wed 01/12/04	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1908	T1		No	**Review all other work items for impact on new or exiting 34 series specs.**	MISTST1		Tue 02/07/02	Fri 27/12/02	0%	No	No	34.121,122 ,123,125	Can't start until most core specs are stable	
1	1340	S1	Rel-4	No	**Facsimile**	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
2	1341	S2		No	**Real Time Fax**	FAX-RT		Tue 22/02/00	Fri 23/06/00	100%	No	No		postponed from R99 to R00, SP-000169	
3	1808	T2		No	Terminal capabilities, AT commands			Tue 22/02/00	Fri 23/06/00	100%	No	No	21.904, 27.007		
3	1343	N1		No	Signalling aspects (e.g. ICM)			Tue 22/02/00	Fri 23/06/00	100%	No	No			?
3	1648	N3		No	Service provision			Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes	23.146		
3	1345	S1		No	Review whether service/stage 1 aspects need to be aligned			Fri 14/04/00	Fri 23/06/00	100%	No	No			
3	1346	S2		No	Review whether architecture/stage 2 aspects need to be aligned			Fri 14/04/00	Fri 23/06/00	100%	No	No			
1	1539	S4	Rel-4	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		
1	1818	T2	Rel-4	No	**Multimedia Messaging**	MMS	TSG	Tue 22/02/00	Wed 14/03/01	99%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
2	136	S1		No	**Definition of service requirements**	MMS		Tue 22/02/00	Wed 31/05/00	100%	No	No			
2	1819	T2		No	**Review of definition of service requirements**		TSG	Thu 01/06/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
2	1820	T2		No	**Technical Realisation**		TSG	Mon 10/04/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
3	1821	T2		No	Review of definition of reference Achitecture model		TSG	Mon 10/04/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
3	1822	T2		No	"""Fulfill Requirements of Stage 1"""		TSG	Mon 10/04/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140	e.g. minimum set of media formats, media format conversion, personalization of MMS.	Josef Laumen, Siemens
3	1823	T2		No	Definition of MMS primitives in Stage 2		TSG	Mon 10/04/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
1	1541	N4	Rel-4	No	**Transcoder-Free Operation**	TrFO		Mon 03/01/00	Fri 30/03/01	99%	No	No		Lead given to CN4 from CN...	
2	112	N4		No	**OoBTC solution**	TRFO-OOBTC	WG	Mon 03/01/00	Fri 30/03/01	100%	Yes	No			Tosshiyuki Tamura, NEC
3	1512	R3		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
3	896	S2		No	Impact on architecture, Principles and Terminology			Mon 03/01/00	Fri 20/10/00	100%	No	No		e.g. study cascading TrFO/TFO/TrFO	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1657	N1		No	Codec Negotiation between UE and MSC		TSG	Mon 14/08/00	Fri 02/02/01	100%	No	Yes	24.008, 23.009, 23.108, (29.002)	the link to NP-000085has been deleted because refering to a R99 status sheet...	Andrew Howell / Motorola
3	115	N4		No	Codec Negotiation inter MSC			Mon 03/07/00	Fri 22/12/00	100%	No	No		Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex + list of open issues	
3	894	N4		No	Bearer establishment inter MSC		TSG	Mon 03/07/00	Fri 22/12/00	100%	Yes	Yes	23.153	Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex....	
2	905	S2		No	**Speech Transcoder: Location and Control at the UMTS Core Network Border**	TRFO-STLC	WG	Mon 10/04/00	Fri 29/09/00	100%	Yes	No		WI description and Tdoc S2-99352...	
3	124	NP		No	Transcoder at Edge			Mon 10/04/00	Fri 29/09/00	100%	No	No		WI description and Tdoc S2-99352...	
1	2310	GP	Rel-4	No	**GERAN improvements 1 (Gb over IP)**	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2	2311	GP		No	**Gb over IP (Ip-fication of Gb)**	GbIP	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
3	2312	GP		No	Concept		TSG	Tue 09/05/00	Fri 10/11/00	100%	No	No			
3	2313	GP		No	Changes to 08.16, 08.18		TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
1	2314	GP	Rel-4	No	**GERAN improvements 2 (NACC)**	GEIMP2	TSG	Mon 06/11/00	Fri 19/12/03	80%	No	No			
2	2315	GP		No	**Gb enhancements**	Gben	TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
3	2316	GP		No	Intra BSC NACC (Network Assisted Cell Change)		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2420	GP		No	Concept		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2317	GP		No	Changes in 03.64		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2318	GP		No	Changes in 04.60		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2319	GP		No	Changes in 44.008		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
2	0			No	**Start Testing**			Mon 04/06/01	Mon 04/06/01	0%	No	No			
2	50030	GP		No	**MS conformance test for Intra BSC NACC**	GEIMP2-Msconf		Fri 30/11/01	Fri 19/12/03	50%	No	No		Started	
3	50099	"G5;G4"		No	Changes in 51.010			Fri 30/11/01	Fri 19/12/03	50%	No	No			
1	2324	GP	Rel-4	No	**GERAN improvements 4 (Delayed TBF)**	GEIMP4	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
2	2325	GP		No	**Gb enhancements 2**	GEIMP4-Gben2	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	2429	GP		No	stage 2			Mon 15/01/01	Fri 08/06/01	100%	No	No			
3	2421	G2		No	Stage 3 (changes in 44.060)		TSG	Mon 15/01/01	Fri 06/04/01	100%	No	No			
4	2327	G2		No	Definition of enhanced countdown procedure		TSG	Mon 15/01/01	Fri 06/04/01	100%	No	No			
4	2328	G2		No	Definition of enhanced TBF release procedure		TSG	Mon 15/01/01	Fri 06/04/01	100%	No	No			
4	2329	G2		No	Definition of USF=FREE type polling mechanism on PDCH		TSG	Mon 15/01/01	Fri 06/04/01	100%	No	No			
1	1222	R1	Rel-4	No	**Low Chip Rate TDD option**	LCRTDD	TSG	Wed 19/07/00	Tue 02/12/03	76%	No	No			G. Yang, CWTS
2	1223	R1		No	**Physical layer**	LCRTDD-Phys	TSG	Wed 19/07/00	Fri 30/03/01	100%	No	No			G. Yang, CWTS
2	1224	R2		No	**Layer 2 and layer 3 protocol aspects**	LCRTDD-L23	TSG	Wed 19/07/00	Fri 30/03/01	100%	Yes	Yes			Y. Liu, CWTS
2	1225	R4		No	**RF radio transmission/reception, system performance requirements and conformance testing**	LCRTDD-RF	TSG	Mon 14/08/00	Fri 30/03/01	100%	Yes	Yes			D. Zhang, CWTS
2	1227	R2		No	**UE radio access capability**	LCRTDD-UErac	TSG	Mon 14/08/00	Fri 30/03/01	100%	Yes	Yes			Y. Liu, CWTS
2	1228	R3		No	**Iub/Iur protocol aspects**	LCRTDD-IubIur	TSG	Mon 14/08/00	Fri 30/03/01	100%	Yes	Yes			Y. Liu, CWTS
2	2262			No	**Low chiprate TDD interworking with GERAN**			Fri 01/09/00	Fri 19/01/01	100%	No	No			
3	2263			No	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD			Fri 01/09/00	Fri 19/01/01	100%	No	No			
2	1911	MLST		No	**Start Testing**			Mon 03/09/01	Mon 03/09/01	0%	No	No			
2	2103	T1		No	**Conformance Test Aspects - Low Chip Rate TDD**			Mon 17/09/01	Tue 02/12/03	52%	No	No	0%		
3	2217	T1		No	Testing Layer 2 and layer 3 protocol aspects		TSG	Mon 17/09/01	Wed 02/07/03	60%	No	No	34.123-1, 34.123-2	duration set to 6 months (was 0)	
3	2562	T1		No	Testing Layer 2 and layer 3 protocol aspects - TTCN		TSG	Tue 03/12/02	Tue 02/12/03	0%	No	No	34.123-3		
3	2218	T1		No	Testing RF Radio Transmission and Reception		TSG	Mon 17/09/01	Fri 28/06/02	100%	No	No		duration set to 6 months (was 0), finish date set	
1	1322	S2	Rel-4	No	**Enable bearer independent CS architecture**	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	80%	No	No			Alexander Milinski, Siemens
2	1323	N4		No	**Enable bearer-independent call control**		WG	Mon 03/01/00	Thu 16/08/01	99%	Yes	No		DAB 12.12.01 should be 100% hence closed	Heinz-Peter Keutman, Ericsson
3	1516	S2		No	Architecture and Stage 2 description			Mon 03/01/00	Fri 08/09/00	100%	No	No	23.002	R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 ...	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1325	N3		No	Standardisation of protocols (control & user planes) over Nb interface		TSG	Tue 02/01/01	Fri 30/03/01	100%	Yes	Yes			
3	1326	N4		No	Standardisation of protocols over reference points between MSC server and Gateway MSC server		TSG	Mon 25/09/00	Fri 23/03/01	100%	Yes	Yes			
3	1616	N4		No	Standardisation of detailed stage 2 description		TSG	Mon 17/07/00	Fri 23/03/01	100%	Yes	No			
3	1327	N4		No	Bearer control between MSC server and MGW		TSG	Fri 01/09/00	Thu 16/08/01	100%	Yes	Yes			
4	1328	N4		No	stage 3 - protocol issues		TSG	Fri 01/09/00	Thu 16/08/01	100%	Yes	Yes			
4	1329	N3		No	stage 3 - parameter value issues			Tue 02/01/01	Fri 30/03/01	100%	No	No			
2	1331	S3		No	**Lawful interception**			Mon 21/08/00	Fri 23/03/01	100%	No	No		Requirements capture: S3#14 (Aug 00), Feature specification: S3#15 (Sep 00), Definition of architecture. Should be included in general LI work mentioned above.	
2	1918	MLST		No	**Start Testing**			Mon 05/03/01	Mon 05/03/01	0%	No	No			
2	2052	T1		No	**Conformance Test Aspects - Enable bearer independent CS architecture**	CSSPLIT-TEST		Mon 05/03/01	Fri 01/03/02	0%	No	No	0%		
1	1445	T2	Rel-4	No	**MExE enhancements Rel-4**	MEXE	TSG	Mon 03/01/00	Fri 14/12/01	100%	Yes	Yes			
2	1447	S3		No	**MExE Security Analysis Activity**	MEXE-SEC	TSG	Tue 22/02/00	Fri 14/12/01	100%	Yes	Yes		Presentation to S3 of threats and countermeasures analysis: S3#15, Feature specification: S3#16. S3#18: WID updated	Colin Blanchard, BT
3	2045	S3		No	Stage 3	MEXE1-SEC		Mon 17/07/00	Fri 14/12/01	100%	No	No		Analysis undertaken by T2. No additional analysis needed for Rel-4	
3	1448	T2		No	Terminal aspects			Tue 22/02/00	Fri 15/12/00	100%	No	No			
2	1810	T2		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
3	1812	T2		No	3rd MExE classmark		TSG	Mon 03/01/00	Fri 15/12/00	100%	No	Yes	22.057, 23.057	Additional features for MExE R2000	Mark CATALDO, Motorola
3	1814	T2		No	FS on Secure download mechanism and capabilities to support SDR concepts		TSG	Mon 07/02/00	Fri 15/12/00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola
3	1815	T2		No	FS on Support of MP3/MPEG4 content		TSG	Mon 07/02/00	Fri 15/12/00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola
1	1631	S4	Rel-4	No	**Tandem Free aspects for 3G and between 2G and 3G systems**	TFO		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1632	S4		No	**Tandem Free AMR**	TFO-AMR		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify UMTS_AMR_2 support	
3	130	S4		No	Specification			Tue 22/02/00	Fri 23/03/01	100%	No	No	28.062		
3	907	NP		No	Impact on:			Mon 08/01/01	Fri 15/06/01	100%	No	No		""Implementation"" changed to ""Impact on:"" by A. Sultan (for better wording)"	
4	131	NP		No	CN			Mon 26/03/01	Fri 15/06/01	100%	No	No		RAN and CN to verify UMTS_AMR_2 support	
4	132	GP		No	GERAN			Mon 08/01/01	Fri 06/04/01	100%	No	No		End date Modified from June to March to have it in Rel4	
1	2230	N1	Rel-4	No	**Advanced Speech Call Items enhancements_REL-4**	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2	2232	N4		No	**Stage 2**		WG	Sun 03/12/00	Thu 14/03/02	100%	No	No	23.067, 24.067	CN4#11 30/11/02: no inputs received in CN4	Vivien Perlic, Sagem
2	2231	N1		No	**Stages 2 and 3 on A interface**		WG	Sun 03/12/00	Fri 23/03/01	100%	No	No	44.068, 44.069, 24.008		Sonia Garapaty
1	2403	GP	Rel-4	No	**700 MHz spectrum support**	700SS		Mon 03/01/00	Fri 20/12/02	99%	No	No			
2	2404	GP		No	**GERAN support for the 700 MHz band**			Mon 03/01/00	Fri 19/01/01	100%	No	No			
3	2405	GP		No	Signalling support			Mon 03/01/00	Fri 19/01/01	100%	No	No			
3	2406	GP		No	Physical layer definitions			Mon 03/01/00	Fri 19/01/01	100%	No	No			
3	2407	GP		No	Receiver performance and RF budget			Mon 03/01/00	Fri 19/01/01	100%	No	No			
2	2408	GP		No	**GERAN MS Conformance test for 700 MHz band**			Mon 02/04/01	Fri 30/11/01	100%	No	No			
3	2409	GP		No	MS test			Mon 02/04/01	Fri 30/11/01	100%	No	No			
2	2410	GP		No	**GERAN BTS Conformance test for 700 MHz band**			Mon 02/04/01	Fri 20/12/02	100%	No	No			
3	2411	GP		No	BTS test			Mon 02/04/01	Fri 20/12/02	100%	No	No			
1	2463	NP	Rel-4	No	**Operator Determined Barring for Packet Oriented Services**	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
1	2546	S2	Rel-4	No	**UMTS QoS Architecture for PS Domain**	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	61%	No	No			Ina Widegren, Ericsson
2	2548	S2		No	**Architecture**		TSG	Mon 05/06/00	Wed 03/01/01	100%	No	No	23.107		
2	2550	S5		No	**Charging and OAM&P for QoS Management**	QoSPS-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2	1681	R3		No	**RAB Quality of Service (re)Negotiation over Iu**	QoSPS-MAPEND-RABQoS	TSG	Mon 21/08/00	Fri 23/03/01	99%	Yes	Yes	25.413		A. Molander, Ericsson

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1991	R3		No	RAB Quality of Service Negotiation over Iu	QoSPS-MAPEND-RABQoS-Negot	TSG	Mon 21/08/00	Fri 23/03/01	100%	Yes	Yes			A. Molander, Ericsson
3	2456	R3		No	RAB Quality of Service Negotiation over Iu during relocation	QoSPS-MAPEND-RABQoS-NegotReloc	TSG	Fri 02/03/01	Fri 23/03/01	100%	No	No			
3	1992	R3		No	RAB Quality of Service Re-Negotiation over Iu	QoSPS-MAPEND-RABQoS-ReNegot	TSG	Mon 25/09/00	Fri 23/03/01	100%	Yes	Yes			S. Irwin, Motorola
2	1553	GP		No	**GERAN QoS Aspects - Handovers: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN and SRNS relocation or possibly other mechanisms**	GERQoS	TSG	Mon 03/01/00	Fri 30/11/01	99%	No	No			
3	2306	GP		No	Handover Concept for the PS domain		TSG	Mon 03/01/00	Fri 30/11/01	99%	No	No			
4	2309	GP		No	Stable RT handover report 25.936 including header removal		TSG	Mon 03/01/00	Wed 19/01/00	100%	No	No			
4	2307	GP		No	Update of stage 2		TSG	Mon 03/01/00	Tue 13/02/01	100%	No	No			
4	2308	G2		No	Update of relevant stage 3 specs -> RRC		TSG	Mon 03/01/00	Fri 30/11/01	100%	No	No			
2	50010	"G4;R3"		No	**GERAN MS Conformance test for inter-system and intra-system Packet data real-time Handover**	GERQoS-Mstest	TSG	Fri 31/08/01	Wed 27/11/02	0%	No	No		Still exist? To be clarified by GERAN4/5	
3	50011	"G4;R3"		No	Handover for the PS domain		TSG	Fri 31/08/01	Wed 27/11/02	0%	No	No			
4	50012	"G4;R3"		No	Stable RT handover report 25.936 including header removal		TSG	Fri 31/08/01	Wed 27/11/02	0%	No	No			
4	50013	"G4;R3"		No	Update of stage 2		TSG	Fri 31/08/01	Wed 27/11/02	0%	No	No			
4	50014	"G4;R3"		No	Update of relevant stage 3 specs		TSG	Fri 31/08/01	Wed 27/11/02	0%	No	No			
2	1685	R3		No	**PS-domain handover for real-time services**	QoSPS-PSdoRTS	TSG	Mon 28/08/00	Fri 30/03/01	100%	Yes	Yes			A. Lansisalmi, Nokia
2	2554	R3		No	**RAB QoS Renegotiation at Relocation**		TSG	Wed 03/01/01	Fri 23/03/01	0%	No	No	25.851, 25.946		
1	1993	Generic	Rel-4	No	**small Technical Enhancements and Improvements for Rel4**	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	100%	Yes	Yes		"""Joker"" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system"	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	400002	RP	NA	Yes	**Rel-4 Evolutions of the transport in the UTRAN**	ETRAN	TSG	Mon 21/08/00	Fri 23/08/02	69%	No	No			Francois Courau
2	12	R3	Rel-4	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
2	1995	R3	Rel-4	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
2	401834	T1		No	**Conformance Test Aspects of Rel-4 evolutions of the transport in UTRAN**			Mon 25/02/02	Fri 23/08/02	0%	No	No			
3	2208	T1		No	Testing RAB support enhancements	CT-RABS?		Mon 25/02/02	Fri 23/08/02	0%	No	No	34.108, 34.121, 34.122, 34.123 pts 1,2, 34.123 pt 3	Requires supporting companies	
1	400004	N4	NA	Yes	**Rel-4 Evolutions of the transport in the CN**	CNTRSP		Mon 29/05/00	Fri 23/03/01	100%	No	No		WI formulation assigned to N4	
2	859	N4	Rel-4	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	
3	1679	N4		No	Stage 3			Thu 07/12/00	Fri 23/03/01	100%	No	No			
4	2018	N2		Yes	CAP		WG	Thu 07/12/00	Fri 23/03/01	100%	No	No			
4	2019	N4		No	MAP			Thu 07/12/00	Fri 23/03/01	100%	No	No			
4	2253	N1		No	BSSAP+	SS7IP-BSSAP+	WG	Mon 15/01/01	Wed 14/03/01	100%	No	No			
2	1513	S2	Rel-4	No	**FS on Transport and control separation in the PS CN domain**		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
3	1615	S2		No	Architectural impacts		WG	Mon 29/05/00	Fri 23/03/01	100%	Yes	No			
1	401216	RP	NA	Yes	**Rel-4 Improvements of Radio Interface**	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	83%	No	No			
2	1509	R4	Rel-4	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"
2	1994	R1	Rel-4	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
2	1996	R4	Rel indep	No	**UMTS 1800**	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	100%	Yes	Yes			H. Benn, Motorola
2	2467	R4	Rel indep	No	**UMTS 1900**	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 14/12/01	100%	No	No			Howard Benn, Motorola
2	1219	R2		No	**FS on High Speed downlink packet access**	RInImp-HSDPA	TSG	Mon 21/08/00	Fri 23/03/01	100%	Yes	No			A. Ghosh, Motorola

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1510	R2		No	**FS on improved common DL channel for Cell-FACH state**	RInImp-DLCFACH	TSG	Mon 11/09/00	Fri 28/12/01	100%	Yes	Yes		Stopped at RAN#14	J. Kwak, GBT
2	401839	T1		No	**Conformance Test Spec. Rel-4 improvements in Radio Interface**			Mon 08/10/01	Fri 14/03/03	64%	No	No			
3	2212	T1		No	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
3	2213	T1		No	Testing Terminal Power saving features			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
3	2214	T1	Rel-4	No	Testing DSCH power control improvement in soft handover			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
3	2215	T1	Rel indep	No	Testing UMTS 1800		TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
3	41000	T1	Rel indep	No	Testing UMTS 1900		TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
3	2561	T1	Rel indep	No	Testing UMTS 1800 - TTCN		TSG	Mon 17/06/02	Fri 14/03/03	100%	No	No	34.123-3	finish date set	
3	41001	T1	Rel indep	No	Testing UMTS 1900 - TTCN		TSG	Mon 17/06/02	Fri 14/03/03	100%	No	No	34.123-3	finish date set	
1	400009	RP	NA	Yes	**Rel-4 RAN improvements**	RANimp	TSG	Mon 14/08/00	Wed 17/03/04	17%	No	No			
2	655	R1	Rel-4	No	**Node B synchronisation for TDD**	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2	2206	R2	Rel-4	No	**RAB support enhancement for Rel-4**	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	M. Israelsson, A. Krishnarajah, Ericsson
2	401912	MLST		No	**Start Testing**			Mon 03/12/01	Mon 03/12/01	0%	No	No		UID changed	
2	402102	T1		No	**Conformance Test Aspects - Rel-4 RAN Improvements**			Tue 01/01/02	Wed 17/03/04	2%	No	No	0%		
3	402222	T1		No	Testing Radio access bearer support enhancments			Tue 01/01/02	Mon 02/09/02	0%	No	No		duration set to 6 months (was 0)...	
3	402461	T1	Rel-4	Yes	Testing RAB support enhancements-Robust Header Compression	RABimp-RoCH	TSG	Tue 28/05/02	Wed 03/09/03	0%	No	No	34.123-1, -2	UID changed	
3	41006	T1	Rel-4	Yes	Testing RAB support enhancements-Robust Header Compression - TTCN		TSG	Tue 28/05/02	Wed 17/03/04	0%	No	No	34.123-3	UID changed	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	41007	T1	Rel-4	No	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	Wed 18/09/02	Tue 30/09/03	15%	No	No	34.123-1, -2		
3	41008	T1	Rel-4	No	Testing of Extended Robut Header Compression - TTCN		TSG	Wed 18/09/02	Tue 16/12/03	0%	No	No	34.123-3		
3	41009	T1	Rel-4	No	General changes to TS34.121 corresponding to release 4	RANimp-test	TSG	Mon 03/03/03	Wed 03/03/04	0%	No	No	34.108, 34.121		
1	401652	N1	NA	Yes	**Rel-4 Emergency call enhancements**	EMC1	WG	Mon 03/01/00	Tue 28/05/02	64%	Yes	No			Mr Rouzbeh, Ericsson
2	1654	N1	Rel-4	No	**For CS based calls**	EMC1-CS	TSG	Mon 03/01/00	Tue 28/05/02	64%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson
3	1320	S1		No	Distinction in CS domain of emergency call types to different emergency services			Mon 01/05/00	Fri 23/06/00	100%	No	No			
3	1999	N1		No	Distinction in CS domain of emergency calls to different emergency types			Mon 28/08/00	Tue 26/09/00	100%	No	No		Calls to different emergency services such as ambulance, fire brigade, police, etc. can be routed to respective different emergency centres....	
3	402224	T1		No	Conformance Test Aspects - Emergency call enhancements			Mon 03/01/00	Fri 28/07/00	0%	No	No		UID changed	
3	2226	T1		No	Testing CS based emergency calls		TSG	Mon 25/02/02	Tue 28/05/02	100%	No	No	34.123-1		
3	2563	T1		No	Testing CS based emergency calls - TTCN		TSG	Thu 22/11/01	Tue 28/05/02	100%	No	No	34.123-3		
1	401826	T2	NA	Yes	**Rel-4 Terminal interfaces**	TI		Mon 03/01/00	Thu 15/03/01	99%	No	No			
2	1827	T2	Rel-4	No	**AT commands enhancements**	TI-ATC		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.007		
3	1828	T2		No	Specification of AT commands for new services			Mon 03/01/00	Wed 14/03/01	100%	No	No	27.007	goal not completely achieved because of missing input	
2	1829	T2	NA	Yes	**Wide Area Data Synchronisation**	TI-WADS		Mon 03/01/00	Wed 14/03/01	99%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
3	1830	T2	Rel-4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
2	1832	T2	Rel-4	No	**Terminal local model**	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
1	401536	S2	NA	Yes	**Rel-4 Location Services enhancements**	LCS1	TSG	Mon 03/04/00	Fri 28/12/01	99%	No	No			Jan Kall, Nokia
2	2229	T2	Rel-4	No	**CBS interactions**	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
2	523	S2	Rel-4	No	**LCS support in the CS domain**	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
2	525	S2	Rel-4	No	**LCS support in the PS domain**	LCS1-PS		Mon 01/05/00	Fri 28/12/01	99%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1642	S1		No	Stage 1			Mon 03/07/00	Fri 25/08/00	100%	No	No	22.071	To be also considered: External LCS client identity, and Privacy options when PDP-context and when no PDP-context is established	Randolph Wohlert, Pacific Bell Wireless
3	1181	S2		No	Stage 2			Mon 01/05/00	Fri 19/01/01	100%	No	No	23.271	AS: 23.271 completed at SA#10	
3	1180	N1		No	Stage 3			Mon 21/08/00	Fri 28/12/01	100%	No	No			
4	526	N1		No	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)			Mon 21/08/00	Fri 28/12/01	100%	No	No			Janne Muhonen / Nokia
4	2462	N4		No	MAP impacts of LCS			Mon 21/08/00	Fri 30/03/01	100%	No	No		Missing work task	
4	527	N4		No	GTP signaling for LCS			Mon 21/08/00	Fri 30/03/01	100%	No	No			
2	401600	RP	NA	No	**UE positioning Rel-4**	LCS1-UEpos	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	Yes		UID changed	
3	1601	R3	Rel-4	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
3	1602	R2	Rel-4	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
1	401560	T3	NA	No	**Rel-4 UICC/(U)SIM enhancements and interworking**	UICC1		Mon 24/07/00	Fri 23/03/01	100%	No	No			
2	1799	T3	Rel-4	No	**Common PCN Handset Specification (CPHS)**	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
1	401800	T3	NA	No	**Rel-4 (U)SIM toolkit enhancements**	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No			
2	2034	T3	Rel-4	No	**USAT local link**	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
1	401571	S3	NA	No	**Rel-4 Security enhancements**	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	87%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2	1587	S3	Rel-4	No	**Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)**	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	100%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	?
2	1588	S3	Rel-4	No	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?
3	1589	S3		No	Main aspects			Tue 22/02/00	Fri 24/11/00	100%	No	No		Complete TSG#09 (09/2000). S3#17: Proposed for deletion. TO BE DELETED	
3	1618	N4		No	Impact on GTP		WG	Mon 20/03/00	Fri 22/12/00	100%	Yes	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1661	N1		No	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP		Mon 19/06/00	Fri 22/12/00	100%	No	No			Duncan Mills / Vodafone Airtouch
2	401583	S3	Rel-4	Yes	**MAP application layer security**	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing. Completed Auto Key Management -> Rel-6	
3	401584	S3		No	Main aspects		WG	Mon 21/02/00	Thu 29/03/01	100%	Yes	No		UID changed	
3	402025	N4		No	Other stage 3 aspects		TSG	Tue 22/02/00	Fri 24/11/00	100%	Yes	Yes		UID changed	
3	401594	S3	Rel-5	No	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom
1	401142	S5	NA	No	**Rel-4 Charging and OAM&P**	OAM	TSG	Fri 01/12/00	Fri 05/10/01	100%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2	2089	S5	Rel-4	No	**Rel4 Principles, high level Requirements and Architecture**	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2	2088	S5	Rel-4	No	**Rel4 Performance Management**		TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
2	2081	S5	Rel-4	No	**Fault Management**		TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4		Patrick JURÉ (Lucent Technologies)
2	2082	S5	Rel-4	No	**Configuration Management**	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8		Thomas TOVINGER (Ericsson)
2	2083	S5	Rel-4	No	**Rel4 Charging Management**	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
2	2071	S5	Rel-4	No	**UTRAN Operations and Maintenance procedures**	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800		Bert Boden (Mannesmann Mobilfunk)
1	1517	S2	Rel Indep	No	**Global Text Telephony**	GTT	TSG	Wed 28/06/00	Thu 29/08/02	82%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson
2	1634	S1		No	**Stage 1**		TSG	Wed 28/06/00	Fri 16/03/01	100%	No	No	22.976, 22.226		
2	1519	S2		No	**Stage 2**		TSG	Mon 11/09/00	Fri 22/06/01	100%	No	No	23.226		
2	2234	S4		No	**Specification of Cellular Text telephone Modem**	GTT-CTM		Mon 11/09/00	Mon 19/03/01	100%	No	No			
3	2238	S4		No	General description and C-code			Mon 11/09/00	Mon 11/12/00	100%	No	No	26.226, 26.230		
3	2237	S4		No	Minimum Performance requirements			Mon 11/09/00	Mon 19/03/01	100%	No	No	26.231		
2	1915	MLST		No	**Start Testing**			Mon 18/02/02	Mon 18/02/02	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1852	T1		No	**Conformance Test Aspects - Global Text telephony**			Fri 01/03/02	Thu 29/08/02	0%	No	No	34.125	Bearer services, new spec document?...	

Annex H: Definition of Release 5, extracted from the Project Plan - ver. 23 April 2003

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	625	R3	Rel-5	No	**IP transport in the UTRAN**	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 29/03/02	100%	Yes	Yes			Nicolas Drevon, Alcatel
1	2455	N4	Rel-5	No	**FS on Usage of SUA**	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
1	2476	R2	Rel-5	No	**High Speed Downlink Packet Access**	HSDPA	TSG	Mon 02/04/01	Fri 06/06/03	96%	No	No			Ravi Kuchibhotla, Motorola
2	2477	R1		No	**Physical Layer**	HSDPA-Phys	TSG	Thu 05/04/01	Fri 29/03/02	100%	No	No			Amitava Ghosh, Motorola
2	2478	R2		No	**Layer 2 and 3 aspects**	HSDPA-L23	TSG	Thu 05/04/01	Fri 29/03/02	100%	No	No		30 November: Completion date shifted to March 2002	Ravi Kuchibhotla, Motorola
2	2479	R3		No	**Iub/Iur protocol aspects**	HSDPA-IubIur	TSG	Mon 02/04/01	Fri 29/03/02	100%	No	No			Mike Diesen, Motorola
2	2480	R4		No	**RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing**	HSDPA-RF	TSG	Mon 09/04/01	Fri 06/06/03	90%	No	No			Howard Benn, Motorola
1	501216	RP	NA	Yes	**Rel-5 Improvements of Radio Interface**	RInImp	TSG	Mon 14/08/00	Fri 30/08/02	89%	No	No			
2	1471	R4	Rel-5	No	**Base station classification**	RInImp-BSClass	TSG	Mon 14/08/00	Fri 14/06/02	100%	Yes	Yes			A. Toskala, Nokia
3	1477	R4		No	TDD Base station classification	RInImp-BSClass-TDD	TSG	Mon 14/08/00	Fri 08/03/02	100%	Yes	Yes			A. Toskala, Nokia
3	24002	R4		No	Base Station Classification for 1.28 Mcps TDD option	RInImp-BSClass-LCRTDD	TSG	Fri 15/06/01	Fri 14/06/02	100%	No	No			Meik Kottkamp, Siemens
2	2469	R1	Rel-5	No	**Enhancement on the DSCH hard split mode**	RInImp-DSCHhsp	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jaeyoel KIM, Samsung
2	1217	R2	Rel-5	No	**Hybrid ARQ II/III**	RInImp-HARQ	TSG	Mon 21/08/00	Fri 28/12/01	100%	Yes	No		"Stopped at RAN#14; work on this task was performed as part of High Speed Downlink Packet Access feature"	A. Sitte, Siemens
2	1221	R1	Rel-5	No	**FS on USTS**	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
2	1997	R4	Rel-5	No	**FS on UE antenna efficency test method performance requirements**	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2	2494	R4	Rel-5	No	**FS on the re-introduction of the downlink SIR measurement**	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson
2	2493	R4	Rel-5	No	**FS on mitigating the effect of CPICH interference at the UE**	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 08/03/02	100%	No	No			Shimon Moshavi, Intel

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1839	T1		No	**Conformance Test Spec. improvements in Radio Interface**			Mon 18/02/02	Fri 30/08/02	0%	No	No			
3	2210	T1	Rel-5	No	Testing improvement of inter-frequency and inter-system measurement			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
3	2211	T1	Rel-5	No	Testing Hybrid ARQ II/III			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
1	500009	RP	NA	Yes	**Rel-5 RAN improvements**	RANimp	TSG	Fri 16/03/01	Mon 01/03/04	87%	No	No			
2	656	R3	Rel-5	No	**RRM optimization for Iur and Iub**	RANimp-RRMopt	TSG	Fri 16/03/01	Tue 04/06/02	100%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
3	23000	R3		No	Iur common transport channel efficiency optimisation	RANimp-RRMopt-ctc	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Shahrokh Amirijoo, Ericsson
3	23001	R3		No	Iur neighbouring cell reporting efficiency optimisation	RANimp-RRMopt-ncr	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Shahrokh Amirijoo, Ericsson
3	23002	R3		No	FS Introduction of direct transport bearers between SRNC and Node-B	RAN-imp-RRMopt-DTB	TSG	Fri 15/06/01	Tue 04/06/02	100%	No	No		FS was closed and introduction of WI not agreed at RAN #16	Risto Sepponen, Ericsson
2	2488	R3	Rel-5	No	**RL Timing Adjustment**	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2	2489	R3	Rel-5	No	**Separation of resource reservation and radio link activation**	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Gert-Jan van Lieshout, Ericsson
2	23003	R3	Rel-5	No	**FS SRNS Relocation Procedure Enhancement**	RANimp-SRNS	TSG	Fri 15/06/01	Tue 03/09/02	100%	No	No			Olivier Guyot, Nokia
2	2490	R3	Rel-5	No	**FS Improvement of Radio Resource Management across RNS and RNS/PSS**	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	100%	No	No		FS was closed and WI was introduced at RAN #14	Antti Toskala, Nokia
2	2491	R3	Rel-5	No	**Re-arrangements of Iub transport bearers**	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Antti Toskala, Nokia
2	22000	R2	Rel-5	No	**RAB support enhancement for Rel-5**	RANimp-RABSE5	TSG	Mon 02/04/01	Fri 28/06/02	100%	No	No		RFC 3095 context relocation	Juha Mikola, Nokia
2	21001	R1	Rel-5	No	**Beamforming requirements for UE**	RANimp-BFR-UE	TSG	Fri 21/09/01	Fri 14/12/01	100%	No	No			Jussi Kähtävä, Nokia
2	21002	R1	Rel-5	No	**Support of Site Selection Diversity Transmission in UTRAN**	RANimp-SSDT	TSG	Fri 14/12/01	Tue 04/06/02	100%	No	No		RP-020356	NEC
2	2472	R1	Rel-5	No	**Node B Synchronisation for 1.28 Mcps TDD**	RANimp-NBSLCR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jinling HU, CWTS/CATT
2	1912	MLST		No	**Start Testing**			Mon 03/12/01	Mon 03/12/01	0%	No	No			
2	2102	T1		No	**Conformance Test Aspects - RAN Improvements**			Tue 01/01/02	Mon 01/03/04	0%	No	No	0%		
3	2222	T1		No	Testing Radio access bearer support enhancments			Tue 01/01/02	Mon 02/09/02	0%	No	No		duration set to 6 months (was 0)...	

3GPP *TSG SA*

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	41010	T1	Rel-5	No	General changes to TS34.121 and TS34.122 corresponding to release 5	RANimp-test	TSG	Mon 03/03/03	Mon 01/03/04	0%	No	No	34.108, 34.121, 34.122		
1	23004	R3	Rel-5	No	**UTRAN Sharing in Connected Mode**	NETSHARE		Mon 03/12/01	Tue 03/09/02	100%	No	No		Formerly 'Shared Network support in connected mode', renamed at RAN #16.	Martin Israelsson, Ericsson
1	1273	S1	NA	No	**Provisioning of IP-based multimedia services**	IMS	TSG	Mon 03/01/00	Wed 03/03/04	92%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
2	1274	S2	Rel-5	No	**Call control and roaming to support IMS in UMTS**	IMS-CCR	TSG	Mon 03/01/00	Fri 14/06/02	98%	No	No			Liz Daniel, Lucent
3	1633	S1		No	Stage 1			Mon 21/02/00	Fri 15/12/00	100%	No	No	22.228	Issues include e.g.: Roaming requirements, Requirements on supplementary services, Interworking requirements	Mark Cataldo, Motorola
3	1514	S2		No	Stage 2 (Architecture and Main flows)		TSG	Fri 14/04/00	Fri 23/03/01	100%	Yes	Yes	23.228	Issues include e.g.: Mobile IP, RAB selection principles, Optimized VoIP bearer mechanisms, SIP multimedia protocol	Liz Daniel, Lucent
3	1296	N1		No	Impact on MM/CC/SM	IMS-CCR-IWMM		Mon 28/08/00	Fri 08/03/02	100%	No	No		Per 26/2-02: This is understood to be the PCO & TFT CRs which CN1 provides to TSGN #15 for approval. If this is correct understanding, then the task is 100 % complete.	Keith Drage, Lucent
3	2233	N1		No	SIP Call Control protocol for the IMS		TSG	Mon 03/01/00	Fri 14/06/02	98%	No	No	TS 24.228, TS 24.229, TS 23.218	"TSGN_10 approved the change:CN1 - SA2 SIP joint meeting spotted one more place for improvement: work tasks with ID 1998 and 1278 are actually subtasks under of single CN1 WT. One WI has been approved for the CN1 WT with title ""SIP Call Control protocol..."	Keith Drage, Lucent
4	1998	N1		No	IMS signalling flows		TSG	Mon 02/10/00	Fri 22/03/02	100%	Yes	Yes	TS 24.228	TS 24.228...	
4	1278	N1		No	IMS stage 3		TSG	Mon 02/10/00	Fri 22/03/02	100%	Yes	Yes	TS 24.229	TS 24.229...	
4	2255	N1		No	"IMS Session Handling; stage 2"		TSG	Mon 02/10/00	Fri 22/03/02	100%	No	No	TS 23.218	TS 23.218...	
4	10004	NP		No	Main IETF dependencies			Mon 03/01/00	Fri 07/06/02	99%	No	No			
5	2521	N1		No	IETF: RFC 3261 (Session Initiation Protocol)			Fri 24/11/00	Fri 22/03/02	100%	No	No			
5	2523	N1		No	IETF: RFC 3262 (Reliability of provisional responses)			Fri 24/11/00	Fri 22/03/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
5	2522	N1		No	IETF: RFC 3312 (Without COMET)(Integration of resource management and SIP)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	2524	N1		No	IETF: RFC 3323 (SIP extensions for caller identity and privacy)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	2525	N1		No	IETF: RFC 3313 (SIP extensions for media authorization)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	11000	N1		No	IETF: RFC 3265 (specific event notification)			Fri 24/11/00	Fri 22/03/02	100%	No	No			
5	11001	N1		No	IETF: RFC editor Queue (refer method)			Fri 24/11/00	Fri 07/06/02	100%	No	No			
5	11002	N1		No	IETF: RFC editor Queue (DHCP options for SIP servers)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	11004	N1		No	IETF: RFC 3267 (AMR and AMR WB RTP and SDP)			Fri 24/11/00	Fri 22/03/02	100%	No	No			
5	11005	N1		No	IETF: RFC 3266 (IPv6 support within SDP)			Mon 03/01/00	Fri 22/03/02	100%	No	No			
5	11022	N1		No	IETF: RFC 3311 (The Update method)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	11023	N1		No	IETF: RFC 3324 (Network Asserted Identity)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
5	11024	N1		No	IETF: RFC editor Queue (Various 3GPP Private Extensions)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
4	1290	S2		No	Addressing			Mon 09/10/00	Fri 22/03/02	100%	No	No			
5	1291	S2		No	Architectural issues			Mon 09/10/00	Fri 31/08/01	100%	No	No			
5	1292	N4		No	Impact on HSS			Wed 15/11/00	Fri 22/03/02	100%	No	No		17th May, KK: This is cover by 29.228 & 29228. Work complete.	
4	2530	S1		Yes	Service Examples	IMS-Sex	TSG	Tue 17/04/01	Fri 14/06/02	50%	No	No	22.928		Mark Cataldo, Motorola
5	2531	S1		Yes	IMS Framework Report	IMS-FrWk	TSG	Tue 17/04/01	Fri 14/06/02	50%	No	No	22.941		Randolph Wohlert, SBC Technology Resources, Inc.
2	1298	S3	Rel-5	No	**Access Security for IMS**	IMS-ASEC	TSG	Mon 08/10/01	Fri 28/06/02	100%	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist. Approved SA#15	Krister Boman, Ericsson
3	43000	T3		No	IMS impacts on UICC (ISIM application)			Mon 08/10/01	Fri 21/06/02	100%	No	No			Jeremy Norris (Vodafone)
3	11014	N1		No	SIP extensions for Integrity protection			Mon 17/12/01	Fri 28/06/02	100%	No	No		Per 26/2-02: CN1 is not aware of any requirements and is not doing anything on this task.	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	2574	S3	Rel-5	No	**Security Aspects of Requirement for Network Configuration Independence**	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	100%	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15.Editors notes removed SA#16&17	Hugh Shieh, AT&T Wireless Services
2	1299	S3	Rel-5	Yes	**Lawful interception**	IMS-LI	TSG	Mon 04/09/00	Fri 29/03/02	100%	No	Yes		Rel-5 33.106 and 33.107 approved at SA#12.Revised WID including new Rel-5 specification (33.108) scheduled for approval at SA#14. 33.108 approved SA#16. CR at SA#17	Berthold Wilhelm, Reg TP
2	35007	S5	Rel-5	No	**Charging and OAM&P for IMS**	IMS-OAM	TSG	Mon 25/12/00	Wed 12/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2	2036	S4	Rel-5	No	**Multimedia codecs and protocols for conversational PS services**	IMS-CODEC	TSG	Wed 26/07/00	Fri 27/09/02	100%	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia
3	2039	S4		No	Codecs		TSG	Wed 26/07/00	Thu 14/03/02	100%	Yes	Yes	26.235, 26.236		
3	34020	S4	Rel-5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia
3	34006	S4		No	recommendation for QoS parameter values for various media types		TSG	Mon 31/12/01	Fri 27/09/02	100%	No	Yes			
3	11025	N1		No	IETF: RFC 3310 (HTTP Digest Authentication using AKA)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
3	11026	N1		No	IETF: RFC 3329 (Security mechanism agreement for SIP connections)			Fri 24/11/00	Mon 13/05/02	100%	No	No			
2	32003	S2	Rel-5	No	**SIP message compression**			Mon 24/09/01	Fri 07/06/02	100%	No	No			
3	32004	S2		No	Stage 2			Mon 24/09/01	Fri 26/10/01	100%	No	No			
3	11015	N1		No	Compression signalling			Fri 28/09/01	Fri 07/06/02	100%	No	No			
2	10001	NP	Rel-5	No	**Stage 3 description of IMS interfaces**			Wed 14/03/01	Fri 30/08/02	98%	No	No			
3	1286	N4		No	Cx interface (HSS to CSCF)		TSG	Wed 14/03/01	Fri 07/06/02	100%	No	No		DAB 12/12/01 to 75%...	
3	14997	N4		Yes	Mp interface (MRFC - MRFP) enhancements			Wed 14/03/01	Fri 08/03/02	100%	No	No		[DAB 08-03-02] - No work required in CN4	
3	11016	N1		No	Mw interface (CSCF to P-CSCF)			Wed 14/03/01	Fri 07/06/02	100%	No	No			
3	11018	N1		No	Mr interface (CSCF to MRF)			Wed 14/03/01	Fri 29/03/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	14003	N4		Yes	Dx interface (I-CSCF to SLF)			Wed 14/03/01	Fri 07/06/02	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
3	13001	N3		No	Go interface (GGSN to PCF)			Wed 14/03/01	Fri 07/06/02	95%	No	No		[DAB - 30/07/02] - % complete to 95% (if we exclude Diffserv)	
3	11019	N1		No	ISC (IMS Service Control) Interface			Wed 14/03/01	Fri 07/06/02	100%	No	No			
3	14006	N4		Yes	Sh interface (HSS to AS)			Thu 14/02/02	Fri 07/06/02	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
3	14998	N4		Yes	Si interface (HSS to IM-SSF)			Wed 16/01/02	Fri 30/08/02	72%	No	No		SA16: Part of Rel5 only if completed in September 02	
3	11020	N1		No	Gm interface (UE to CSCF)			Wed 14/03/01	Fri 07/06/02	100%	No	No			
3	11027	N1		No	Mi interface (CSCF to BGCF)			Wed 14/03/01	Fri 07/06/02	100%	No	No			
3	11028	N1		No	Mj interface (BGCF to MGCF)			Wed 14/03/01	Fri 07/06/02	100%	No	No			
3	11029	N1		No	Mk interface (BGCF to BGCF)			Wed 14/03/01	Fri 07/06/02	100%	No	No			
2	1310	N5	Rel-5	Yes	**Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)**	IMS-ONOSA	TSG	Fri 21/09/01	Fri 07/06/02	100%	Yes	Yes	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
2	12000	N2	Rel-5	Yes	**CAMEL control of IMS services**	IMS-CAMEL		Mon 16/04/01	Fri 06/09/02	91%	Yes	Yes		SA16: Part of Rel5 only if Si completed in September 02	Angelica Remoquillo, Lucent
3	12001	N2		Yes	Stage2 work 'general'			Mon 16/04/01	Fri 06/09/02	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
3	12002	N2		Yes	Stage3 work 'CAP'			Mon 07/01/02	Fri 06/09/02	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
3	12003	N2		Yes	Stage2 work 'Si interface'			Mon 07/01/02	Fri 06/09/02	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
3	12004	N4		Yes	Stage3 work 'Si interface'			Thu 14/02/02	Fri 07/06/02	100%	No	No		[DAB 08-03-02] - UID 12004 is MASTER of UID 14998...	
3	14004	N4		Yes	SDM issues for CAMEL control of IMS			Thu 14/02/02	Fri 07/06/02	0%	No	No		[DAB 08-03-02] - No activity on this in CN4	
2	31002	S1	TBD	No	**Pre-pay/real-time charging in IMS**			Fri 15/06/01	Fri 15/03/02	60%	No	No			
2	35005	S5	Rel-5	No	**Charging**	OAM-CH	TSG	Mon 06/08/01	Thu 12/09/02	100%	No	No	32.2xy	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
3	32006	S2		No	Charging Implications of IMS architecture			Mon 06/08/01	Fri 16/11/01	100%	No	No			
3	35006	S5	Rel-5	No	Charging management for IMS (off-line & on-line)	OAM-CH	TSG	Mon 19/11/01	Thu 12/09/02	100%	No	No			
2	10002	NP	Rel-5	No	**Other IETF depencies**			Fri 24/11/00	Fri 07/06/02	70%	No	No		Was introduced at SA#13 by Ileana Leuca (exact position in the WP and related WG have to be defined)	
3	11011	NP		No	IETF: draft-ietf-aaa-diameter - should be CN4			Fri 24/11/00	Fri 07/06/02	90%	No	No			
3	11999	NP		No	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4			Fri 24/11/00	Fri 07/06/02	50%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1913	MLST	Rel-5	No	**Start Testing**			Mon 18/03/02	Mon 18/03/02	0%	No	No			
2	1844	T1		No	**Conformance Test Aspects - Provisioning of IMS**	IMS-TEST		Mon 18/03/02	Fri 27/12/02	0%	No	No		The task is a building block, individual work items are being considered but are constrained by lack of supporting companies	
2	41004	T1	Rel-5	No	**Testing of support for IMS - prose**		TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
2	41005	T1	Rel-5	No	**Testing of support for IMS - TTCN**		TSG	Wed 18/09/02	Wed 03/03/04	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
1	34001	S4	Rel-5	No	**Extended Transparent End-to-End PS Streaming Service**	PSS-E	TSG	Thu 03/01/02	Mon 17/03/03	86%	No	No	26.233, 26.234		O. Franceschi, Ericsson
2	34002	S1		No	**Stage 1**		TSG	Mon 18/11/02	Mon 17/03/03	65%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc
3	31032	S1		No	Interaction with other services		TSG	Mon 18/11/02	Mon 17/03/03	65%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc
2	34003	S4		No	**Stage 2 (version Rel5 of TS 26.234)**		TSG	Thu 03/01/02	Thu 14/03/02	100%	No	No	26.234	2nd resp SA2	
2	34019	S4		No	**RTP usage model**			Thu 03/01/02	Fri 06/12/02	90%	No	No	26.937		
1	501637	S1	NA	Yes	**Rel-5 OSA enhancements**	OSA1	TSG	Tue 11/07/00	Fri 14/06/02	95%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
2	32010	S2		No	**General Stage 2 for Rel5**			Tue 11/09/01	Fri 07/06/02	47%	No	No			
2	1429	S2	Rel-5	No	**OSA APIs for Multimedia Call Control**	OSA1-CSCF	TSG	Tue 11/07/00	Fri 07/06/02	100%	No	No		For Rel5 even if completed by March	
3	1430	S1		No	Stage 1		TSG	Tue 11/07/00	Thu 14/03/02	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG
3	15002	N5		No	(Multimedia) Call Control - Stages 2 and 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-04		
2	15003	N5	Rel-5	No	**Generic user interaction - Stage 3**		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-05		
2	15004	N5	Rel-5	No	**Charging - Stage 3**		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-12		
2	15007	N5	Rel-5	No	**"Call Control Service Mapping; Multiparty Call Control SIP - Stage 3"**		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.998-04-4		
2	15999	N5	Rel-5	No	**WSDL APIs for SOAP/HTTP - Stage 3**		TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No	29.198, 29.998		
2	1419	S3	Rel-5	No	**OSA security**	OSA1-SEC	TSG	Tue 11/07/00	Fri 14/06/02	92%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT
3	2121	S1		No	Stage 1		TSG	Tue 11/07/00	Fri 09/11/01	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	1421	S3		No	Stage 3		TSG	Mon 23/10/00	Fri 14/06/02	80%	No	No	???	??	
3	1422	N5		No	security related SCF(s) definition		TSG	Fri 21/09/01	Fri 07/06/02	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
3	1423	S3		No	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		TSG	Mon 11/09/00	Thu 14/12/00	100%	No	No	???		
2	401424	S2	Rel-5	No	**Interactions OSA - e-commerce**	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	96%	No	No			
3	1425	S1		No	Stage 1		TSG	Tue 11/07/00	Thu 14/03/02	95%	No	No	22.127		Jörg Swetina, SIEMENS AG
3	1529	N5		No	Stages 2 and 3		TSG	Fri 21/09/01	Fri 07/06/02	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
2	15005	N5	Rel-5	No	**Policy Management - Stage 3**		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-13		
2	15006	N5	Rel-5	No	**Presence and Availability Management (PAM) - Stage 3**		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-14		
2	1786	S1	Rel-5	No	**CHECK STATUS - LCS - OSA interfaces**	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	99%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
3	1787	S1		No	Stage 1		TSG	Mon 11/09/00	Fri 08/12/00	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
3	2124	S2		No	Stage 2		TSG	Mon 11/12/00	Mon 11/12/00	100%	No	No	23.127	az 24/05/01: Rel4 completion 90->100%.	Christophe GOURRAUD, Ericsson Canada
3	1788	N5		No	Stage 3		TSG	Fri 21/09/01	Fri 07/06/02	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
1	1638	S1	Rel-5	No	**CAMEL phase 4**	CAMEL4	WG	Mon 17/04/00	Fri 06/09/02	99%	No	No			Keijo Palviainen, Nokia
2	1461	S1		No	**Service requirements**		WG	Mon 17/04/00	Fri 14/06/02	100%	No	No			
2	2012	N2		No	**Call Party Handling**	CAMEL4-CPH	WG	Mon 10/07/00	Fri 07/06/02	100%	No	No			
2	2013	N2		No	**Mid call procedure for MO and MT calls**	CAMEL4-MCP	WG	Mon 17/07/00	Fri 07/06/02	100%	No	No			
2	2014	N2		No	**Interactions with Optimal Routing**	CAMEL4-IOR	WG	Mon 17/07/00	Fri 08/03/02	100%	No	No			
2	2015	N2		No	**Inclusion of flexible tone injection**	CAMEL4-IFTI	WG	Mon 17/07/00	Fri 08/03/02	100%	No	No			
2	2016	N2		No	**CSE control over MT SMS**	CAMEL4-CCSMS	WG	Mon 17/07/00	Fri 08/03/02	100%	No	No			
2	2460	N2		No	**Notification of GPRS mobility management to CSE**	CAMEL4-NMM	WG	Fri 02/03/01	Fri 07/06/02	100%	No	No			
2	2458	N2		No	**Provision of location information of called subscriber**	CAMEL4-LOCB	WG	Fri 02/03/01	Fri 08/03/02	100%	No	No			
2	2514	N2		No	**Inclusion of ODB data in the CSE_HLR interface**	CAMEL4-ODB	WG	Mon 09/07/01	Fri 08/03/02	100%	No	No		Added on May 29, 2001	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	2515	N2		No	**Location information during an ongoing call (Handover DP)**	CAMEL4-HODP	WG	Mon 14/05/01	Fri 07/06/02	100%	No	No			
2	2516	N2		No	**GPRS Any Time Interrogation**	CAMEL4-ATI	WG	Mon 09/07/01	Fri 07/06/02	100%	No	No			
2	2599	N2		No	**Transfer of IMEI (with SW version) to CSE**	CAMEL4-ATI	WG	Mon 09/07/01	Fri 07/06/02	100%	No	No			
2	12005	N2		No	**Handling of partial implementations of CAMEL4**	CAMEL4-SUB	WG	Fri 08/03/02	Fri 06/09/02	100%	No	No		stage2 and stage3 CRs for approval at CN#17	
1	2464	T2	Rel-5	No	**Rel-5 MExE enhancements**	MEXE5	TSG	Mon 26/03/01	Fri 08/03/02	100%	Yes	Yes			
2	2466	T2		No	**MExE Rel-5 Improvements and Investigations**	MEXE5-ENHANC	TSG	Mon 26/03/01	Fri 08/03/02	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola
1	1625	S4	Rel-5	No	**Wideband Telephony Service - AMR**	AMRWB	TSG	Sat 01/01/00	Fri 19/12/03	83%	No	No			Imre Varga, Siemens AG
2	62	S4		No	**Specification**			Sat 01/01/00	Thu 12/09/02	99%	No	No			
3	31005	S1		No	Stage 1			Mon 01/10/01	Fri 22/03/02	100%	No	No			
3	32007	S4		No	Stage 2			Mon 03/01/00	Mon 17/04/00	100%	No	No			
4	1459	S4		No	Design Constraints			Mon 03/01/00	Mon 07/02/00	100%	No	No			
4	1460	S4		No	General Description			Mon 07/02/00	Mon 17/04/00	100%	No	No			
3	1626	S4		No	Feasibility Study		TSG	Fri 28/04/00	Fri 02/06/00	100%	No	Yes	TR 26.901	S4,TD SP-000024: TR 26.901 v.4.0.0	
3	1656	N1		No	N1 Aspects		TSG	Fri 21/09/01	Fri 21/12/01	100%	No	No		Some of N1 tasks: Indication of supported codecs by the MS, Bearer cap negociation, codec indication to MS......	
3	14005	N4		No	N4 work		TSG	Wed 13/02/02	Fri 07/06/02	100%	No	No		CN4#11 30/11/01: No inputs to CN4 at this meeting...	
3	67	S4		No	Codec issues			Mon 03/01/00	Thu 12/09/02	99%	No	No			
4	1627	S4		No	Codec qualification		TSG	Tue 01/02/00	Tue 30/05/00	100%	No	Yes			
4	74	S4		No	Codec selection tests			Thu 01/06/00	Fri 20/10/00	100%	No	No			
4	891	S4		No	Codec selection			Mon 23/10/00	Fri 27/10/00	100%	No	No			
4	34007	S4		Yes	TFO AMR-WB	AMRWB-TFO		Tue 18/12/01	Thu 14/03/02	100%	No	No			
4	890	S4		No	Other codec issues (verif., caracterisation)			Fri 29/09/00	Fri 07/06/02	100%	No	No	TR 26.976	ANSI C-Code , Test Sequences, Speech Transcoding Functions, Error Concealment of lost frames, Source Controlled Bit-Rate Operation, Voice Activity Detector, Frame Structure	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
4	34008	S4		No	AMR-WB and narrowband interworking	AMRWB-IWG		Thu 27/09/01	Thu 14/03/02	100%	No	No			
4	34009	S4		No	Interworking with fixed broadband networks			Thu 27/09/01	Thu 14/03/02	100%	No	No			
4	34010	S4		No	Tones and announcements			Thu 27/09/01	Thu 14/03/02	100%	No	No			
4	34011	S1		No	WB Conferencing and WB Voice Group calls			Mon 03/01/00	Mon 03/01/00	0%	No	No			
4	34012	S5	Rel-5	No	Billing, accounting and call detail record aspects			Thu 27/09/01	Thu 12/09/02	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)
3	1989	MLST		No	Start Testing			Mon 25/02/02	Mon 25/02/02	0%	No	No			
3	1855	T1		No	Conformance tests (CRs to 34 series)			Sat 01/01/00	Wed 12/04/00	100%	No	No			
4	76	S4		No	Terminal Acoustic Characteristics			Sat 01/01/00	Wed 12/04/00	100%	No	No			
5	1628	S4		No	Definition		TSG	Sat 01/01/00	Mon 31/01/00	100%	No	Yes	26.131		
5	1629	S4		No	Test specification		TSG	Tue 01/02/00	Wed 12/04/00	100%	No	Yes	26.132		
2	34004	S4		No	**Floating-point ANSI-C code for the AMR-WB speech codec**	AMRWB-FP	TSG	Tue 25/09/01	Thu 14/03/02	100%	No	No	TS 26.204		J. Vainio (Nokia)
2	80	GP		No	**Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR**	GAMRWB	TSG	Mon 03/01/00	Fri 28/06/02	100%	No	No			
3	50098	GP		No	Channel coding in 45.003		TSG	Mon 03/01/00	Fri 05/04/02	100%	No	No			
3	2266	GP		No	Signalling for the A interface		TSG	Mon 03/01/00	Fri 29/06/01	100%	No	No			
3	2267	GP		No	Signalling for Iu		TSG	Mon 03/01/00	Fri 28/06/02	100%	No	No			
3	2268	GP		No	Receiver performance in TS 45.005		TSG	Mon 02/04/01	Fri 28/06/02	100%	No	No			
3	50000	GP		No	Link Adaptation in 45.009			Mon 26/03/01	Fri 28/06/02	100%	No	No			
2	2269	GP		No	**GERAN MS conformance test for AMR-WB**		TSG	Mon 03/01/00	Fri 19/12/03	0%	No	No		Not started	
3	2270	GP		No	MS test		TSG	Mon 03/01/00	Fri 19/12/03	0%	No	No			
2	2271	GP		No	**GERAN BTS conformance test for AMR-WB**		TSG	Mon 03/01/00	Mon 02/12/02	100%	No	No			
3	2272	GP		No	BTS test		TSG	Mon 03/01/00	Mon 02/12/02	100%	No	No			
1	1826	T2	NA	Yes	**Terminal interfaces**	TI		Mon 14/05/01	Wed 20/03/02	100%	No	No			
2	2573	T2	Rel-5	No	**Terminal local model enhancements**	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	No	Yes	23.227		
1	1536	S2	Rel-5	No	**Rel-5 Location Services enhancements**	LCS1	TSG	Mon 03/04/00	Fri 27/06/03	80%	No	No			Jan Kall, Nokia

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1600	RP	NA	No	**UE positioning**	LCS1-UEpos	TSG	Mon 15/01/01	Fri 29/03/02	99%	Yes	Yes			
3	2474	R2	Rel-5	No	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	Mon 09/04/01	Fri 29/03/02	100%	No	No			Xiaohua Mei, CATT
3	2125	R2	Rel-5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
2	1171	S1	Rel-5	No	**Event based and Periodic LCS**	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	88%	No	No			
3	1641	S1		No	Stage 1			Mon 22/05/00	Fri 17/11/00	100%	No	No	22.071	Evaluate Event based and Periodic LCS to be included in R00, corresponding Stage 1 description	Randolph Wohlert, Pacific Bell Wireless
3	1538	S2		No	Stage 2 specification			Mon 06/11/00	Fri 26/01/01	51%	No	No			
3	1179	N4		No	Impact on MAP			Fri 15/03/02	Fri 07/06/02	100%	No	No		Possible impact on UTRAN of LCS quality level request...	
2	2436	GP	Rel-5	No	**Location Services for GERAN in A/Gb Mode**	LCS-GERAN	TSG	Mon 03/04/00	Fri 08/02/02	100%	No	No			
3	2437	"GP;S2;G1;G2"		No	GERAN LCS Stage 2 (first release)		TSG	Mon 03/04/00	Fri 08/02/02	100%	No	No			
3	2438	GP		No	Gb interface support for LCS		TSG	Mon 03/04/00	Fri 31/08/01	100%	No	No			
3	2440	GP		No	L3 protocol support for LCS		TSG	Mon 03/04/00	Fri 01/06/01	100%	No	No			
3	2441	GP		No	Stage 3 specifications		TSG	Mon 03/04/00	Fri 01/06/01	100%	No	No			
2	2442	GP	Rel-5	No	**Location Services for GERAN in Iu Mode**		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
3	2443	"GP;R2;R3;S2;G1;G2"		No	GERAN LCS Stage 2		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
3	2444	"GP;R2;R3;S2;G1;G2"		No	Iu-ps interface support for LCS		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
3	2445	"GP;R2;R3;S2;G1;G2"		No	Iu-cs interface support for LCS		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
3	2446	"GP;R2;R3;S2;G1;G2"		No	Iur-g interface support for LCS		TSG	Wed 23/01/02	Fri 19/04/02	100%	No	No		FFS	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	2447	"GP;R 2;R3;S 2;G1;G 2"		No	RRC protocol support for LCS		TSG	Mon 20/08/01	Fri 30/11/01	100%	No	No			
3	2448	"GP;R 2;R3;S 2;G1;G 2"		No	Additional impacts on Broadcast of LCS data on packet channels		TSG	Mon 20/08/01	Wed 05/12/01	100%	No	No			
3	2449	"GP;R 2;R3;S 2;G1;G 2"		No	Stage 3 specifications		TSG	Mon 25/03/02	Fri 28/06/02	100%	No	No			
2	50068	GP		No	**GERAN MS Conformance test for LCS**	LCS-GERAN-MSconf		Mon 03/06/02	Fri 27/06/03	60%	No	No		On-going	
3	55069	"G4;G 5"		No	Develop LCS MS test case work plan (Release 98/99/4)			Mon 03/06/02	Fri 27/06/03	60%	No	No			
3	55070	"G4;G 5"		No	Develop LCS MS test cases			Mon 03/06/02	Fri 27/06/03	60%	No	No			
2	50069	GP		No	**GERAN BTS Conformance test for LCS**	LCS-GERAN-BTSconf		Mon 03/06/02	Fri 27/06/03	0%	No	No		Not started	
3	55071	"G4;G 5"		No	Develop LCS BTS test case work plan (Release 98/99/4)			Mon 03/06/02	Fri 27/06/03	0%	No	No			
3	55072	"G4;G 5"		No	Develop LCS BTS test cases			Mon 03/06/02	Fri 27/06/03	0%	No	No			
2	544	S2		No	**LCS interoperation stage 2 aspects**			Mon 28/08/00	Fri 28/06/02	17%	No	No			
2	2434	GP	Rel-5	No	**LCS interoperability aspects to GERAN**	LCS-GERAN	TSG	Mon 28/08/00	Fri 28/06/02	100%	No	No			
3	2435	"GP;S 2;S5;R 2;R3;G 2;G1"		No	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN	LCS-GERAN	TSG	Mon 28/08/00	Fri 28/06/02	100%	No	No			
2	1183	S1		No	**FS on LCS support in the IMS**			Mon 12/02/01	Fri 18/01/02	28%	No	No			
2	35008	S5	Rel-5	No	**Charging and OAM&P for LCS enhancements**	LCS1-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2	521	S3	Rel-5	No	**New security aspects of LCS (not identified)**	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	100%	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia
2	32011	S2	Rel-5	No	**Specification for the Le Interface**	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	100%	No	No			
2	32022	S2		No	**CHECK STATUS - Inter-GMLC interface**			Thu 30/05/02	Mon 30/12/02	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	501571	S3	NA	No	**Rel-5 Security enhancements**	SEC1	TSG	Mon 21/02/00	Fri 28/06/02	99%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2	1576	S3	Rel-5	No	**Network domain security**	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/06/02	99%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP. TO BE DELETED OR MOVED TO HISTORY FILE	Geir M. Køien, Telenor
3	1577	S3		No	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)			Fri 12/05/00	Fri 07/06/02	99%	No	No			
4	1578	S3		No	Main aspects			Fri 12/05/00	Thu 21/06/01	100%	No	No		TO BE DELETED	
4	1579	N4		No	Integration of GTP signalling security architecture			Fri 14/09/01	Fri 07/06/02	100%	No	No		Waiting for input from SA3!...	
3	1580	S3		No	User plane protection in core network (e.g., provided by IPsec)			Mon 21/02/00	Fri 28/06/02	98%	No	No		TO BE DELETED	
4	1581	S3		No	Main aspects			Mon 21/02/00	Thu 21/06/01	100%	No	No		??	
4	1582	N4		No	Integration of GTP signalling security architecture			Fri 14/09/01	Fri 28/06/02	95%	No	No		14/02/2002 requirements are not clear/not received...	
3	2576	S3		No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Thu 15/06/00	Fri 15/03/02	100%	No	No	TS 33.210	TS 33.210 will be presented for info at SA#14 and is scheduled for approval at SA#15. 2002/12: All IPsec RFCs are stable STD Track RFCs. WID updated SA#17	Geir M. Køien, Telenor
1	2243	S2	Rel-5	No	**Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	IUFLEX	TSG	Mon 02/10/00	Fri 28/06/02	100%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson
2	2244	S2		No	**Overall System Architecture**		TSG	Wed 03/01/01	Fri 21/09/01	100%	No	No			
2	20000	R3		No	**Stage 3: RAN node selecting CN node**		TSG	Mon 24/09/01	Fri 22/03/02	100%	No	No		Not identified	Brendan McWilliams, Vodafone
2	2248	N1		No	**N1 work**		TSG	Mon 17/09/01	Fri 28/06/02	100%	No	No	24.008 and check 29.018		
2	2249	N4		No	**N4 work**		TSG	Mon 02/10/00	Fri 08/03/02	100%	No	No		DAB 12.12.01 - % complete to 66%...	
2	50067	GP	Rel-5	No	**GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	IDCRAN-GERAN		Fri 08/02/02	Fri 28/06/02	100%	No	No		Accept changes Gb over IP	Ingemar Backlund, Ericsson
3	51068	G1		No	Stage 2 (changes to)			Fri 08/02/02	Fri 28/06/02	100%	No	No			
3	51069	G1		No	43.051 Introduction of support for IDNNS in GERAN Iu mode			Fri 08/02/02	Fri 28/06/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	52070	G2		No	Stage 3 (changes to)			Fri 08/02/02	Fri 28/06/02	100%	No	No			
3	52077	G2		No	48.016 Use of Gb interface concepts when a network applies IDNNS			Fri 08/02/02	Fri 28/06/02	100%	No	No		Closed, accept changes for Gb over IP	
3	52078	G2		No	48.018 Include MSC/VLR identity in CS IMSI paging			Fri 08/02/02	Fri 28/06/02	100%	No	No			
1	501142	S5	NA	No	**Rel-5 Charging and OAM&P**	OAM	TSG	Mon 10/09/01	Thu 12/09/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2	35002	S5	Rel-5	No	**Rel5 Principles, high level Requirements and Architecture**	OAM-AR/PR	TSG	Mon 17/09/01	Fri 28/06/02	100%	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola)
2	35003	S5	Rel-5	No	**Rel5 Performance Management**	OAM-PM	TSG	Mon 17/09/01	Thu 12/09/02	100%	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks)
2	35004	S5	Rel-5	No	**Rel5 Charging Management**	OAM-CH	TSG	Mon 10/09/01	Thu 12/09/02	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)
2	35001	S5	Rel-5	No	**Rel5 Network Infrastructure Management**	OAM-NIM	TSG	Fri 21/09/01	Thu 12/09/02	100%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson)
1	2392	GP	Rel-5	No	**GERAN enhancements for streaming services 1 (RLC enhancements)**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2	2394	GP		No	**Concept**			Mon 06/11/00	Wed 31/10/01	100%	No	No			
2	2395	GP		No	**RLC protocol enhancement (SDU Discard)**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
1	2396	GP	Rel-5	No	**GERAN enhancements for streaming services 2 (usage of ECSD)**			Mon 06/11/00	Fri 28/06/02	99%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
2	2398	GP		No	**Usage of ECSD Concept**			Mon 06/11/00	Fri 19/04/02	100%	No	No			
2	2399	GP		No	**Stage 2**			Mon 06/11/00	Fri 19/04/02	100%	No	No			
2	2400	GP		No	**Stage 3**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2	2401	GP		No	**RLC PDU formats**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2	2402	GP		No	**MAC header**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
1	2412	"GP;R 3"	Rel-5	No	**GERAN/UTRAN interface evolution 1 (evolution of Iu PS)**	GERUEV1		Fri 01/09/00	Fri 28/06/02	100%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC
2	2413	"GP;R 3"		No	**Evolution of Iu ps**	GERUEV1 -IuPS		Fri 01/09/00	Fri 28/06/02	100%	No	No			
3	2414	"GP;R 3"		No	Identification of GERAN requirements on Iu ps			Fri 01/09/00	Fri 30/11/01	100%	No	No			
3	2415	"GP;R 3"		No	Update of specifications			Mon 03/12/01	Fri 28/06/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	2416	"GP;R 3"	Rel-5	No	**GERAN/UTRAN interface evolution 2 (evolution of Iu CS)**	GERUEV2		Fri 01/09/00	Fri 28/06/02	100%	No	No			
2	2417	"GP;R 3"		No	**Evolution of Iu cs**	GERUEV2 -IuCS		Fri 01/09/00	Fri 28/06/02	100%	No	No		Lucent, Ericsson, AWS, Nortel	Krishna Balachandran, Lucent
3	2418	"GP;R 3"		No	Identification of GERAN requirements on Iu cs			Fri 01/09/00	Fri 19/04/02	100%	No	No			
3	2419	"GP;R 3"		No	Update of specifications			Fri 01/09/00	Fri 28/06/02	100%	No	No			
1	2556	S2	Rel-5	No	**End to End QoS for PS Domain including IMS**	E2EQoS	TSG	Mon 28/08/00	Fri 28/06/02	97%	No	No			Johnson Oyama, Ericsson
2	2557	S2		No	**E2E QoSConcept and Architecture**		TSG	Wed 03/01/01	Fri 07/09/01	100%	No	No	23.207		
2	2558	N3		No	**E2E QoS interworking**	E2EQoS-IW	WG	Mon 28/08/00	Fri 07/06/02	95%	No	No	29.208, 29.207, 27.060, 29.061, 24.008, 24.228, , 24.229, 29.060, 29.163	[DAB - 30/07/02] - % complete to 95% (if we exclude Diffserv)	Daisuke Yokota, Lucent
2	2559	S5	Rel-5	No	**QoS Management (Provisioning and Monitoring)**	E2EQoS-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
1	2569	T2	Rel-5	No	**Messaging enhancements Rel-5**	MESS5	TSG	Fri 15/06/01	Mon 31/03/03	91%	No	Yes		support of UAProf, so this in my opinion is 100% complete	
2	2571	T2		No	**Multimedia Messaging (MMS) enhancements**	MESS5-MMS	TSG	Fri 15/06/01	Mon 31/03/03	89%	No	Yes			Josef Laumen, Siemens
3	31000	S1	Rel-5	No	Definition of service requirements	MESS5-SR		Fri 15/06/01	Fri 15/03/02	90%	No	No	22.140		Josef Laumen, Siemens
3	42000	T2		No	Technical realization			Fri 15/06/01	Fri 07/06/02	100%	No	No	23.140	stage 3 MM7 is missing	Josef Laumen, Siemens
3	42008	T2		No	WAP Forum dependency: MM1 stage 3			Fri 15/06/01	Mon 31/03/03	80%	No	No			
3	34018	S4		No	MMS formats and codecs			Mon 03/12/01	Fri 15/03/02	100%	No	No	26.140		
2	2572	T2		No	**Enhanced Messaging Service (EMS) enhancements**	MESS5-EMS	TSG	Fri 15/06/01	Fri 08/03/02	99%	No	Yes	23.040		Alan Baldwin, Ericsson
3	31001	S1		No	Definition of service requirements			Fri 15/06/01	Fri 14/09/01	100%	No	No			Alan Baldwin, Ericsson
3	42001	T2		No	Technical realization			Fri 15/06/01	Fri 08/03/02	100%	No	No	23.040		Alan Baldwin, Ericsson
1	50001	GP	Rel-5	No	**GERAN Inter BSC NACC improvements over the Gb Interface**	GERNAC C		Mon 03/09/01	Fri 28/06/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	14501	"N4;S2"		No	**Modification of core network protocols for GERAN Inter BSC NACC over Gb Interface**	GERNACC-Cnmod		Mon 03/09/01	Fri 19/04/02	100%	No	No			
3	32502	"N4;S2"		No	Stage 2 - Concept			Mon 03/09/01	Wed 31/10/01	100%	No	No			
3	14502	"N4;S2"		No	Stage 2 - 23.060 change - Definition of Inter BSC NACC			Mon 03/09/01	Fri 19/04/02	100%	No	No			
3	14503	N4		No	Stage 3 (changes to TS 29.060)			Mon 03/09/01	Fri 08/03/02	100%	No	No		IP 30/11/01: Input awaited from GERAN2 to CN4...	
2	50002	GP		No	**Modification of Gb protocols for GERAN Inter BSC NACC over Gb Interface**	GERNACC-Gbmod		Fri 30/11/01	Fri 28/06/02	100%	No	No			
3	50003	GP		No	Stage 3 (changes to TS 48.018)			Fri 30/11/01	Fri 28/06/02	100%	No	No			
1	50033	GP	Rel-5	No	**Enhanced Power Control**	EPC		Mon 26/11/01	Fri 19/12/03	0%	No	No			
2	50034	GP		No	**Realization of Enhanced power control and signaling support**			Mon 26/11/01	Fri 30/11/01	100%	No	No		Ready	
2	50035	GP		No	**GERAN MS Conformance test for Enhanced Power Control**			Mon 10/12/01	Fri 19/12/03	0%	No	No		Not started	
2	50036	GP		No	**GERAN BTS Conformance test for Enhanced Power Control**			Mon 10/12/01	Fri 19/12/03	0%	No	No		Not started	
1	50037	GP	Rel-5	No	**8PSK AMR HR**	8PSK-AH		Mon 10/12/01	Fri 19/12/03	73%	No	No		Completed for Rel-5	
2	50038	GP		No	**Definition of channel coding, performance requirements and signaling support**			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	50061	GP		No	Concept			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	52004	G2		No	Changes to 44.018			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	51025	G1		No	Changes to 45.001			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	51026	G1		No	Changes to 45.002			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	51027	G1		No	Changes to 45.003			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	51028	G1		No	Changes to 45.005			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	52005	G2		No	Changes to 24.008			Mon 10/12/01	Fri 28/06/02	100%	No	No			
3	52006	G2		No	Changes to 48.058			Mon 10/12/01	Fri 28/06/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	50039	GP		No	**GERAN MS Conformance test for 8PSK HR**			Mon 10/12/01	Fri 19/12/03	0%	No	No			
2	50040	GP		No	**GERAN BTS Conformance test for 8PSK HR**			Mon 10/12/01	Fri 20/12/02	100%	No	No			
1	13000	N3	Rel-5	No	**Service Change and UDI Fallback**	SCUDIF	WG	Mon 08/10/01	Fri 07/06/02	100%	No	No	29.007, 27.001, 24.008	[DAB - 15/11/02] - NOTE INTERWORKING ISSUES IDENTIFIED THAT NEED CLARIFICATION	Rune Werner Wiik, Ericsson AS
1	501800	T3	NA	No	**Rel-5 USIM toolkit enhancements**	USAT1		Mon 05/06/00	Fri 26/09/03	51%	No	No			
2	43002	T3		No	**Test specification for USIM toolkit security mechanims**			Tue 28/05/02	Fri 26/09/03	0%	No	No			Sophie Viallet (Gemplus)
2	1801	T3	Rel-5	No	**Protocol Standardisation of a SIM Toolkit Interpreter**	USAT1-Interpr	TSG	Mon 05/06/00	Wed 22/01/03	64%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	Michael Meyer, G & D
3	2497	T3		No	Stage 1		TSG	Mon 05/06/00	Fri 16/03/01	100%	No	No		5/10/2001: Stage one comepeted at TP-12.	
3	2496	T3		No	Stage 2 and 3		TSG	Wed 03/01/01	Fri 08/03/02	100%	No	No		5/10/2001: TS 31.112 and 31.113 approved at TP-13. TS 31.114 to be presented to TP-14.	
3	2518	T3		No	Test specification		TSG	Mon 03/09/01	Wed 22/01/03	12%	No	No		5/10/2001: Work started on test specification	Gérald MAUNIER (Gemplus)
2	501802	T3	NA	Yes	**(U)SIM API**	USAT1-API		Wed 20/03/02	Fri 20/09/02	100%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
3	5043001	T3		No	Java API Test specification			Wed 20/03/02	Fri 20/09/02	100%	No	No			Mario Pérez (Microelectrónica Española)
1	30001	Generic	Rel-5	No	**small Technical Enhancements and Improvements for Rel5**	TEI5	TSG	Mon 25/12/00	Fri 22/03/02	100%	Yes	Yes		"""Joker"" WI, to be used for a Rel 5 CR not related to any feature and with very limited impact on the system"	
1	31013	S1	Rel-5	No	**Technical Report on UE Functionality Split**	UESPLIT	TSG	Mon 03/01/00	Mon 01/05/00	0%	No	No			Sanjay Gupta, Motorola
1	2520	S5	NA	No	**User Equipment Management**	UEM	TSG	Thu 21/06/01	Fri 28/06/02	99%	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone)
2	35000	S5	Rel-5	No	**FS on User Equipment (UE) Management**	OAM-UEM	TSG	Thu 21/06/01	Fri 28/06/02	100%	No	No	32.802		John Mudge (Vodafone)
1	50101	GP	Rel-5	No	**Flow control supporting an MS with multiple data flows with different QoS over the Gb interface**	FlowCon	TSG	Mon 24/06/02	Fri 30/08/02	100%	No	No			Ingemar Backlund, Ericsson
2	50102	GP		No	**Update of stage 2 specifications**		TSG	Mon 24/06/02	Fri 30/08/02	100%	No	No			
3	32097	S2		No	Concept document 23.060 (changes to)			Fri 28/06/02	Fri 30/08/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	50103	GP		No	Flow Control			Mon 24/06/02	Fri 28/06/02	100%	No	No			
2	50104	GP		No	**Modification of BSSGP protocol**		TSG	Mon 24/06/02	Fri 28/06/02	100%	No	No			Ingemar Backlund, Ericsson
3	52095	G2		No	Stage 3 (changes to 48.018)			Mon 24/06/02	Fri 28/06/02	100%	No	No			
1	50058	GP	Rel-5	No	**Multiple TBF in A/Gb mode**	MULTBF	TSG	Fri 19/04/02	Fri 28/11/03	17%	No	No			Gunnar Mildh, Ericsson
2	50059	GP		No	**Multiple TBF in A/Gb mode**	MULTBF-Agbmode		Fri 19/04/02	Fri 22/08/03	26%	No	No		Started	
3	50060	GP		No	Multiple TBF Concept paper			Fri 19/04/02	Fri 22/08/03	50%	No	No			
3	51001	G1		No	Multiple TBF Stage 2 (43.064) CRs			Fri 19/04/02	Fri 22/11/02	0%	No	No			
3	50062	G2		No	Multiple TBF Stage 3 (44.060) CRs			Fri 19/04/02	Fri 22/11/02	0%	No	No			
2	50106	GP		No	**Multiple TBF in A/Gb mode – MS testing**			Mon 24/06/02	Fri 28/11/03	0%	No	No			Ingemar Backlund, Ericsson
3	54101	G4		No	MS conformance tests			Mon 24/06/02	Fri 28/11/03	0%	No	No		Not started	
1	2345	GP	Rel-5	No	**Alignment of 3G functional split and Iu**	GER3GAL	TSG	Thu 08/06/00	Fri 19/12/03	85%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
2	2346	GP		No	**GERAN user / control plane**	GER3GAL-GUCOPL	TSG	Mon 07/08/00	Fri 30/08/02	99%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
3	2347	GP		No	Alignment with UMTS bearer concept		TSG	Mon 07/08/00	Fri 30/08/02	99%	No	No			
4	50300	GP		No	Enhanced power control		TSG	Fri 31/08/01	Fri 31/08/01	100%	No	No			
4	2423	GP		No	Stage 2		TSG	Mon 07/08/00	Fri 29/06/01	100%	No	No			
4	2348	GP		No	Adoption of the UTRAN PDCP		TSG	Mon 06/11/00	Fri 21/12/01	100%	No	No		"Responsible is GERAN; RAN WG2 help may be needed."	
4	50043	GP		No	Development of RLC / MAC		TSG	Fri 31/08/01	Fri 30/08/02	100%	No	No			
4	50044	GP		No	Development of GERAN RRC		TSG	Fri 22/06/01	Fri 28/06/02	100%	No	No			
4	50045	GP		No	Ciphering and integrity protection concept paper		TSG	Fri 31/08/01	Fri 19/04/02	100%	No	No			
4	50046	GP		No	Multiple TBF or equivalent Concept paper		TSG	Fri 31/08/01	Fri 08/02/02	100%	No	No			
4	50047	GP		No	Paging concept		TSG	Fri 31/08/01	Fri 19/04/02	100%	No	No			
4	50048	GP		No	Dedicated Physical subchannels, includes traffic and control channels		TSG	Fri 31/08/01	Fri 30/11/01	100%	No	No			
4	50049	GP		No	Iu support and broadcast concept		TSG	Fri 31/08/01	Fri 19/04/02	100%	No	No			
4	50050	GP		No	Impact of using RLC instead of LAPDm concept		TSG	Fri 31/08/01	Fri 08/02/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
4	50051	GP		No	Contention resolution, mobile station identity, and access concept		TSG	Fri 31/08/01	Fri 30/11/01	100%	No	No			
4	50052	GP		No	PDCP concept		TSG	Fri 31/08/01	Fri 19/04/02	100%	No	No			
4	50053	GP		No	Downlink delayed TBF release		TSG	Fri 31/08/01	Fri 30/08/02	100%	No	No			
4	50054	GP		No	Add transparent RLC Concept		TSG	Fri 31/08/01	Fri 08/02/02	100%	No	No			
4	50055	GP		No	Handover concept			Fri 31/08/01	Fri 08/02/02	100%	No	No			
3	2424	GP		No	Physical layer alignment with UMTS bearer concept		TSG	Mon 06/11/00	Fri 30/11/01	99%	No	No			
4	2356	GP		No	PDTCH/TCH in 45.003		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2357	GP		No	Control channels in 45.003		TSG	Mon 06/11/00	Fri 08/06/01	100%	No	No			
4	2358	GP		No	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG	Mon 06/11/00	Fri 30/11/01	100%	No	No			
2	2359	"GP;RP"		No	**Iu rg interface**	GER3GAL-Iurg	TSG	Mon 06/11/00	Fri 28/06/02	100%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
3	2425	"GP;RP"		No	Inter BSS interface			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2360	GP		No	Identification of requirements			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2361	GP		No	Stage 2			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2362	GP		No	Adoption of relevant parts from Iur			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2363	GP		No	Complementation with GERAN specifics			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2364	GP		No	Stage 3			Mon 06/11/00	Fri 28/06/02	100%	No	No			
3	2426	"GP;RP"		No	Inter BSS-RNS interface			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2365	"GP;R3"		No	Identification of requirements			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2366	"GP;R3"		No	Stage 2			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2367	"GP;R3"		No	Adoption of relevant parts from Iur			Mon 06/11/00	Fri 28/06/02	100%	No	No			
4	2368	"GP;R3"		No	Complementation with GERAN specifics			Wed 30/01/02	Fri 28/06/02	100%	No	No			
4	2369	"GP;R3"		No	Stage 3			Wed 30/01/02	Fri 28/06/02	100%	No	No			
2	2370	"GP;R3"		No	**Voice over GERAN PS and CS concept**			Mon 06/11/00	Fri 28/06/02	100%	No	No			
3	2371	"GP;R3"		No	Architecture for A, Iu cs and Iu ps			Mon 06/11/00	Fri 28/06/02	100%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	2372	GP		No	Transcoder position/operation			Mon 06/11/00	Fri 13/04/01	100%	No	No			
3	2373	"GP;R 3"		No	Handover			Mon 06/11/00	Fri 28/06/02	100%	No	No			
3	2374	"GP;R 3"		No	RTP payload			Mon 06/11/00	Fri 28/06/02	100%	No	No			
3	2375	"GP;R 3"		No	Codec renegotiation concept			Mon 06/11/00	Fri 29/03/02	100%	No	No			
3	2376	GP		No	LA			Mon 06/11/00	Fri 13/04/01	100%	No	No			
2	2388	GP		No	**GERAN MS Conformance test for GERAN interface evolution**			Mon 11/06/01	Fri 19/12/03	0%	No	No		Not started	
3	2389	GP		No	MS test			Mon 11/06/01	Fri 19/12/03	0%	No	No		Not started	
2	2390	GP		No	**GERAN BSS Conformance test for GERAN interface evolution**			Thu 08/06/00	Fri 19/12/03	0%	No	No		Not started	
3	2391	GP		No	BSS test			Thu 08/06/00	Fri 19/12/03	0%	No	No		Not started	
1	2330	GP	Rel-5	No	**GERAN support for IMS**	GERIMS	TSG	Mon 01/05/00	Fri 20/12/02	59%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
2	2331	"GP;S 2;RP"		No	**GERAN Header adaptation**	GERIMS-HEADAPT	TSG	Mon 01/05/00	Fri 20/12/02	100%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
3	2332	"GP;S 2;RP"		No	Definition of compression and removal modes for PDCP protocol		TSG	Mon 01/05/00	Fri 10/11/00	100%	No	No			
3	2333	"GP;S 2;RP"		No	Conceptual description in stage 2		TSG	Mon 01/05/00	Wed 31/10/01	100%	No	No			
3	2334	"GP;S 2;RP"		No	Necessary changes on stage 3 regarding header removal		TSG	Mon 06/11/00	Fri 20/12/02	100%	No	No			
1	54001	"G4;G 5"	NA	No	**MS Conformance Testing of Dual Transfer Mode**	MSCTDTM	TSG	Mon 11/11/02	Fri 07/02/03	100%	No	No		Needed to complete DTM (R99)	Dave Fox, Vodafone

Annex I: Current content of Release 6, extracted from the Project Plan - ver. 9 June 2003

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	2	RP	NA	Yes	**Evolutions of the transport in the UTRAN**	ETRAN	TSG	Mon 10/07/00	Fri 12/12/03	0%	No	No		To be deleted at TSG#18 if no input.	Francois Courau
1	1216	RP	NA	Yes	**Improvements of Radio Interface**	RInImp	TSG	Mon 14/08/00	Fri 12/03/04	39%	No	No			
2	1470	R1	Rel-6	No	**Improvement of inter-frequency and inter-system measurement**	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 12/09/03	5%	Yes	Yes		RP-020389	Nokia (Antti Toskala)
2	24004	R4	Rel-6	No	**Base station classification**	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	100%	No	No			
3	1476	R4	Rel-6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes			A. Toskala, Nokia
2	24007	R4		No	**UMTS-850**	RInImp-UMTS850	TSG	Fri 06/12/02	Fri 12/03/04	10%	No	No			Don Zelmer, Cingular
2	24009	R4	Rel-6	No	**DS-CDMA introduction in the 800 MHz band**	RInImp-UMTS800	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Takehiro Nakamura, NTT DoCoMo
2	24010	R4	Rel-6	No	**UMTS 1.7/2.1 GHz**	RInImp-UMTS1721	TSG	Fri 14/03/03	Fri 12/12/03	0%	No	No			Jussi Numminen, Nokia
2	24003	R4	Rel-6	No	**FS for the viable deployment of UTRA in additional and diverse spectrum arrangements**	RInImp-UMTSBands	TSG	Fri 08/03/02	Fri 06/09/02	90%	No	No			Thomas Unshelm, Ericsson
2	24005	R4	Rel-6	No	**FS on UE antenna efficiency test methods performance requirements (2)**	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
2	1506	R1	Rel-6	No	**FS on Radio link performance enhancements**	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 19/09/03	40%	Yes	Yes		RP-020358	Antti Toskala, Nokia Networks
2	24001	R4	Rel-6	No	**FS on UTRA WideBand Distribution Systems**	RInImp-WDS	TSG	Mon 12/03/01	Fri 19/09/03	40%	No	No			Andrea Casini, Tekmar Sistemi
2	21000	R1	Rel-6	No	**FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD**	RInImp-IfIsMLCR	TSG	Fri 14/12/01	Fri 19/09/03	55%	No	No		RP-020374	Li Xiao Qiang, SAMSUNG
2	21003	R1	Rel-6	No	**FS for the analysis of OFDM for UTRAN enhancements**	RInImp-FSOFDM	TSG	Mon 10/06/02	Fri 05/12/03	30%	No	No			Sarah Boumendil, Nortel
2	21004	R1	Rel-6	No	**FS on Uplink Enhancements for Dedicated Transport Channels**	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 05/12/03	35%	No	No			Karri Ranta-aho, Nokia

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	21005	R1	Rel-6	No	**FS on Analysis on Higher Chip Rates for UTRA TDD evolutions**	RInImp-FSVHCRTDD	TSG	Fri 06/09/02	Fri 05/12/03	30%	No	No			Tim Wilkinson, IPWireless
2	24011	R4	Rel-6	No	**FS on Low Output Powers for general purpose FDD BSs**	RInImp-FSLOP	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Jose Alberto Martin, Telefonica
1	2468	R1	Rel-6	No	**Multiple Input Multiple Output antennas (MIMO)**	RInImp-MIMO	TSG	Fri 08/03/02	Fri 19/03/04	31%	No	No			Howard Huang, Lucent
2	21006	R1	Rel-6	No	**Multiple Input Multiple Output antennas - Physical layer**	RInImp-MIMO-Phys	TSG	Fri 14/03/03	Fri 19/09/03	40%	No	No			Howard Huang, Lucent
2	22003	R2	Rel-6	No	**Multiple Input Multiple Output antennas - Layer 2,3 aspects**	RInImp-MIMO-L23	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Howard Huang, Lucent
2	23008	R3	Rel-6	No	**Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects**	RInImp-MIMO-Iurlub	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Howard Huang, Lucent
2	24008	R4	Rel-6	No	**Multiple Input Multiple Output antennas - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing**	RInImp-MIMO-RF	TSG	Fri 14/03/03	Fri 19/03/04	0%	No	No			Howard Huang, Lucent
2	24006	R4	Rel-6	No	**Improving Receiver Performance Requirements for the FDD UE**	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 19/09/03	70%	No	No			Shimon Moshavi, Intel
1	9	RP	NA	Yes	**RAN improvements**	RANimp	TSG	Fri 14/12/01	Fri 05/12/03	30%	No	No			
2	20999	R1	Rel-6	No	**Beamforming Enhancements**	RANimp-BFE	TSG	Fri 14/12/01	Fri 06/06/03	80%	No	No	RP-020357		Jussi Kähtävä, Nokia
2	624	R2	Rel-6	No	**RAB support enhancement**	RANimp-RABSE	TSG	Fri 14/03/03	Fri 19/09/03	0%	Yes	Yes		This is a building block without particular end date	M. Israelsson, A. Krishnarajah, Ericsson
3	23009	R3	Rel-6	No	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Phillipe Godin, Nortel
2	23005	R3	Rel-6	No	**Improvement of RRM across RNS and RNS/BSS**	RANimp-RRM1	TSG	Mon 25/03/02	Fri 05/12/03	35%	No	No			Sami Kekki, Nokia
2	23006	R3	Rel-6	No	**FS on the evolution of the UTRAN architecture**	RANimp-FSEvo	TSG	Mon 09/09/02	Fri 06/06/03	5%	No	No			Woonhee Hwang, Nokia
2	23012	R3	Rel-6	No	**Rel6 RRM optimization for Iur and Iub**	RANimp-RRMopt	TSG	Fri 06/12/02	Fri 06/06/03	15%	No	Yes			Gert-Jan van Lieshout, Ericsson
3	23007	R3	Rel-6	No	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSTDDRRM	TSG	Fri 06/12/02	Fri 06/06/03	15%	No	No			Jim Miller, Interdigital
2	23010	R3	Rel-6	No	**Remote Control of Electrical Tilting Antennas**	RANimp-TiltAnt	TSG	Fri 14/03/03	Fri 05/12/03	0%	No	No			Andreas Hauser, Vodafone

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	23011	R3	Rel-6	No	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	RANimp-NACC	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Brendan McWilliams, Vodafone
1	32045	S2	Rel-6	No	**PS domain and IMS impacts for supporting IMS Emergency calls**	EMC1	TSG	Mon 14/08/00	Fri 12/12/03	11%	No	No			Miikka Poikselka, Nokia
2	1314	S1		No	**Service Requirements for IP-based emergency calls**			Mon 18/09/00	Fri 29/06/01	44%	No	No	22.976		
2	32046	S2		No	**Stage 2**		TSG	Wed 26/02/03	Thu 18/09/03	0%	No	No			Miikka Poikselka, Nokia
2	1653	N1	Rel-6	No	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			Mon 14/08/00	Fri 12/12/03	8%	Yes	Yes			Mr Rouzbeh, Ericsson
3	1315	N1		No	SIP emergency calls and packet emergency calls signalling flows			Tue 17/10/00	Fri 12/12/03	19%	No	No	TS 24.228		Mr Rouzbeh, Ericsson
3	1646	N1		No	Stage 3 for emergency calls and packet emergency calls in general			Mon 14/08/00	Fri 12/12/03	0%	No	No	TS 24.229		Rouzbeh Farhoumand, Ericsson
3	2528	N1		No	Stage 3 for Emergency calls without UICC/SIM in netw. with IMS	EMC-NOSIM		Mon 29/07/02	Tue 09/09/03	0%	No	No			
1	32023	S2	Rel-6	No	**Location Services enhancements 2**	LCS2	TSG	Mon 28/08/00	Fri 26/09/03	40%	No	No			
2	32024	S2		No	**Improvement on Le interface**		TSG	Mon 17/06/02	Mon 22/09/03	59%	No	No			
3	32051	S2		No	Stage 2			Mon 17/06/02	Mon 22/09/03	59%	No	No			
2	32001	S2		No	**Enhanced support for anonymity and user privacy**		TSG	Mon 04/06/01	Fri 19/09/03	5%	No	No			
3	32047	S2		No	Stage 2			Mon 04/06/01	Fri 19/09/03	5%	No	No			
2	32025	S2		No	**Enhanced inter-GMLC interface**		TSG	Mon 24/06/02	Fri 12/09/03	56%	No	No			
3	32048	S2		No	Stage 2			Mon 24/06/02	Fri 12/09/03	56%	No	No			
2	32012	S2		No	**Location Services support for IMS public identities**		TSG	Mon 24/06/02	Fri 29/08/03	8%	No	No			
3	32049	S2		No	Stage 2			Mon 24/06/02	Fri 29/08/03	8%	No	No			
2	32026	S2		No	**New area event for location service triggering reports**		TSG	Mon 03/06/02	Mon 01/09/03	60%	No	No			
3	32050	S2		No	Stage 2			Mon 03/06/02	Mon 01/09/03	60%	No	No			
2	32029	S2		No	**FS on applicability of GALILEO for LCS**			Mon 09/09/02	Fri 19/09/03	46%	No	No			
2	20001	RP	Rel-6	No	**UE positionning**	LCS2-UEpos	TSG	Mon 28/08/00	Fri 26/09/03	46%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	2457	R2		No	UE positioning enhancements - other methods	LCS2-UEpos-enh	TSG	Mon 28/08/00	Fri 26/09/03	10%	No	No		This is a building block without particular end date	M. Beckmann, Siemens
3	22002	R2		No	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	Mon 01/07/02	Fri 06/06/03	50%	No	No			David Bartlett, Cambridge Positioning Systems
3	2475	R2	Rel-6	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 06/06/03	90%	No	No			Meik Kottkamp, Siemens
1	50541	GP	Rel-6	No	**Uplink TDOA location determination for GSM/GPRS**	UTDOA	TSG	Fri 15/11/02	Fri 21/11/03	9%	No	No		Ongoing	Gross/Robinson, TruePosition, Inc.
2	50542	GP	Rel6	No	**Addition of U-TDOA in the CS domain**	UTDOA-CS		Fri 15/11/02	Fri 27/06/03	25%	No	No			
2	50543	GP	Rel-6	No	**Addition of U-TDOA in the PS domain**	UTDOA-PS		Fri 15/11/02	Fri 21/11/03	0%	No	No			
1	1571	S3	NA	No	**Security enhancements**	SEC1	TSG	Wed 03/01/01	Fri 14/03/03	27%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone
2	2026	S3	Rel-6	No	**Enhanced HE control of security (including positive authentication reporting)**			Wed 03/01/01	Fri 14/03/03	27%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone
3	2027	S3		No	Stage 2			Wed 03/01/01	Fri 14/06/02	0%	No	No		New end date and correct Release to be decided S3#18	
3	33006	S3	Rel-6	No	Network domain security	SEC1-NDS	TSG	Mon 17/06/02	Fri 14/03/03	80%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
4	33007	S3	Rel-6	No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Mon 17/06/02	Fri 14/03/03	80%	No	No	TS 33.210	Should be complete after SA3#27	
1	32021	S1	Rel-6	No	**IMS Phase 2**	IMS2	TSG	Mon 28/08/00	Thu 18/12/03	42%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
2	32027	S2		No	**Stage 2 of IMS Phase 2**			Mon 02/09/02	Fri 13/06/03	54%	No	No			
2	14014	N4	Rel-6	No	**New: Enhancements to the Cx and Sh interfaces**	IMS2-CCR	WG	Fri 06/06/03	Fri 12/12/03	10%	No	No		29./05/2003 CN4: New WID presented for approval at CN#20	
2	31025	S1		No	**IMS Group Management**	IMSGM	TSG	Thu 14/03/02	Fri 12/12/03	27%	No	No			Juha Kalliokulju (Nokia)
3	31026	S1		No	Stage 1 - TS on IMS group management		TSG	Thu 14/03/02	Mon 09/12/02	75%	No	No			Juha Kalliokulju (Nokia)
3	32036	S2		No	Stage 2			Thu 27/02/03	Fri 27/06/03	0%	No	No			
3	11036	N1		No	Stage 3 for IMS Group management (e.g. chat)			Fri 13/12/02	Fri 12/12/03	0%	No	No			
2	11037	N1		No	**IMS Conferencing**			Mon 04/11/02	Fri 12/12/03	31%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	32037	S2		No	Stage 2			Mon 04/11/02	Fri 27/06/03	47%	No	No			
3	32038	N1		No	Stage 3			Fri 13/12/02	Fri 12/12/03	20%	No	No			
2	31022	S1		No	**IMS Messaging**	IMSM	TSG	Thu 14/03/02	Fri 12/12/03	56%	No	No			Juha Kalliokulju (Nokia)
3	31023	S1		No	TR on support of messaging in the IMS	IMSM-TR	TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
3	31034	S1		No	Stage 1 22.340	IMSM-TS	TSG	Mon 11/11/02	Wed 11/12/02	95%	No	No	22.340		Juha Kalliokulju (Nokia)
3	31024	S1		No	CRs to existing 22-series specifications	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	75%	No	No			Juha Kalliokulju (Nokia)
4	31033	S1		No	CRs to 22.140 & 22.228	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	75%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)
3	32700	S2		No	Stage 2			Mon 04/11/02	Fri 27/06/03	44%	No	No			
3	11039	N1		No	Stage 3 for IMS Messaging			Fri 13/12/02	Fri 12/12/03	10%	No	No			
2	32005	S2		No	**IMS Local services**			Mon 01/01/01	Fri 12/12/03	55%	No	No	23.228		
3	32019	S2		No	Stage 2			Mon 01/01/01	Fri 29/03/02	100%	No	No			
3	11035	N1		No	Stage 3 for IMS Local services			Fri 13/12/02	Fri 12/12/03	0%	No	No			
2	11040	N1		No	**Additional SIP Capabilities support not covered by Rel-5**			Mon 11/11/02	Fri 12/12/03	30%	No	No			
3	32041	S2		No	Stage 2 for add SIP cap (e.g. forking)			Mon 11/11/02	Fri 27/06/03	45%	No	No			
3	32042	N1		No	Stage 3 for Additional SIP Capabilities			Fri 13/12/02	Fri 12/12/03	20%	No	No			
2	11041	N1		No	**Review additional SIP Capabilities against IMS**			Fri 13/12/02	Fri 12/12/03	0%	No	No			
2	2048	N3		No	**Interworking between IMS and IP networks**	IMS-CCR-IWIP	TSG	Mon 28/08/00	Fri 12/12/03	40%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
3	13004	N3		No	Interworking for 3GPP_SIP and IETF_SIP			Mon 28/08/00	Fri 12/12/03	70%	No	No	New TR 29.962	[DAB - 23.05.03] - TR is complete in CN	Thomas Belling, Siemens
3	13005	N3		No	Interworking for IPv6 to IPv4			Mon 28/08/00	Fri 12/12/03	10%	No	No	29.163	[DAB - 14.02.02] - Requirements still not clear from SA2	
2	13011	N3		No	**NOT CN3 -- Mm interface (CSCF to external IP multimedia network) -- NOT CN3**			Wed 14/03/01	Fri 12/12/03	38%	No	No		[DAB - 23.05.03] - IS NOT THE RESPO OF CN3	
3	11017	N1		No	CN1 part			Wed 14/03/01	Fri 12/12/03	38%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	2047	N3		Yes	**Interworking between IMS and CS networks**	IMS-CCR-IWCS	TSG	Mon 28/08/00	Fri 05/09/03	80%	No	No	29.163, 29.061, 24.228, and new CN4 specification	[DAB - 23.05.03] - Remove ITU dependancies	Brendan Mc Williams, Vodafone
2	14001	N4		No	**Mn interface (IM-MGW to MGCF) enhancements**	IMS-CCR-Mn		Mon 02/09/02	Fri 12/12/03	60%	No	No		"17th May 2002, CN4; Will be handled in Rel-6..."	Peter Schmitt, Siemens
2	14012	N4		No	**Mp (MRFC - MRFP) interface protocol definitions**	IMS-CCR-Mp		Mon 07/10/02	Fri 12/12/03	10%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)...	David Sanders, Vodafone
2	31036	S1		No	**Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6"**			Fri 15/11/02	Thu 12/12/02	75%	No	No			Juha Kalliokulju (Nokia)
2	33012	S3		No	**Lawful Interception in the 3GPP Rel-6 architecture**	SEC1-LI	TSG	Mon 09/12/02	Thu 18/12/03	10%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm
2	31042	S1		No	**IMS Subscription and access scenarios**			Mon 16/12/02	Fri 13/06/03	58%	No	No	22.800		
1	32015	S2	Rel-6	No	**Radio optimisation impacts on PS domain architecture**		TSG	Mon 10/12/01	Fri 19/09/03	63%	No	No			
1	11032	S2	Rel-6	No	**"Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""**	IMSCOOP	TSG	Mon 16/09/02	Fri 12/12/03	24%	No	No			Keith Drage, Lucent
2	32028	S2		No	**Stage 2**			Mon 16/09/02	Fri 04/07/03	60%	No	No			Balazs Beternyi, Nokia
2	11033	N1		No	**Stage 3**			Mon 14/10/02	Fri 12/12/03	0%	No	No			
1	1365	S1	Rel-6	No	**Support of Push Services**	PUSH	TSG	Wed 03/01/01	Fri 26/12/03	71%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
2	31004	S1		No	**Stage 1**			Wed 03/01/01	Fri 14/06/02	95%	No	No			
2	32000	S2		No	**TR on feasibility study**			Wed 03/01/01	Fri 07/09/01	100%	No	No		Stage 2 on hold, waiting for requirements.	
2	32701	S2		No	**Stage 2**			Mon 11/11/02	Fri 26/12/03	24%	No	No			Nick Alfano, RIM
1	42009	T2	Rel-6	No	**Multimedia Messaging (MMS) enhancements**	MMS6	TSG	Thu 15/08/02	Wed 10/03/04	13%	No	Yes			Josef Laumen, Siemens
2	42010	S1		No	**Definition of service requirements**	MMS6-SR		Fri 15/11/02	Sat 20/12/03	20%	No	No	22.140		
3	31031	S1		No	Definition of service requirements charging			Fri 15/11/02	Sat 20/12/03	20%	No	No	22.140		Josef Laumen, Siemens
2	42011	T2		No	**Technical realization**			Thu 15/08/02	Wed 10/12/03	20%	No	No	23.140		Josef Laumen, Siemens
2	42012	T2		No	**OMA dependencies**			Thu 15/08/02	Wed 10/03/04	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	42013	S4		No	**MMS formats and codecs**			Thu 15/08/02	Fri 13/06/03	15%	No	No	26.140		
1	42005	T2	Rel-6	No	**Rel-6 MExE enhancements**	MEXE6	TSG	Fri 08/03/02	Fri 06/06/03	100%	No	Yes			
2	42006	T2		No	**MExE Rel-6 Improvements and Investigations**	MEXE6-ENHANC	TSG	Fri 08/03/02	Wed 12/03/03	100%	No	Yes	22.057, 23.057		Lars Brenk (TTPCom)
2	42007	T2		No	**MExE Run-Time Independent Framework Feasibility Study**	MEXE6-RTIF	TSG	Fri 08/03/02	Fri 06/06/03	100%	No	Yes	22.857		Aaron Cohen (Intel)
1	2062	S5	Rel-6	No	**Subscription Management**	SM	TSG	Fri 29/12/00	Thu 25/09/03	30%	No	Yes	32.140, 32.141		Michael Eder (Nokia)
1	2499	S1	Rel-6	No	**Support of Presence Capability**	PRESNC	TSG	Mon 19/03/01	Fri 12/12/03	78%	No	No		"A Sultan merged ""Presence Service Enhancements"" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmts had same target completion date"	Mark Cataldo, Motorola
2	2501	S1		No	**Stage 1**			Mon 19/03/01	Fri 18/07/03	95%	No	No			
2	2502	S2		No	**Stage 2**		TSG	Wed 12/09/01	Fri 20/09/02	100%	No	No			
2	2503	N1		No	**Stage 3**			Mon 08/04/02	Fri 12/12/03	65%	No	No			Keith Drage, Lucent
2	2504	S3		No	**Security issues**			Mon 26/08/02	Thu 12/12/02	20%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	
2	2505	T3		No	**USIM issues**			Mon 04/03/02	Thu 20/06/02	0%	No	No			
1	50056	GP	TBD	No	**Enhanced A/Gb feasibility study**	AGbEnFS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No		Closed	J-L Carrizo, Vodafone
2	50057	G2		No	**Feasibility study on A/Gb enhancements**	AGbEnFS-FS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No			
3	50080	GP		No	Requirements for the support of conversational services			Fri 30/08/02	Fri 08/11/02	100%	No	No			
3	50084	GP		No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	100%	No	No			
3	50093	GP		No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	100%	No	No			
3	52081	G2		No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	52082	G2		No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	0%	No	No			
3	50081	GP		No	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)			Fri 30/08/02	Fri 08/11/02	100%	No	No			
3	50082	GP		No	Standardisation effort			Fri 30/08/02	Fri 08/11/02	100%	No	No			
3	50083	GP		No	Dependency to other features			Fri 30/08/02	Fri 08/11/02	100%	No	No			
1	50063	GP	Rel-6	No	**Flexible Layer One for GERAN**	FLOGER	TSG	Mon 03/01/00	Fri 21/11/03	30%	No	No		Nokia, Ericsson, Siemens, Telia	Benoist Sébire
2	50064	GP		No	**Realisation of a Flexible Layer One**	FLOGER-Real		Mon 03/01/00	Fri 27/06/03	40%	No	No		Started	Benoist Sébire
3	50065	GP		No	Technical Report			Fri 19/04/02	Fri 27/06/03	40%	No	No			
3	51002	G1		No	Architecture in 45.001 and 43.051			Fri 19/04/02	Fri 27/06/03	40%	No	No			
3	51003	G1		No	Multiplexing in 45.002			Fri 19/04/02	Fri 27/06/03	40%	No	No			
3	51004	G1		No	Channel Coding in 45.003			Fri 19/04/02	Fri 27/06/03	40%	No	No			
3	51005	G1		No	Performance Requirements in 45.005			Mon 03/01/00	Fri 27/06/03	40%	No	No			
3	51006	G1		No	Radio subsystem link control in 45.008			Fri 19/04/02	Fri 27/06/03	40%	No	No			
3	52071	G2		No	Requirements in 44.004			Fri 19/04/02	Fri 27/06/03	40%	No	No			
2	52072	G2		No	**Signalling and protocol support for a Flexible Layer One**	FLOGER-SigPro		Fri 19/04/02	Fri 27/06/03	30%	No	No		Started	Benoist Sébire
3	52073	G2		No	Modifications to RLC/MAC in 44.060 and 44.160			Fri 19/04/02	Fri 27/06/03	30%	No	No			
3	52074	G2		No	Modifications to RRC in 44.118 and 44.018			Fri 19/04/02	Fri 27/06/03	30%	No	No			
2	52075	S3, G2		No	**Security for a Flexible Layer One**	FLOGER-SecFLO		Fri 19/04/02	Fri 27/06/03	5%	No	No		Started	Benoist Sébire
3	52076	S3, G2		No	Ciphering in 44.160,44.118, 44.060 and 44.018			Fri 19/04/02	Fri 27/06/03	5%	No	No			
2	55077	"G4;G5"		No	**GERAN MS Conformance test for the Flexible Layer One**	FLOGER-Msconf		Fri 22/11/02	Fri 21/11/03	0%	No	No		Not started	Benoist Sébire
3	55078	"G4;G5"		No	MS Test in 51.010			Fri 22/11/02	Fri 21/11/03	0%	No	No			
2	55079	G3		No	**GERAN BTS Conformance test for the Flexible Layer One**	FLOGER-BTSconf		Fri 19/04/02	Fri 21/11/03	0%	No	No		Not started	Benoist Sébire
3	53080	G3		No	BTS Test in 51.021			Fri 19/04/02	Fri 21/11/03	0%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1	50041	GP	Rel-6	No	**Uplink TDOA feasibility study**	TDOAF		Fri 30/11/01	Fri 28/06/02	100%	No	No	45.811		Bob Gross, TruePosition, Inc.
1	2544	S1	Rel-6	No	**Multimedia Broadcast and Multicast Service**	MBMS	TSG	Fri 11/05/01	Fri 12/12/03	20%	No	No		Title renamed at SA#13	
2	2545	S1		No	**Stage 1**			Fri 11/05/01	Mon 01/04/02	99%	No	No	22.146, 22.101	This may or may not be a separate stage 1. In the meantime, CRs are proposed for 22.101	
2	32002	S2		No	**Stage 2**		TSG	Mon 24/09/01	Fri 19/09/03	71%	No	No			
3	32702	S2		No	TR on Architectural Study			Mon 24/09/01	Fri 23/08/02	100%	No	No			
3	32703	S2		No	Stage 2 Specification Work			Mon 19/08/02	Fri 19/09/03	47%	No	No			
2	2481	R2		No	**Introduction of MBMS in RAN**	MBMS-RAN	TSG	Tue 01/01/02	Fri 19/09/03	13%	No	No			Dimitris Koulakiotis, Nokia
2	11030	N1		No	**Support of the MBMS in CN protocols**		TSG	Tue 18/06/02	Fri 12/12/03	10%	No	No			
2	33008	S3		No	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	MBMS	TSG	Mon 01/07/02	Fri 28/02/03	20%	No	No		WID approved SA#17	Escott, Adrian, Hutchison 3G UK
2	50085	GP	Rel-6	No	**Support of MBMS in GERAN**	MBMS-GERAN	TSG	Fri 30/08/02	Fri 21/11/03	7%	No	No			
3	50086	GP		No	Impact on the logical and physical channels			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	51085	G1		No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 27/06/03	0%	No	No			
3	51086	G1		No	Simultaneous support of MBMS and non-MBMS services			Fri 30/08/02	Fri 27/06/03	0%	No	No			
3	52085	G2		No	Re-synchronisation at cell change			Fri 30/08/02	Fri 27/06/03	0%	No	No			
3	50087	GP		No	Decision making process between point-to-point or pont-to-multipoint configurations			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	50088	GP		No	MBMS channel allocations procedures to multiple MSs			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	50089	GP		No	Changes to the Gb interface			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	50090	GP		No	GERAN specific changes to the Iu-ps interface			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	50091	GP		No	Interaction between MBMS and Iu-flex			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	50092	GP		No	Security aspects			Fri 30/08/02	Fri 21/11/03	10%	No	No			
3	55091	G5		No	MS conformance tests			Fri 30/08/02	Fri 27/06/03	0%	No	No			
1	31006	S1	Rel-6	No	**Speech Recognition and Speech Enabled Services**	SRSES	TSG	Mon 03/01/00	Fri 26/09/03	23%	No	No			

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	32043	S2		No	**Why Stage 1 work on DSR, Stage 2 does not work and SA4 runs a codec competition?**			Mon 03/01/00	Mon 03/01/00	0%	No	No			
2	31007	S1		Yes	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	DSR	TSG	Mon 08/10/01	Fri 15/03/02	85%	No	No	22.941, 23.207, 22.243		D Williams, QUALCOMM, Inc.
2	32999	S2		No	**Stage 2**			Mon 24/02/03	Tue 23/09/03	0%	No	No			
2	11021	N1		No	**SES codec negotiation at SDP**			Mon 23/09/02	Wed 04/06/03	0%	No	No		renamed according to Hannu's indication	
2	34700	S4		No	**Codec Work to Support Speech Recognition Framework for Automated Voice Services**	SRSES-Codec	WG	Tue 15/10/02	Fri 26/09/03	25%	No	No	22.243		David Pearce, Motorola
1	31008	S1	Rel-6	No	**Generic User Profile**	GUP	TSG	Mon 08/10/01	Fri 12/12/03	38%	No	No			
2	31009	S1		No	**Stage 1 - Requirements**			Mon 08/10/01	Fri 30/05/03	88%	No	No	22.240, 22.228		Paul Amery (Orange)
2	42002	T2		No	**Stage 2 - Data Description Method**		WG	Mon 08/10/01	Wed 10/12/03	20%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA)
2	32008	S2		No	**Stage 2 - Architecture**			Mon 28/01/02	Fri 06/06/03	77%	No	No	23.240		Nacho Uzquiano (Telefonica)
2	42003	T2		No	**Stage 3 - Common objects**		WG	Mon 08/10/01	Wed 10/12/03	10%	No	No	24.241		
2	14008	N4		No	**Stage 3 - Network**			Mon 19/05/03	Fri 12/12/03	15%	No	No	29.240	17 May no activity in CN4...	
2	33009	S3		No	**Security Aspects**		WG	Tue 16/07/02	Thu 18/09/03	15%	No	No	33.102, 33.203, 33.210	WID approved SA#17. SA WG3 progress slow, depends on progress in other groups.	Owen, Bradley
1	31010	S1	Rel-6	No	**Digital Rights Management**	DRM	TSG	Mon 08/10/01	Fri 21/03/03	47%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
2	31011	S1		No	**Requirements**			Mon 08/10/01	Thu 13/06/02	95%	No	No			Nicholas Wood, Openwave Systems
2	31037	S1		No	**Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)**			Mon 19/08/02	Fri 21/03/03	0%	No	No			
2	33001	S3		No	**Security**			Mon 17/06/02	Mon 03/03/03	40%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
1	31012	S1	Rel-6	No	**WLAN-UMTS Interworking**	WLAN	TSG	Mon 03/01/00	Fri 12/12/03	65%	No	No			Fredric Paint, Telenor
2	31020	S1		No	**Technical Report**	WLAN-TR		Mon 03/01/00	Fri 13/06/03	95%	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor
2	31035	S1		No	**CRs to implement WLAN**	WLAN-CR		Mon 03/01/00	Fri 13/06/03	55%	No	No	22.934, 22.101, 22.105, 22.115		Fredric Paint, Telenor

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	32018	S2		No	Architecture Definition		TSG	Mon 25/03/02	Fri 20/06/03	72%	No	No			
2	32704	S3		No	Security		TSG	Mon 30/09/02	Fri 21/03/03	30%	No	No	21.133, 33.106, 33.107, 33.108, 33.200, 33.203, 33.210	Active contribution S3#24, S3#25. WID approved SA#17	Lopez-Soria, Luis, Ericsson
2	14013	N4		No	Stage 3 - CN4 aspects	WLAN-IW	TSG	Fri 23/05/03	Fri 12/12/03	15%	No	No	29.234, 29.061	WID approved at CN#19...	Rodriguez ,Raquel, Nokia
2	11042	N1		No	Stage 3 - CN1 aspects		WG	Fri 23/05/03	Fri 12/12/03	2%	No	No			
1	31015	S1	Rel-6	No	**Priority Service**	PRIOR	TSG	Thu 30/05/02	Fri 26/09/03	49%	No	No			
2	31016	S1		No	Feasibility Study	PRIOR-FS		Fri 14/06/02	Fri 14/06/02	98%	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies
2	31017	S1		No	Stage 1 - Requirements	PRIOR-SR		Thu 30/05/02	Mon 17/03/03	80%	No	No			James J. Garrahan, Telcordia Technologies
2	31041	S1		No	Priority Multimedia Service			Fri 28/03/03	Fri 26/09/03	0%	No	No			
1	31018	S1	Rel-6	No	**Network Sharing**	NTShar	TSG	Mon 20/01/03	Fri 19/12/03	37%	No	No			
2	31019	S1		No	Technical Report	NTShar-TR		Mon 20/01/03	Fri 19/12/03	48%	No	No	22.951		
2	31038	S1		No	Stage 1 - CRs to implement Network Sharing	NTShar-CR		Mon 20/01/03	Fri 19/12/03	70%	No	No	22.011, 22.101, 22.115, 22.129		
2	32044	S2		No	Stage 2			Thu 27/02/03	Thu 18/09/03	0%	No	No			
2	11043	N1		No	Stage 3		WG	Fri 23/05/03	Fri 12/12/03	0%	No	No			
1	32016	S2	NA	Yes	**QoS Improvements**	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	63%	No	No			
2	32017	S2	Rel-6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	63%	No	No			
1	33002	S3	Rel-6	No	**Support for subscriber certificates**	SEC1-SC	TSG	Mon 25/02/02	Thu 14/11/02	49%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
2	32705	S3		No	Stage 1			Mon 25/02/02	Thu 12/09/02	40%	No	No		Contribution received S3#24, S3#25	
2	32706	S2		No	Architecture review			Mon 14/10/02	Thu 14/11/02	100%	No	No			
1	15010	S1	Rel-6	No	**Rel-6 OSA enhancements**	OSA3	TSG	Tue 11/07/00	Fri 19/12/03	34%	No	No	22.127, 29.198, 29.998	TSG approval target 9/03->12/03. New Rapp. NP-030036 Rev WID replaces SP-020573.	Chelo ABARCA (Alcatel)

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	31040	S1		No	Scope of the Open Service Access Release 6		TSG	Fri 28/03/03	Fri 27/06/03	0%	No	No			
2	15011	S1		No	Support of a Generic Network Interface Function (Stage 1)		TSG	Wed 27/02/02	Mon 06/01/03	100%	No	No	22.127		
2	15023	N5		No	Support of a Generic Network Interface Function (Stage 3)		TSG	Thu 14/02/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15016	S1		No	User Data Management / User data security management (Stage 1)		TSG	Wed 27/02/02	Mon 06/01/03	100%	No	No	22.127		
2	15022	N5		No	User Data Management / User data security management (Stage 3)		TSG	Thu 14/03/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	2540	S1		No	Access to User Profile	OSA1-UP	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2	15024	N5		No	Retrieval of Visited Network capabilities		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15025	N5		No	Access to IP Session information		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15026	N5		No	Multi Media Messaging function		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15027	N5		No	Enhanced user privacy in LCS		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15028	N5		No	Policy management extensions		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15029	N5		No	Presence and Availability Management (from the PRESNC WI)		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15030	N5		No	Information Services		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15031	N5		No	Information Transfer		TSG	Thu 31/10/02	Fri 19/12/03	15%	No	No	29.198, 29.998		
2	15032	N5		No	OSA interfaces at different levels of abstractions (Parlay X, Web services)		TSG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT	
2	15033	N5		No	Introduction of migration support mechanism		TSG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT	
2	15034	N5		No	User Profile		TSG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT	
2	15035	N5		No	Network functions for end-user/application interaction support		TSG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT	
2	15036	N5		No	Framework Function for Federation		TSG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT	
2	15037	N5		No	Enhancements to IP Session Function in OSA for the control and monitor of IP Flows		WG	Fri 14/03/03	Fri 19/12/03	0%	No	No	29.198, 29.998	Added New WT. Ongoing S1 & S2 debate on Architecture support.	
2	15017	S3		No	Security		TSG	Thu 14/03/02	Fri 20/12/02	100%	No	No		Contribution at S3#25	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	1433	S2		No	**Retrieval of Terminal capabilities**	OSA1-TC	TSG	Tue 11/07/00	Fri 13/12/02	100%	No	No			
3	1434	S1		No	Stage 1		TSG	Tue 11/07/00	Wed 10/01/01	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
3	1436	N5		No	Stages 2 and 3		TSG	Fri 21/09/01	Fri 13/12/02	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
3	2122	T2		No	Provisionning of the terminal capabilities		TSG	Mon 02/04/01	Fri 13/12/02	100%	No	No	23.057	According to T2 SWG1 M. Cataldo this is automatically supported by the MExE support of UAProf therefore 100% complete	
1	32033	S2	Rel-6	No	**Handling of early UEs**	LATE_UE	TSG	Mon 09/09/02	Fri 27/06/03	56%	No	No			
2	32031	S2		No	**Feasibility Study**		WG	Mon 07/10/02	Fri 13/12/02	100%	No	No			
2	32032	S2		No	**Stage 2**		WG	Mon 06/01/03	Fri 27/06/03	24%	No	No			
2	22001	R2	Rel-6	No	**FS for the Early Mobile Handling in UTRAN**	FSEarlyUE	TSG	Mon 09/09/02	Fri 06/06/03	65%	No	No			Alan Law, Vodafone Ltd
1	50401	GP	Rel-6	No	**Addition of frequency bands to GSM**	TAPS	TSG	Fri 28/06/02	Fri 29/08/03	8%	No	No			Torben Themsen
2	50094	G1	Rel-6	No	**Addition of frequency bands to GSM – Changes to core specs**	TAPS-Specs	TSG	Fri 15/11/02	Fri 20/12/02	100%	No	No		Ready	Torben Themsen
3	51102	G1		No	Changes to core specs			Fri 15/11/02	Fri 20/12/02	100%	No	No			
2	54102	G4		No	**Addition of frequency bands to GSM – Changes for conformance tests**	TAPS-Conf		Fri 28/06/02	Fri 29/08/03	0%	No	No		Not started	Torben Themsen
3	54103	G4		No	51.010-1 Add testing			Fri 28/06/02	Fri 29/08/03	0%	No	No			
1	50130	GP	Rel-6	No	**Seamless support of streaming services in A/Gb mode**	SSStrea	TSG	Mon 03/01/00	Fri 19/12/03	83%	No	No			José Luis Carrizo Martínez, Vodafone
2	51131	G1		No	**Identification of requirements for streaming**			Fri 27/06/03	Fri 27/06/03	90%	No	No		Started	
3	51133	G1		No	Requirements			Fri 27/06/03	Fri 27/06/03	90%	No	No			
2	51132	G1		No	**Performance study of cell change mechanisms**			Mon 03/01/00	Fri 27/06/03	90%	No	No		Started	
3	51134	G1		No	Performance of NACC			Mon 03/01/00	Fri 27/06/03	90%	No	No			
3	51135	G1		No	Performance of cell change in DTM for the PS domain			Mon 03/01/00	Fri 27/06/03	90%	No	No			
3	51136	G1		No	Handover			Mon 03/01/00	Fri 27/06/03	90%	No	No			
2	52131	G2		No	**Reduction of service interruption times and packet loss during mobility procedures**			Fri 27/06/03	Fri 27/06/03	50%	No	No		Started	

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
3	52133	G2		No	Optimisations of existing mechanisms/procedures			Fri 27/06/03	Fri 27/06/03	50%	No	No			
3	52134	G2		No	Inter-system NACC			Fri 27/06/03	Fri 27/06/03	50%	No	No			
3	52135	G2		No	PS Handover (within GERAN and between GERAN and UTRAN)			Fri 27/06/03	Fri 27/06/03	50%	No	No			
3	52136	G2		No	Dependency to other features			Fri 27/06/03	Fri 27/06/03	50%	No	No			
2	54131	G4,G5		No	**MS conformance testing**			Fri 19/12/03	Fri 19/12/03	0%	No	No		Not started	
3	54132	G4,G5		No	MS conformance tests			Fri 19/12/03	Fri 19/12/03	0%	No	No			
2	33013	S3		No	**GERAN A/Gb mode security enhancements**			Thu 26/09/02	Thu 25/09/03	10%	No	No	33.102	Possible changes to 33.102 or new specification needed.	Peter Howard, Vodafone
1	34300	S4	Rel-6	No	**Performance characterisation of default codecs for PS conversational multimedia application**	CODCAR	TSG	Fri 13/09/02	Fri 26/09/03	20%	No	No	TR 26.9yz		Pasi Ojala (Nokia)
1	31029	S1	Rel-6	No	**Study of Feature Interactions Requirements**	FINTER	TSG	Fri 08/11/02	Mon 03/03/03	20%	No	No	TR 21.xyz		
1	31030	S1	Rel-6	No	**Study on Privacy Capability**	PrivCap	TSG	Fri 08/11/02	Mon 03/03/03	15%	No	No	TR 21.xyz		Liz Daniel, Lucent
1	35010	S5	Rel-6	No	**Rel-6 OAM&P**	OAM	TSG	Wed 12/06/02	Thu 18/03/04	24%	No	No	32-series	TSG approval 09/03->03/04	Michael TRUSS (Motorola)
2	35011	S5		No	**Rel6 Principles, high level Requirements and Architecture**	OAM-AR	TSG	Thu 12/09/02	Thu 18/03/04	20%	No	Yes	32.101, 32.102		Michael TRUSS (Motorola)
2	35012	S5		No	**Rel6 Performance Management**	OAM-PM	TSG	Thu 12/09/02	Thu 18/03/04	20%	No	No	32.41x, 52.402		Christian TOCHE (Nortel Networks)
2	35013	S5		No	**Rel6 User Equipment Management**	OAM-UEM	TSG	Thu 01/08/02	Thu 18/03/04	14%	No	No	32.150, 27.150 (T2), 32.802		John Mudge (Vodafone)
3	35020	S5		No	"UEM requirements and architecture; Stages 1 and 2"		TSG	Thu 12/09/02	Thu 18/03/04	20%	No	No	32.150 (SA5)		John Mudge (Vodafone)
3	33014	S3		No	Release 6 User Equipment Management: Security aspects	OAM-UEM-SEC	TSG	Thu 01/08/02	Thu 25/09/03	5%	No	No		created 15/01/03	Peter Howard (Vodafone)
2	35014	S5		No	**Rel6 Network Infrastructure Management**	OAM-NIM	TSG	Thu 12/09/02	Thu 18/03/04	15%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson)
2	35015	S5		No	**Rel6 Trace Management**	OEM-Trace	TSG	Wed 12/06/02	Thu 18/03/04	55%	No	No	32.42x, 52.008		Christian TOCHE (Nortel Networks)
1	35016	S5	Rel-6	No	**Charging Management**	CH	TSG	Thu 21/11/02	Thu 18/03/04	10%	No	No	32.2xy	TSG approval 09/03->03/04. Changed WID	Karl-Heinz NENNER (T-Mobile)
2	35017	S5		No	**Charging Management for Bearer level**	CH-BC	TSG	Fri 22/11/02	Thu 18/03/04	5%	No	No		Changed WID	Benni ALEXANDER (Nokia)

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	35018	S5		No	**Charging Management for the IMS**	CH-IC	TSG	Fri 22/11/02	Thu 18/03/04	5%	No	No		Changed WID	Ariel SHARON (Lucent)
2	35019	S5		No	**Charging Management for the Service domain**	CH-SC	TSG	Fri 22/11/02	Thu 18/03/04	5%	No	No		Changed WID	Gerald GÖRMER (Siemens)
2	32030	S2		No	**Overall architectural aspects of IP flow based bearer level charging**			Thu 21/11/02	Fri 20/06/03	44%	No	No			
1	1800	T3	NA	Yes	**Rel-6 UICC/USIM enhancements and interworking**	USAT1	TSG	Mon 25/09/00	Wed 17/09/03	58%	No	No			
2	1802	T3	NA	Yes	**UICC API**	USAT1-API		Wed 20/03/02	Wed 17/09/03	25%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
3	43001	T3		No	Java API Test specification			Wed 20/03/02	Fri 20/09/02	90%	No	No			Mario Pérez (Microelectrónica Española)
3	43003	T3	Rel-5	No	Java API Test specification (TS 43.019 Rel-5)			Thu 30/05/02	Wed 17/09/03	0%	No	No			Mario Pérez (Microelectrónica Española)
2	43004	T3	NA	No	**Rel-6 USIM toolkit enhancements**			Mon 25/09/00	Fri 27/09/02	80%	No	No			
3	502031	T3	Rel-6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	80%	Yes	Yes			
4	502032	T3		No	Specification		TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes		30/12/2000: completion amount updated	Neil Livingston – Aspects Software
4	502033	T3		No	Test specification		TSG	Mon 01/01/01	Fri 28/09/01	25%	Yes	Yes			Neil Livingston – Aspects Software
1	34022	S4	Rel-6	No	**Packet Switched Streaming Services Rel-6**	PSSrel6	TSG	Mon 18/11/02	Fri 19/12/03	31%	No	No			Olle Franceschi (Ericsson)
2	31039	S1		No	**Stage 1**		TSG	Mon 18/11/02	Mon 17/03/03	80%	No	No	22.233	2nd resp SA4	
2	32052	S2		No	**Stage 2**			Mon 10/03/03	Mon 07/07/03	0%	No	No		Streaming (non-transparent aspects). Stage 2 to be done by SA2 (if needed)	
2	34024	S4		No	**Stage 3**	PSSrel6	WG	Fri 13/12/02	Fri 19/12/03	25%	No	No	26.233, 26.234, 26.244, 26.245, 26.246		Olle Franceschi (Ericsson)
1	33017	S3	Rel-6	No	**"Network Domain Security; Authentication Framework (NDS/AF)"**	SEC1-NDS-AF	TSG	Fri 15/02/02	Fri 19/12/03	10%	No	No		WID approved SA#19. Work started after FS approved SA#18	Tommi Viitanen, Nokia
1	34023	S4	Rel-6	No	**AMR-WB extension for high audio quality**	AMRWB+	WG	Fri 13/12/02	Fri 26/09/03	20%	No	No			Janne Vainio (Nokia)
1	51101	"GP;G1"	Rel-6	No	**Single Antenna Receiver Interference Cancellation (SAIC)**	SAIC	TSG	Fri 15/11/02	Fri 21/11/03	25%	No	No		Ongoing	Marc Grant, Cingular Wireless
1	50500	GP	Rel-6	No	**Support of Conversational Services in A/Gb mode via the PS domain**	SCSAGB	TSG	Fri 07/02/03	Fri 23/04/04	2%	No	No			David Bladsjö, Ericsson

X	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	50501	GP		No	**Creation of a TR**	SCSAGB-TR	TSG	Fri 07/02/03	Fri 21/11/03	5%	No	No		Started	David Bladsjö, Ericsson
2	50502	GP		No	**Stage 2**	SCSAGB-Stage2	TSG	Fri 21/11/03	Fri 23/04/04	0%	No	No		Not Started	David Bladsjö, Ericsson
2	50503	GP		No	**Radio Channel Support**	SCSAGB-RCS	TSG	Fri 06/02/04	Fri 23/04/04	0%	No	No		Not Started	David Bladsjö, Ericsson
2	50504	"GP;G2"		No	**Definition of radio resource management functionality**	SCSAGB-RRM	TSG	Fri 06/02/04	Fri 23/04/04	0%	No	No		Not Started	David Bladsjö, Ericsson
2	50505	GP		No	**PS Handover**	SCSAGB-PSH	TSG	Fri 06/02/04	Fri 23/04/04	0%	No	No		Not Started	David Bladsjö, Ericsson
2	50506	"GP;G2"		No	**Modifications to FLO**	SCSAGB-FLO	TSG	Fri 06/02/04	Fri 23/04/04	0%	No	No		Not Started	David Bladsjö, Ericsson
1	12006	S1	Rel-6	No	**Enhancement of dialled service for CAMEL**	EDCAMEL	TSG	Fri 28/03/03	Fri 19/09/03	30%	No	No			Craig Bishop, Samsung Electronics Research Institute
2	12007	N2	Rel-6	No	**Stages 2 and 3**			Fri 28/03/03	Fri 19/09/03	30%	No	No			