Technical Specification Group Services and System Aspects

Meeting #24, Seoul, South Korea, 07 - 10 June 2004 ***Draft Report - v0.0.5rm***

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Contents

Draft Report

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the meeting and thanked the hosts, TTA for inviting TSG SA to Seoul, South Korea and provided the domestic arrangements for the meeting.

2 Approval of the Agenda

TD SP-040339: Revised Draft agenda for TSG SA meeting#24. The draft agenda was introduced by the TSG SA Chairman, and was reviewed and approved.

The TSG SA Chairman noted that only one candidate had been received so far for the Vice Chairman post and informed delegates that candidatures would be received up to the afternoon session, where an election or appointment would be made for this post (see Agenda Item 9.1).

The TSG SA Chairman reminded delegates of their companies obligations under their SDO's IPR policies:

IPR Declaration:

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.

- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

3 Approval of the meeting report of TSG-SA Meeting # 23

TD SP-040228: Draft Report for TSG SA meeting #23. The draft Report of the previous meeting of TSG SA was reviewed and approved.

4 Items for immediate consideration

There were no specific contributions under this agenda item, although the TSG SA Chairman noted that some priority of handling of items under agenda item 7 was needed in order to handle related contributions.

5 Reports from TSG SA ad-hoc meetings, workshops and Electronic Meetings

TD SP-040235: Result of Release Process Discussion. This was provided and introduced by Iain Sharp (Nortel Networks), the Chairman of the e-mail discussion. The discussion was set up as a result of the concept of “Early Implementation” described in sections 3.1 and 4.1 of TD SP-040053 and aimed to try to converge on a practical way of implementing this in 3GPP. This report contained the output of the e-mail discussion since TSG SA meeting #23. The need to produce a Technical Report for Early Implementation was questioned, as the management of this could be a considerable overhead for maintenance of changes to the report. It was clarified that if 3GPP agreed that certain Features were possible and provided guidance on it, this did not imply that early implementation of other Features is not possible (i.e. the "*early implementable*" list would not be exhaustive, but contain those Features which were considered useful by 3GPP Members. The discussion also concluded that early implementation candidates should be identified at an early stage, i.e. when the WIDs are created. It was also clarified that the intention was that the TR would

belong to the Release of the Feature and not earlier Releases. It was agreed that the proposal should be adopted. This raised the following questions:

1. Should the Work Plan be changed to handle these items?
   The Work Plan manager was asked to consider this and provide proposals for identifying and managing this in the Work Plan.
2. Should the TRs be and 8xx or 9xx series TRs?
   The Specifications Manager had no strong objection to either. The difference is that the 9xx series TRs are candidates for transposition by the SDOs whereas the 8xx series are internal to the 3GPP project and not transposed by the SDOs. It was commented that the Reports would be useful on an ongoing basis after the completion of the Release Specification by 3GPP and should not be withdrawn as soon as the related Release is completed. It was pointed out that the numbering system could be adapted to fit the requirements and this could be left for future consideration when some experience in the use of the Reports has been gained.
3. Maintenance of the TR:
   The system will rely upon the correct and accurate completion of CRs to indicate the Work Item(s) affected so that they can be traced by the TRs. This would imply that each CR which is related to the WID would produce the need for another CR to update the list in the TR. It was suggested that a Web-based tool could be used for this and referred to from the TR to eliminate this maintenance overhead. It was summarised that the key need is to have a list of the specifications impacted. The CRs to these Specifications can be found from reference to the current CR database and this could be used for up-to-date lists of CRs. This compromise solution was agreed.

It was concluded that the proposals of the report of the e-mail discussions were agreed. The TRs would start off as 8xx series and they could be changed to 9xx series or some other numbering series if TSG SA agree this is necessary in the future. MCC were requested to inform the WGs of this new mechanism and to underline the importance of the correct use of WI codes in CRs and the information needed in future WI sheets.

6 Letters / Reports from other groups

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

TD SP-040230: LS from T WG2: 3GPP WLAN interworking. This was provided for information and was introduced by the TSG SA Chairman. It was noted that liaison between SA WG2 and T WG2 was ongoing and the LS was noted.

6.2 Partners and their bodies

TD SP-040441: Draft summary minutes, decisions and actions from 3GPP Project Coordination Group Meeting#12, St Paul de Vence, 14 April 2004. This was briefly introduced by the TSG SA Chairman and was noted. Members were invited to read the report.

TD SP-040442: Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#11, St Paul de Vence, 15 April 2004. This was briefly introduced by the TSG SA Chairman and was noted. Members were invited to read the report.

6.3 Others

TD SP-040229: LS from ITU-T SSG Chairman: Request for new information for draft Recommendation Q.1741.4 (referencing of 3GPP Release 6, system and services aspects and core networks aspects). A related LS from TSG CN was provided in TD SP-040416 which was considered with this LS.

TD SP-040416: LS (from TSG CN) on Input to Q.1741.4. This was introduced by the TSG CN Chairman. The TSG T Secretary was asked to forward this to TSG T for consideration with their inputs to Q.1741.4. These LSs were then noted. **<Check with Niels who this goes to>**

TD SP-040232: LS from OMA Release Planning and Management Committee: OMA dependencies on 3GPP deliverables. OMA asked TSG SA to review the procedure described in the Liaison Statement and to provide feedback on the questions/comments that were raised. OMA also welcomed any other feedback that TSG SA may have on the listed OMA dependencies towards 3GPP work. It was decided that this should be reviewed by relevant members during the meeting (in particular those from the impacted WGs) and comments collated. The TSG CN Chairman agreed to lead a discussion group on this and provide a document to TSG SA later in the meeting. This was provided in TD SP-040444 and was reviewed and modified slightly in TD SP-040473 which was modified to accept and remove the revision marks in TD SP-040478 and approved.

TD SP-040420: 3GPP Dependencies on OMA Deliverables. This was introduced by Iain Sharpe, Nortel Networks, who had collated the dependency list from comments received. He reported that due to other responsibilities he could not maintain this document. It was suggested that an extract from the 3GPP Work Plan could be used to provide the dependencies. Iain Sharpe was thanked for his work on this list which was noted.

TD SP-040418: Request for mutual liaisons between IEEE Media Independent Handover Services Project (IEEE 802.21) and 3GPP. This was introduced by the TSG SA Chairman and informed 3GPP that the IEEE 802.21 project are currently in the process of writing the systems requirement for the project, which was expected to be completed in the next couple of months. The first draft of the standard was expected to be completed by October 2005, with a target to publish the final standard by March 2006. TSG SA were asked to provide a list of the specific groups with which liaison should be established. It was commented that until more information is known about the work, the specific WGs which should be involved could not be easily identified. It was noted that the LS did not ask 3GPP to inform them of the work ongoing in this area, but only to establish liaison with the groups with expertise in the areas affected by their work. A response LS was provided in TD SP-040443 which was reviewed and modified editorially with reference to the next meetings of the relevant WGs in TD SP-040474 which was approved. The PCG will be asked to include 802.21 on the authorised 3GPP liaison list.

TD SP-040424: LS (from GSMA SCAG) to 3GPP-SA on USAT data presentation enhancements. This was introduced by the TSG SA Chairman and asked TSG SA to consider their concerns concerning the possibility for the USAT to ask the terminal to display a MM (or an element of an MM) stored in the UICC. It appeared to SCAG that this requirement has not yet been introduced in the Rel-6 3GPP specifications. It was reported that this had been rejected in SA WG1 (TD S1-040424). It was also noted that the CR provides the USAT with full control of the ME display and some issues over storing ongoing downloads for later display or stopping running applications (e.g. ongoing game play) existed. It was noted that some companies who are interested in this proposal who were not present during the SA WG1 discussions should contribute to the next SA WG1 meeting to try to come to an agreement on the support of this. It was noted that there were 5 supporting companies listed on the CR. Swisscom and TIM **confirmed** their support for this CR. The LS was then noted and companies asked to consider this for further discussion in SA WG1.

TD SP-040435: Mobile Phones and Child Protection. This was introduced by J. Meredith, MCC and asked 3GPP and other bodies to take into account the need to protect certain groups when using 3GPP services.

It was noted that 3GPP do not normally deal with the content of communication for the 3GPP specifications. Those providing applications and content will have the possibility to identify the subscribers who may use the applications (e.g. Privacy feature and authentication mechanisms) and the groups dealing with Applications and Content should be made aware of this request (e.g. OMA). The LS was then noted. **<Check with Niels>**

TD SP-040438: Reduction of crime risk. This was introduced by J. Meredith, MCC. Together with the other European Standards Organizations, ETSI has received from the European Commission a draft mandate to produce standards relating to the reduction of crime risk in the design of products. The mandate, produced very recently by Directorate-General for Justice and Home Affairs, was annexed to the contribution. It was noted that the areas relevant to 3GPP included IMEI registration, Location services, Lawful Interception and Authentication and 3GPP WGs should take this mandate into account in their work. The document was then noted and affected Members were asked to study any impacts on the 3GPP work and contribute to the appropriate WGs.

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-040282: Status report of SA1 to SA #24. The report on activities of SA WG1 was provided by the SA WG1 Chairman, using the slides provided in TD SP-040281.

Actions on WG1 allocated during TSG SA#23:

- SA1 should consider document SP-040055 "CEPT/ECC consultation on use of short codes" and check if there is any impact on the current specifications. The issue was analysed in the Messaging SWG and it was concluded that no action is required. An LS on this issue, containing a proposed response to CEPT ECC, is provided for the consideration of TSG SA#24. CLOSED.
- The GSM Association sent a LS on I-WLAN scenario 3 to SA where they listed a number of services that are considered important by the operators community. A discussion took place in the WLAN SWG and it was agreed to add a definition of PS based services. This was considered sufficient to fulfil the operators' requirements. CLOSED.
- Use of the UTRAN to discover WLAN access networks. The issue was discussed in the WLAN SWG and it was agreed that this capability has to be supported by detailed requirements explaining the expected user experience and the required functionality. It is expected that the discussion will continue at SA1#25. There was insufficient interest in progressing this issue further at this time. CLOSED.
- PLMN selection in I-WLAN A CR was prepared to TS 22.234 and distributed to CN1, T3 and SA2. More on this in slide 27 CLOSED (subject to the approval of the CR and other WGs feedback).
- Single definition of Radio Access Technology. This issue was discussed but no CR was agreed. ONGOING.
- Use of RAT in background scan. SA1 has analysed the impacts identified by CN1 and has agreed a number of change requests to 22.011 aimed to mitigate the undesired side effects as well as to solve some problems that may occur (CR 65 and CR 59 are conditionally approved). A liaison statement has been sent to CN1 asking for their expert opinion on this issue. CLOSED (subject to the approval of the CRs and CN1 feedback).
- Requirements for MMS private addressing schemes. A discussion took place on the email reflector where use cases for this feature were also presented. During the Messaging SWG a CR to 22.140 was agreed. CLOSED (subject to the approval of the CR).
- Requirements for multi-system UE. SA1 has discussed the issue of multi-system UEs and agreed to initiate a WID to explore this area in detail. Furthermore SA1 has agreed a preliminary CR to 22.011 that covers some of the concerns raised during the discussion of the 3GPP – 3GPP2 selection at SA#23. ONGOING.
- Transfer of PLMN selection for I-WLAN from 22.011 to 22.234. Some text on PLMN selection in I-WLAN was still present in 22.011 even if it was more appropriate for the TS 22.234. Since this TS was only approved at SA#23, and in order not to lose the requirement the transfer was performed at this meeting. CLOSED.

Questions and comments:

Slide 27: PLMN selection in I-WLAN: SA WG1 had tried to follow the procedure for PLMN selection described in 22.011 and it was attempted not to specify the WLAN access network selection which was considered not in the scope of SA WG1. Two additional lists have been introduced for prioritisation of PLMNs providing I-WLAN, however they are not mandatory for PLMN selection with an I-WLAN. A related WID and CR were proposed by SA WG1 and alternative proposals in other contributions. This was dealt with under agenda item 7.1.3.

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-040233: LS from SA WG1: PLMN selection and background scan. This was provided for information and was noted.

TD SP-040234: LS (from SA WG1) on CEPT/ECC consultation on use of short codes. This was introduced by the SA WG1 Chairman and asked TSG SA to respond in a similar manner as SA WG1 to the CEPT ECC,

that it is almost certainly too late, at this stage, to harmonise the mobile network short code number services across Europe. A supporting contribution was provided by T WG2 in TD SP-040419 which was also considered. This was then noted.

TD SP-040419: LS from T WG2, forwarded to TSG SA from TSG T: Short Codes for SMS,MMS and USSD. This was introduced by the T WG2 Secretary and agreed with the conclusions reached by SA WG1, which that introduction of this requirement is unlikely to succeed in the near term. This was provided by TSG T to TSG SA for information and was noted.

7.1.3 Approval of contributions from TSG-SA WG1

CRs:

TD SP-040283: CRs to 22.004 on SS explicabilities to Voice Group Services (Rel-4). These CRs were approved.

TD SP-040284: CRs to 22.078 on SCUDIF corrections for CAMEL interworking (Rel-5/Rel-6). These CRs were approved.

TD SP-040285: CRs to 22.078 on Preconditions for connecting a held party to the group (Rel-5/Rel-6). These CRs were approved.

TD SP-040286: CRs to 21.905 on Definitions and abbreviations (Rel-6). It was commented that WLAN UE Classes (CR058) are subject to another proposal to remove these from the specifications. This part of the changes of CR058 was removed and the updated CR provided in TD SP-040449. CR057 was approved.

TD SP-040449: Revised CR058 to 21.905: Addition WLAN UE definition and classes of equipment and abbreviation. It was noted that the CR cover page did not reflect the correct revision of the CR which should be CR058 Rev 1 so the CR was revised again (CR058 Rev 2) in TD SP-040476 which was approved.

TD SP-040287: CRs to 22.011 on PLMN selection and background scan (Rel-6). CR059: It was commented that it was premature to add this functionality and more discussion on this was needed to determine any use-cases, which had not yet been identified in SA WG1. Motorola responded that as there are no TDD MEs in the market at present, then this is the best time to introduce this and it would not be practical to introduce such a codepoint into the network once MEs have been deployed. The change would not impact anything and this would be the only opportunity to include this functionality and TSG SA should take this into account when accepting or rejecting this CR. After some discussion it was decided to reject CR059. **TSG SA noted that the introduction of such functionality at a later stage would be very problematic and could result in the presence of MEs which behave differently in the market.** CR065 received no support and was also rejected. CRs 058, 060 and 061 were approved.

TD SP-040288: CR to 22.101 on Correction of UICC related text (Rel-6). This CR was approved.

TD SP-040289: CR to 22.127 on Correction of open ended OSA high abstraction requirement (Rel-6). This CR was approved.

TD SP-040290: CRs 22.140 on Multimedia Messaging (Rel-6). CR044 was discussed and revised in TD SP-040450 and CR045 and CR046 were approved.

TD SP-040450: Revised CR044 to 22.140: Support of MMS operator specific services on A. This CR was approved.

TD SP-040291: CR to 22.146 on Addition of a concept regarding UE joining time (Rel-6). This CR was approved.

TD SP-040292: CR to 22.228 and 22.101 on correction of Rel-5 reference to USIM in Rel-6. These CRs were approved.

TD SP-040293: CR to 22.228 on Duplicated scenarios of Annex A (Rel-6). This CR was approved.

TD SP-040294: CRs to 22.234 on WLAN (Rel-6). 3 commented that the proposal in CR004 was out of scope for 3GPP and suggested to revise the text to state this. There was some discussion over the use of SSID lists in different scenarios. The issue was considered in need of more in-depth discussion and interested Members were asked to take this discussion to SA WG1 for resolution. CR004 was discussed off-line to try to provide an acceptable proposal and was revised in TD SP-040475. CR002 and CR003 were approved.

TD SP-040422: Selection of a PLMN accessed via an I-WLAN. This was used during the discussions of TD SP-040294 and was noted. TD SP-040423 was withdrawn as the requirements were included with the revision of TD SP-040294 in TD SP-040475.

TD SP-040475: CR004R1 to 22.234 on WLAN (Rel-6). This CR was approved. It was requested that it be noted that in the case that two WLANs are related to the same PLMN then there is still some debate on whether there is a need for specification on how to select the WLAN. Additionally concern was raised of only requiring a operator controlled SSID list as the SSID preference might be different on a per user basis. Also some inconsistency in the use of the terminology UICC/USIM was noted and SA WG1 were requested to review the specification. Any detailed clarifications to this mechanism should be contributed to SA WG1.

TD SP-040295: CRs to 22.011 and 22.234 on Priority usage of UICC parameters for I-WLAN (Rel-6). These CRs were approved.

TD SP-040296: CRs to 22.950 on Priority Feasibility Study (Rel-6). These CRs were approved.

TD SP-040297: CRs to 22.952 on Priority Service Guide (Rel-6). These CRs were approved.

TD SP-040298: CR to 22.011 on Support of multiple HPLMN codes in EF_HPLMNwAcT (Rel-7). This CR was approved. After many comments and discussion, it was noted that equivalent PLMN identification mechanisms were in need of further consideration and Members were asked to consider this and provide contribution to SA WG1.

TD SP-040299: CR to 22. 011 on Multimode terminals with 3GPP capability (Rel-7). This CR was approved.

TD SP-040300: CR to 22.071 on Accuracy of information and Indication of capability (Rel-7). This CR was approved.

TD SP-040301: CR to 22.101 on Location privacy for emergency calls (Rel-7). This CR was approved. It was noted that any new terms introduced by this CR should be included in TR 29.905. SA WG1 were asked to check this and provide any necessary CR.

Work Item Descriptions:

TD SP-040302: New WI on Network Protection against Virus Infected Mobiles. It was commented that the intention was to disable MEs when necessary on criteria to be decided by the Operator, rather than detecting the particular behaviour of a "badly behaving" ME and not limited to potential virus activity on the ME. After an off-line discussion a new proposal was provided in TD SP-040470 which was reviewed and revised in TD SP-040477 which was approved.

TD SP-040303: New WI on All-IP Network Feasibility Study. It was commented that the term "All-IP" was not clearly defined in 3GPP. SA WG1 intend to better define this as part of the work on this WI. This WI description was approved.

TD SP-040304: New WI on Enhancements of VGCS in public networks. This WI description was approved.

TD SP-040305: New WI on Adding media to CS calls and IPMM sessions. It was clarified that of the related SA WG2 contributions, TD SP-040329 contained a combined WI proposal and TD SP-040330 separated proposal, dependent on the decision of TSG SA. It was suggested that these issues are taken independently and decisions on this WI reviewed after discussion of related contributions. It was discussed and generally felt best if this is kept as a single Feature and two building blocks. It was also suggested that the Building Blocks start as feasibility studies to clarify the direction and use-cases envisaged for the work. It was agreed that the feasibility studies should be re-structured off line. As a result of these discussions, a Feature feasibility study in TD SP-040465 and two building blocks in TD SP-040466 and TD SP-040467 were provided and were introduced by Lucent Technologies. The documents were reviewed and TD SP-040465 and TD SP-040467 were approved and SA WG1 and SA WG2 were asked to review and propose any

necessary updates (i.e. Charging aspects and editorial corrections). TD SP-040466 was revised in TD SP-040479 and was approved.

TD SP-040306: New WI on Multi system mobile stations. It was clarified that this was intended to study the automatic selection of modes by integrated ME functionality, rather than (automatically) powering off one mode and powering up a second mode. It was suggested that the WID is approved at TSG SA and SA WG1 asked to clarify the WID in line with comments made. This was agreed as a way forward and the WI description was approved. SA WG1 were asked to update the WID based on comments made at TSG SA and contributions received on this at their next meeting. It was noted that this is to develop a feasibility report on the issue. **Axalto also confirmed their support for this WI.**

TD SP-040307: New WI on Network Selection Preferred List. It was commented that this seemed to propose the addition of GPRS as a RAT, and linked to ongoing discussions in this area. It was also commented that the discussions on Network Selection ongoing on this area which suggested that the WID was premature and should await the result of these discussions. It was clarified that the WI did not intend to provide a solution for Network Selection issues. It was also commented that the WID does not take into account the MMI aspects. It was also suggested that GPRS should be removed as this issue could be reported to the GSMA before determining if a specification-based solution is needed, when the major problem for GPRS is related to roaming agreements. It was decided to send this back to SA WG1 for re-discussion and clarification of the intention of the work.

TD SP-040308: New WI on A-GNSS concept to extend A-GPS to include GALILEO. The SA WG2 Chairman reported that SA WG2 already have a feasibility study on GALILEO and have not received feedback from other groups. This was noted. This WI description was approved.

TD SP-040309: New WI on LCS for 3GPP Interworking WLAN. It was commented that LCS was originally introduced because of regulatory requirements which do not currently exist for WLAN. It was clarified that Emergency Services were not included in this WID proposal. This WI description was approved.

7.2 TSG-SA WG2

7.2.1 Report from TSG-SA WG2 and review of progress

TD SP-040311: Status report of SA WG2 to TSG SA #24. The report on activities of SA WG2 was presented by the SA WG2 Chairman.

Questions and comments:

Slide 23: SCUDIF: Service Change for UDI Fallback. This mechanism switches (falls back) from Circuit Switched Video in case of roaming from UTRAN to GERAN, for example.

Slide 22: POC work progress. It was asked whether SA WG2 were going to create a WI for POC. The SA WG2 Chairman replied that SA WG2 were still studying the issue and would create WI(s) if it is found that this is needed for GPRS access to the POC service.

The SA WG2 Chairman clarified that the items marked as Release 7 in his report were dependent upon any agreements in TSG SA to accept them for Rel-6.

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

7.2.2 Questions for advice from TSG-SA WG2

TD SP-040410: LS (from SA WG2) on transferring the OSA stage 2 responsibility to 3GPP TSG CN WG5. This was introduced by the SA WG2 Chairman and proposed transferring responsibility of TS 23.127 to CN WG5 due to lack of expertise in SA WG2. The TSG CN Chairman reported that this had been seen in TSG CN, but CN WG5 had not yet discussed this and a decision was expected in September 2004. TSG SA agreed that this was acceptable as long as CN WG5/TSG CN agree to take the responsibility for the TS.

TD SP-040411: LS (from SA WG2) on interim IMS security. This was introduced by the SA WG2 Chairman and asked TSG SA for guidance on how interim IMS security solutions are to be taken into account in 3GPP specifications. Also, guidance was sought regarding possible involvement of SA WG1 in this matter to clarify the requirements. TSG SA discussed the potential problem of implementations which do not fully implement

the security requirements for IMS, but no real detail of the reasons for not implementing the 3GPP IMS security was not provided in the LS. It was explained that the use of SIM for IMS access had already been discussed and was not agreed in 3GPP due to security concerns. SA WG3 and SA WG2 were asked to study the problem and requested that manufacturers explain the reasons why this is a problem (i.e. why the IMS security features are not implemented).

It was recognised that the specifications could be modified if there is a real market need to implement IMS access using SIM security. It was generally agreed that inclusion of this in the IPv4/IPv6 TR was not adequate and if information about SIM access to IMS was required, then there should be a feasibility study and a new TR created. SA WG2 were asked to provide more background on the reasons why "early implementations" cannot implement the agreed mechanisms. Members were asked to provide more information to SA WG2 and SA WG3 on the actual requirements in the market.

7.2.3 Approval of contributions from TSG-SA WG2

TSs and TRs:

TD SP-040332: TR 23.898, “Access Class Barring and Overload Protection”, Version 1.0.0. This TR was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG2.

TD SP-040333: TR 23.979, "3GPP enablers for OMA PoC Services", Version 1.0.0. This TR was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG2.

TD SP-040336: TR 23.801, "Potential Mechanisms for CS Domain Video and Voice Service Improvements", Version 1.0.0. This TR was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG2.

TD SP-040445: TR 23.977, "Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)", version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040335: TS 23.251, "Network Sharing", Version 2.0.0. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040337: TR 23.981, "Interworking aspects and migration scenarios for IPv4 based IMS Implementations", Version 2.0.0. O2 commented that the dual-stack (IPv4/IPv6) implementations were not expected to be realised for Rel-6 and asked if other companies had any issues on the TR on the IPv4 IPv6 issues. It was commented that clear requirements on the terminal were sought by manufacturers, as the IPv4/IPv6 support requirements were unclear. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). Concerns on the text should be addressed to SA WG2 and clarification/correction CRs provided, if necessary.

CRs:

TD SP-040312: CRs on 23.002 (Network Architecture). These CRs were approved.

TD SP-040313: CRs on 23.060 (GPRS/PS domain stage 2). These CRs were approved.

TD SP-040314: CRs on 23.125 (IP flow based charging). CR003, CR012 and CR014 were found to have conflicting changes and were amalgamated for clarity in TD SP-040458. The remaining CRs were approved.

CR037 : Siemens commented that policy control functionality are already provided by Go interface. The CR so far only changes the informative annex. No normative changes to flow-based charging in the 3GPP Rel-6 time frame is expected. This comment was noted.

TD SP-040458 Revision of CR003, CR012 CR014 to 23.125 (combination CR). This contribution combined the CRs into a single CR which included all the intended changes in order to overcome the implementation issues. This CR was approved.

TD SP-040315: CR003, CR012 and CR014 on 23.125 (IP flow based charging). **<RETURN>**

TD SP-040315: CR on 23.127 (OSA stage 2). This CR was approved.

TD SP-040316: CRs on 23.141 (Presence). These CRs were approved.

TD SP-040317: CRs on 23.207 (End to end QoS). These CRs were approved.

TD SP-040318: CRs on 23.221 (Architecture Requirements. These CRs were approved, **SA WG2 were asked to create a Rel-5 version of this TR, removing any Rel-6 only content from the Rel-6 TR 23.221.**

TD SP-040319: CRs on 23.228 (IMS Stage 2). These CRs were approved.

TD SP-040320: CRs on 23.234 (WLAN Interworking). It was clarified that SA WG1 had been consulted on CR043 and a reply to the requirement for this feature was awaited. CR043 was therefore postponed and SA WG2 were asked to re-submit it to the next meeting if SA WG1 confirmed the requirement. A comment on CR053 was provided in TD SP-040412, and a proposed revision in TD SP-040454. The other CRs were approved.

TD SP-040412: Discussion on architecture issues for NSAPI usage on the Gn' interface. This was introduced by Vodafone and discussed issues in CR053 to 23.228. A revised proposed CR was provided in TD SP-040454 which was approved.

TD SP-040321: CRs on 23.240 (GUP stage 2). These CRs were approved.

TD SP-040322: CRs on 23.246 (MBMS stage 2). These CRs were approved.

TD SP-040323: CRs on 03.70 and 23.271 (LCS stage 2). It was clarified that for CR047, no Release 1998 CR had been considered necessary. These CRs were approved.

TD SP-040324: CRs on 23.851 (Network Sharing. These CRs were approved.

TD SP-040446: CR on 23.976 (PUSH stage 2). This CR was approved.

TD SP-040417: CR 051 on TS23.234. This was introduced by Telefónica Móviles Spain. This CR had been sent to the SA WG2 e-mail list and no comments had been received so far. It was therefore proposed that Telefónica contribute this to SA WG2 for discussion at their next meeting.

Work Item Descriptions:

TD SP-040327: Update on Work Item Description "Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)". This revised WI description was approved.

TD SP-040331: Updated WID on “Circuit Switched Video and Voice Service”. This revised WI description was approved.

TD SP-040338: Updated WID on "3GPP Access Class Barring and Overload Protection". This revised WI description was approved.

TD SP-040326: NEW WID for E2E QoS Enhancements. The TSG RAN Chairman reported that consideration was being given to a workshop to progress and align end-to-end QoS. TSG noted the need for co-ordination with other bodies on QoS enhancements. This WI description was then approved.

TD SP-040328: NEW WID on IMS enhancements for NGN. The SA WG2 Chairman confirmed that the NGN development would need to be traced for this WI. The need for a WID in order to study NGN issues was questioned. Comments to this were provided by NTT DoCoMo in TD SP-040340 which was also considered. It was reported that 3GPP were tasked to monitor NGN activity and this WID was a good start. A workshop had been arranged and it was suggested that any WIDs should be developed as a result of the workshop. It was also suggested that the initiative of 3GPP to work on this subject (with an approved WID) could be seen positively by other groups attending the Workshop. After some discussion it was agreed that 3GPP recognised that work will need to be done and were willing to cooperate with other bodies to support the NGN activities. **The need for such a Work Item was agreed in principle** and SA WG2 were asked to update the WID after the NGN Workshop discussions and present it again to TSG SA for approval. SA WG1

were also requested to review the requirements from ETSI TISPAN at their next meeting and to contribute to SA WG2 on this.

TD SP-040469 CR to 03.71: Correction of GERAN location request procedure (Rel-98). This CR was approved.

7.3 TSG-SA WG3

7.3.1 Report from TSG-SA WG3 and review of progress

TD SP-040364: Draft Report of SA WG3 meeting #33. This was provided for information and was noted.

TD SP-040363: Status report of SA WG3 to TSG SA #24. The report on activities of SA WG3 was presented by the SA WG3 Chairman.

Questions and comments:

The SA WG3 Chairman reported that the co-operation with the OMA Security group had not progressed as there had been no issues reported by the OMA security group so far. The MMS security study issues were considered more relevant to OMA security group than SA WG3 and the study report had been presented to them.

Slide 24: MBMS security: As some companies advocated a UICC-only solution, it was asked if this was for security reasons. The SA WG3 Chairman clarified that the UICC based solution would offer a more robust solution but the market needs needed to be taken into account and scenarios for differing content value.

It was asked whether the key distribution mechanisms would require any terminal modification. The SA WG3 Chairman responded that the key management was still under elaboration and the impacts on the protocols was not yet fully determined.

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

7.3.2 Questions for advice from TSG-SA WG3

SA WG3 asked for advice for referencing OMA specifications. TSG SA advised to try to solve the problem offline with the specifications manager (J. Meredith, MCC) and to return to TSG SA for further guidance if no solution is found.

TD SP-040279: Revitalization of MAPsec specification work. This was introduced by T-Mobile on behalf of T-Mobile, Vodafone and TIM and proposed to re-introduce specification work for MAP Security in Rel-6. A proposed WID was provided in TD SP-040280 if this proposal was approved. The SA WG3 Chairman reminded the meeting of the MAP Security history for Rel-5, where the Security specification had been completed (Ze interface specification), but TSG CN WGs did not have time to include it in Rel-5 and it was subsequently removed from Release 5. A similar situation is possible if this is included now for Rel-6.

TD SP-040280: Reserved for MAPSec Rel-6 WID. It was noted that the timescale for the completion of this work would be dependent on contribution to CN WG4. It was also noted that the Release allocation for this would depend on the completion of the work and could not be allocated to Rel-6 at this time. With these comments, the WI description was approved.

7.3.3 Approval of contributions from TSG-SA WG3

TSs and TRs:

TD SP-040367: Draft TS 33.141 version 2.0.0: Presence Service; Security (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040368: Draft TS 33.222 version 2.0.0: Generic Authentication Architecture (GAA); Access to Network Application Functions using HTTPS (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). **It was noted that the Scope clause needed finalisation and SA WG3 were asked to provide a CR to do this**.

TD SP-040365: Draft TR 33.919 version 1.2.1: Generic Authentication Architecture (GAA); System Description (Release 6). This TR was provided for information and was noted. Members were asked to study this TR and provide comments to SA WG3.

TD SP-040366: Draft TS 33.246 version 1.2.1: Security of Multimedia Broadcast/Multicast Service (Release 6). This TS was provided for information and was noted. Members were asked to study this TR and provide comments to SA WG3.

CRs:

TD SP-040369: CR to 33.102: Clarification on Authentication re-attempt parameter (Rel-6). This CR was approved. It was noted that the cover table for this CR referred to CR183, whereas the CR was actually CR186.

TD SP-040370: 2 CRs to 33.102: Handling of key sets at inter-system change (Rel-5, Rel-6). These CRs were approved.

TD SP-040371: CR to 33.105: Correction of inconsistencies in AK computation for re-synchronisation (Rel-4). This CR was approved. **TSG SA agreed that Release 5 and Release 6 versions of this specification should be created from the updated Release 4 specification.**

TD SP-040372: CR to 33.203: Correction on IMS confidentiality protection (Rel-6). This CR was approved.

TD SP-040373: CR to 33.203: SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network (Rel-6). The category for this CR was considered incorrect as it adds functionality, and it should be Category B. This CR was approved as **Category B**. It was noted that the term "foreign network" needed either proper definition or modification to describe exactly which networks are intended (as mentioned in the editors' note).

TD SP-040374: CR to 33.210: Diffie-Hellman groups in NDS/IP (Rel-6). This CR was approved.

TD SP-040375: CR to 33.220: Removal of Annex A (Rel-6). This CR was approved.

TD SP-040376: CR to 33.220: NAF remove the security associations (Rel-6). This CR was approved.

TD SP-040447: CR to 33.220: Removal of editors notes on Transaction Identifiers (Rel-6). This CR was approved.

TD SP-040448: CR to 33.220: Introduction of a UICC-based Generic Bootstrapping Architecture (Rel-6). This CR was approved.

TD SP-040379: CR to 33.220: Editorial corrections to TS 33.220 (Rel-6). This CR was approved.

TD SP-040380: CR to 33.220: Support for NAF in visited network (Rel-6). This CR was approved.

TD SP-040381: CR to 33.220: Editorial changes and clarifications to TS 33.220 (Rel-6). This CR was approved.

TD SP-040382: CR to 33.220: Multiple key derivation mandatory (Rel-6). This CR was approved.

TD SP-040383: CR to 33.220: NAF’s public hostname verification (Rel-6). This CR was approved.

TD SP-040384: CR to 33.234: Profiling of IKEv2 and ESP for NAT traversal (Rel-6). This CR was approved.

TD SP-040385: CR to 33.234: Sending of temporary identities from WLAN UE (Rel-6). This CR was approved.

TD SP-040386: CR to 33.234: Extension of IKEv2 and IPsec profiles (Rel-6). This CR was approved.

TD SP-040387: CR to 33.234: Support of EAP SIM and AKA in AAA server and WLAN UE (Rel-6). The wording of this CR was considered confusing and did not use the correct standardisation terminology. The CR was revised in TD S3-040463 which was approved.

TD SP-040388: CR to 33.234: Introduction of UE split alternative 2 in TS 33.234 (Rel-6). This CR was approved.

TD SP-040389: CR to 33.234: Re-authentication failure notification to HSS (Rel-6). This CR was approved.

TD SP-040390: CR to 33.234: Identity request procedure clarification (Rel-6). This CR was approved.

TD SP-040391: CR to 33.234: WLAN mechanism to allow restrictions on simultaneous sessions (Rel-6). This CR was approved.

TD SP-040392: CR to 33.234: Requirement on keeping WLAN access keys independent from 2G/3G access keys stored in USIM (Rel-6). It was asked if there is the possibility to have specific dedicated storage for CK and IK on the UICC for WLAN interworking use (the CR adds the following text: *"The authentication and key agreement shall be dedicated for WLAN access only, thus the keys provided by the SIM (Kc) or USIM (CK, IK) during authentication and key agreement shall be stored in the ME's volatile memory"*. It was clarified that SA WG3 want to avoid the re-use of the 3GPP authentication Keys for security reasons and no need to store this on the SIM/USIM had been identified. It was noted that in the case of the ME losing power, the authentication keys would need to be re-established. It was also clarified that this does not prevent the keys being stored elsewhere as well, although this would be implementation dependent unless specified in the future. This CR was approved.

TD SP-040393: CR to 33.310: Removal of inconsistencies regarding SEG actions during IKE phase 1 (Rel-6). This CR was approved.

TD SP-040394: CR to 33.310: Removal of unnecessary restriction on CA path length (Rel-6). This CR was approved.

TD SP-040395: CR to 33.310: Correction of 'Extended key usage' extension in SEG Certificate profile (Rel-6). This CR was approved.

TD SP-040396: CR to 33.106: Clarification on delivery of IRI and CC (Rel-6). This CR was approved.

TD SP-040397: CR to 33.107: Correction on Network initiated Mobile Station Detach signalling flow (Rel-6). This CR was approved.

TD SP-040398: CR to 33.107: TEL-URL missing in activation of LI in the CSCFs (Rel-6). This CR was approved.

TD SP-040399: CR to 33.107: Correction on the use of session initiator parameter (Rel-6). This CR was approved.

TD SP-040400: CR to 33.107: Correction to HLR interception event name (Rel-6). This CR was approved.

TD SP-040401: CR to 33.107: Clarification for Push to talk over Cellular (Rel-6). This CR was approved.

TD SP-040402: CR to 33.107: Adding an encryption parameter to IRI across X2 interface (Rel-6). This CR was approved.

TD SP-040403: CR to 33.107: References (Rel-6). This CR was approved.

TD SP-040404: CR to 33.107: Enhancements for the Functional Architecture chapter (Rel-6). This CR was approved.

TD SP-040405: CR to 33.108: Correction on interception identities in multi-media domain (Rel-6). This CR was approved.

TD SP-040406: 2 CRs to 33.108: WGS 84 coordinates length correction (Rel-5, Rel-6). This CR was approved.

TD SP-040407: CR to 33.108: CR offering alignment to ETSI TS 101 671 (Rel-6). This CR was approved.

TD SP-040408: CR to 33.108: Additional text for Definition and Acronym section (Rel-6). This CR was approved.

7.4 TSG-SA WG4

7.4.1 Report from TSG-SA WG4 and review of progress

TD SP-040341: Status report of SA WG4 to TSG SA #24. The report on activities of SA WG4 was presented by the SA WG4 Chairman using the slides provided in TD SP-040409.

Questions and comments:

Slide 17: The discussions which resulted in the text " DSR Extended Advanced Front-end ("**should be supported**") and AMR or AMR-WB ("**may be supported**"); with substantial performance advantage from DSR noted" was questioned. The SA WG4 Chairman clarified that objections had been received from some companies at the SA WG4 meeting and the use of "should" and "may" was taken as a compromise which will be reviewed at the next SA WG4 meeting.

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

7.4.2 Questions for advice from TSG-SA WG4

Discussion of MMS Codec selection issues in SA WG4

Extract from the presentation (Slide 15):

MMS Enhancements: MMS media formats and Codecs

During SA4#31, MMS audio Codec selection debated extensively

- Most companies (in SA4 audio Codec ad-hoc group session) stated preference for choosing one default ("shall be supported" i.e. mandatory support)
  - This was seen bringing the benefit of reducing implementation costs. Some companies stated it also guaranteed interoperability. Some companies however pointed out that interoperability to terminals of earlier releases is not guaranteed.
- Support given also for other options, e.g., for two recommended Codecs, for one default encoder and two default decoders.

Both candidate Codecs (Enhanced aacPlus and Extended AMR-WB) have merits over the other depending on the bit-rate and content type like explained to SA#23

- Both met PSS/MMS design constraints and requirements for performance (audio quality).
- Choosing between them is difficult and a matter of preferences between bit-rates and content types (use cases). No consensus reached at SA4#31 on which Codec to choose.
- Proposal for defining two recommended Codecs for MMS (like for PSS) put for approval by correspondence after SA4#31 (by Wednesday 26th May) - not agreed due to 3 objections (T-Mobile, Telecom Italia and Orange)

No agreement on single MMS Codec was reached at SA4#31. Guidance from SA and relevant WGs (T2, SA1 on use cases) likely needed.

On MMS video Codecs, except for one company, SA4 has agreed H.264 (AVC) as working assumption to be adopted as recommended ("should be supported") Codec.

After an intervention from 3, it was noted that the last line above should read " On MMS video Codecs, except for **three companies**, SA4 has agreed H.264 (AVC) as working assumption to be adopted as recommended ("should be supported") Codec".

The need to choose Codecs for similar applications running over different transport layers was questioned. It was commented that the number of Codecs should be kept to a minimum.

It was also commented that use cases for different scenarios needs to be studied so that the choice can be made on Codec selection and the number of Codecs that will need to be supported.

It was also envisaged that a similar mechanism to the current internet practice of providing the user with an option to download Codecs if they receive content which they do not have the Codec for.

It was suggested that there are 2 main scenarios:

- MMS / Download scenario, which would be terminal dependent (support for such Codecs optional)

- Point to point transmissions, which would require the ability to decode the encoded content. This would require further study on the need to specify the support and other mechanisms to allow this (e.g. downloading specific Codecs when needed).

It was commented that the situation for Rel-5 terminals is that there is one mandatory Codec and two other optional Codecs, which already opens up the possibility that the content cannot be decoded at the receiver end and would either need to be rejected or transcoded in the network. This situation will only be compounded by the choices made for Rel-6 and backward compatibility with Rel-5 terminals should be kept.

The impact of adding new Codecs on the specifications needs also to be considered (simple changes to add the new Codec or whether changes of Protocol will be needed. It was clarified that at least the IETF would need to add any new Codecs to their specifications.

It was commented that there was an immediate need for the normal Codec for general use and a high quality decoder for terminals as download of high quality audio is a likely early application. It was suggested that if this is the case, then the high quality decoder should only be recommended and up to the manufacturer to decide whether to support it for any particular application.

If something is included in the specification it should be done in an optional manner. Terminal support of decoding should not automatically imply terminal support of encoding.

After some discussion and exchange of views, TSG SA made the following guidance to SA WG4:

SA WG4 were asked to include both Codecs and to indicate that the Terminal need only support the decoder and this would not imply also supporting the encoder. A recommendation for implementation of a Codec should be made, but no Codec should be made mandatory.

The TSG SA Chairman provided a proposal for the guidance that TSG SA should provide to SA WG4, in TD SP-040464, as follows:

For the issue of new Codecs for MMS it is proposed that TSG SA concludes:

- *That, for MMS, support of the AMR WB+ and enhanced aacPlus shall not be made mandatory for the terminal*
- *That the MMS Codec and formats specification (TS 26.140) is updated to include both of the Codecs AMR WB+ and enhanced aacPlus. This is to be done in a manner such that:*
  - *There is no requirement that a terminal supporting decoding by one of the Codecs shall also support encoding by that Codec*
  - *For each of the Codec it shall be clearly indicated for which scenario (type of content, bit rate etc.) they are recommended.*

TD SP-040471 Way forward for the audio Codec decision. This was introduced by T-Mobile on behalf of Telecom Italia Mobile, T-Mobile, Vodafone, China Mobile and SFR and proposed an alternative guidance text to give to SA WG4.

Considering the clear need for maximum interoperability of devices capable of high audio quality playback (music) in order to address the mass market and reflecting the various transport mechanisms anticipated as:

- *PS streaming*
- *MMS (Push)*
- *MBMS*

for download of high quality audio content, TSG SA advises SA WG4 to recommend the exclusive use of one audio decoder for terminals supposed to support high quality audio playback.

It was noted that MBMS was still awaiting work in RAN WGs and no real BER figures had been provided for the Codec evaluation tests for MBMS. Therefore the MBMS service should not be brought into the discussions at the moment.

The TSG SA Chairman stated that the most important result of these discussions were to allow SA WG4 to continue working until the next TSG SA Plenary. Therefore SA WG4 should not be asked to continue their discussions on the choice of Codecs. SA WG4 should complete the evaluation and specifications of the Codecs and draft a CR for each Codec to ~~22.240~~ 26.140 in order to allow TSG SA to decide which of the CRs will be accepted. TSG SA may accept both CRs, reject both CRs or accept only one of them. In this way delegates have time to discuss the issues around this and consider the different use scenarios.

It was requested that no decisions are made on any CRs without the full information and results of the evaluations are available so that this can be used in the decision-making.

The TSG SA Chairman suggested that the text could be revised to include the fact that the decision on a Codec will not be made before the evaluation test results are available.

It was established that the AMR WB+ Codec can decode AMR WB encoding and that enhanced aacPlus Codec can decode AAC encoding.

The TSG SA Chairman provided a revised proposal based on discussions in TD SP-040481 which was reviewed. **After some discussion it was decided to endorse TD SP-040481 as the guidance from TSG SA to SA WG4.**

TIM expressed their view of a clear need for a single Codec for all applications (PSS/MMS/MBMS) to avoid interoperability issues, huge tests processes and market segmentation.

7.4.3 Approval of contributions from TSG-SA WG4

TSs and TRs:

TD SP-040342: 3GPP TR 26.935: "Packet Switched Conversational Multimedia Applications; Performance Characterisation of Default Codecs" Version 2.0.0 (Release 6). This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040344: 3GPP TS 26.245: "Transparent end-to-end packet switched streaming service (PSS); Timed text format" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040345: 3GPP TS 26.246: "Transparent end-to-end packet switched streaming service (PSS); 3GPP SMIL Language Profile" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040343: 3GPP TS 26.243: "ANSI-C code for the Fixed-Point Distributed Speech Recognition Extended Advanced Front-end" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040425: 3GPP TS 26.273: "Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) Codec" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040426: 3GPP TS 26.290: "Audio Codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) Codec; Transcoding functions" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040427: 3GPP TS 26.304: "Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) Codec" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

It was reported that SA WG4 are working on the production of a Characterisation Testing Report containing details of the selection test criteria for the Codecs, as requested by TSG SA at meeting #23.

TD SP-040428: 3GPP TS 26.401: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; General description" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040429: 3GPP TS 26.402: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; Additional decoder tools" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040430: 3GPP TS 26.403: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; Encoder specification; Advanced Audio Coding (AAC) part" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040431: 3GPP TS 26.404: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; Encoder specification; Spectral Band Replication (SBR) part" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040432: 3GPP TS 26.405: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; Encoder specification; Parametric stereo part" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

TD SP-040433: 3GPP TS 26.410: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; ANSI-C code" Version 1.0.0 (Release 6). This TS was provided for information and was noted.

CRs:

TD SP-040434: CR TS 26.234 on Addition of Release 6 functionality (Release 6). This CR was approved.

TD SP-040356: CRs TS 26.235 and TS 26.236 on the introduction of the DSR Codec (Release 6). These CRs were approved.

TD SP-040357: CRs TS 26.236 on "RTCP usage for IMS" (Release 5 and Release 6). These CRs were approved.

The SA WG Chairman was asked about the CR to the Audio Codec which was not presented to TSG SA for approval. He responded that the CR had been approved conditionally upon the verification work results. As the verification work has not yet been completed, the CR could not be brought to TSG SA for approval at this time.

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

TD SP-040268: Status report of SA WG5 to TSG SA #24. The report on activities of SA WG5 was presented by the SA WG5 Chairman.

Questions and comments:

Slide 19: OMA - Push to Talk over Cellular (PoC), Mobile-Commerce & Charging (MCC) WG co-operation. the SA WG5 Chairman clarified that SA WG5 had been proactive and produced a draft TS for PoC Charging (TS 32.272). It was commented that this work may not be in the scope of SA WG5 and that the idea to produce a TS on this should have gone through the normal approval route (i.e. a WID for approval at TSG SA) and it was surprising that a 3GPP TS number had aalready been allocated.

Slide 15: The TSG SA Chairman asked whether the specification numbers for approval were correct as he had found version 6.0.0 specifications on the FTP server. The SA WG5 secretary explained that he had pre-implemented the specifications and put them in an area for SA WG5 experts to check them. **This was not acceptable, as any checking that needs to be done to unapproved documents should be done by**

clearly marking the drafts as unofficial versions both in the filename and in the document headers/titles.

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

7.5.2 Questions for advice from TSG-SA WG5

TD SP-040236: LS (from SA WG5) on Push to Talk over Cellular (PoC) Charging Architecture. This was introduced by the SA WG5 Chairman and invited a number of bodies to further work with SA WG5 in order to achieve a PoC charging specification that meets each group's requirements. This was provided to TSG SA for infoamtaion and was noted.

TD SP-040231: LS (from CN WG4) on Assignment of the Diameter codes and identifiers. A response had been provided by SA WG5 in TD SP-040237 and this LS was then noted.

TD SP-040237: LS (from SA WG5) on Assignment of the Diameter codes and identifiers. This was introduced by the SA WG5 Chairman and provided comments to CN WG4 on draft TS 29.230 v0.3.0. This was provided to TSG SA for information and was noted. The TSG SA Chairman stated that this is an example of unnecessary liaison, and WGs were asked to ensure that LSs are necessary and will provide value to the receiving groups before adding them to the list of recipients.

7.5.3 Approval of contributions from TSG-SA WG5

TSs and TRs:

TD SP-040238: TS 32.171-200 Subscription Management (SuM) resources Integration Reference Point (IRP); Requirements - for SA approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040244: TS 32.342-200 File Transfer (FT) Integration Reference Point (IRP): Information Service (IS) - for SA approval. It was noted that the references section contains, e.g. "3GPP TS 32.32x-series". **SA WG5 were asked to make explicit references to the specifications by means of CRs**. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040245: TS 32.352-200 Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS) - for SA approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040246: TS 32.353-100 Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS) - for SA approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). It was noted that this had not previously been presented to TSG SA for information.

TD SP-040262: TS 32.741-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements - for SA Information. This TS was provided for information and was noted. Members were asked to review the TS and provide feedback to SA WG5.

TD SP-040263: TS 32.742-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS) - for SA Information. This TS was provided for information and was noted. Members were asked to review the TS and provide feedback to SA WG5.

TD SP-040264: TR 32.804-100 Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements - for SA Information. This TS was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG5.

TD SP-040274: TS 32.431-100 Performance measurement collection Integration Reference Point (IRP): Requirements - for SA Information. This TS was provided for information and was noted. Members were asked to review the TS and provide feedback to SA WG5.

CRs:

TD SP-040239: 2 Rel-6 CR 32.101 (Telecommunication management; Principles and high level requirements). These CRs were approved.

TD SP-040240: Rel-6 CR 32.102 (Telecommunication management; Architecture). This CR was approved.

TD SP-040241: Rel-4 CR 32.111-2 (Fault Management; Alarm IRP IS). This CR was approved.

TD SP-040242: Rel-6 CR 32.152 (IRP IS UML repertoire). This CR was approved.

TD SP-040243: 3 Rel-5 CR 32.322/3/4 (Test management IRP IS, CORBA and CMIP SSs). These CRs were approved.

TD SP-040247: Rel-6 CR 32.362 (Entry Point IRP IS). This CR was approved.

TD SP-040248: Rel-6 CR 32.363 (Entry Point IRP CORBA SS). This CR was approved.

TD SP-040249: 2 Rel-5/6 CR 32.622 (CM Generic network resources IRP NRM). These CRs were approved.

TD SP-040250: 2 Rel-4/5 CR 32.624 (CM Generic network resources IRP CMIP SS) – Alignment with the IS 32.622. These CRs were approved.

TD SP-040251: 7 Rel-5/6 CR 32.622/3/4/5 (CM Generic network resources IRP Requirements/NRM/CORBA/CMIP). These CRs were approved.

TD SP-040252: Rel-5 CR 32.624 (CM Generic network resources IRP CMIP SS) – Alignment with the IS 32.622. This CR was approved.

TD SP-040253: Rel-6 CR 32.624 (CM Generic network resources IRP CMIP SS). This CR was approved.

TD SP-040254: 8 Rel-5/6 CR 32.642/3/4/5 (CM UTRAN network resources IRP Requirements/NRM/CORBA/CMIP), 32.615/655 (XML for Bulk CM IRP/GERAN network resources). These CRs were approved.

TD SP-040255: Rel-5 CR 32.644 (CM UTRAN network resources IRP CMIP SS). This CR was approved.

TD SP-040256: Rel-6 CR 32.645 (CM UTRAN network resources IRP Bulk CM XML). This CR was approved.

TD SP-040257: Rel-5 CR 32.654 (CM GERAN network resources IRP CMIP SS). This CR was approved.

TD SP-040258: 7 Rel-4/5/6 CR 32.615/625/635/645/655 32.615 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources). These CRs were approved.

TD SP-040259: 6 Rel-5 CR 32.615/25/35/45/55 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources). These CRs were approved.

TD SP-040260: 2 Rel-6 CR 32.661/2 (CM Kernel CM Requirements / IS). These CRs were approved.

TD SP-040261: 2 Rel-5/6 CR 32.663 (CM Kernel CM IRP CORBA SS). These CRs were approved.

TD SP-040265: 4 Rel-99 CR 32.104 (3G Performance Management), Rel-4/5/6 CR 32.401 (PM Concept and requirements). The consequences if not approved for the Release 1999 CR was questioned. It was clarified that misinterpretation of the specification could result in large amounts of (unnecessary) charging data being sent which could cause a signalling overload. This CR was approved.

TD SP-040266: 3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM). These CRs were approved.

TD SP-040267: 2 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM). This change was to add a note in a similar way as it was done for other parts in the specification and it was questioned whether this was an essential correction. These CRs were approved. These changes were exceptionally allowed at this time and SA WG5 were asked to ensure that changes to frozen Releases really are essential in the future.

TD SP-040269: 3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM). These CRs were approved.

TD SP-040270: Rel-6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM). This CR was approved.

TD SP-040271: Rel-6 CR 32.411 (PM IRP Requirements). This CR was approved.

TD SP-040272: 2 Rel-6 CR 32.412 (PM IRP IS). These CRs were approved.

TD SP-040273: Rel-6 CR 32.413 (PM IRP CORBA SS). This CR was approved.

TD SP-040275: 2 Rel-5 CR 32.200 (Charging principles), 32.205 (Charging data description for CS domain). These CRs were approved.

TD SP-040276: Rel-4 CR 32.215 (Charging data description for PS domain). It was reported that this text had already been inserted into Rel-5 and Rel-6 versions and this aligned the Rel-4 specification. This CR was approved.

TD SP-040277: 2 Rel-4/5 CR 32.215 (Charging data description for PS domain). These CRs were approved.

TD SP-040278: 3 Rel-5 CR 32.225 (Charging data description for IMS). These CRs were approved.

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 specific contributions under this agenda item.

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-040413: CN#24 Draft report. This was provided for information and was noted.

TD SP-040459: CN Chairman's Report (Slides). The Status report from TSG CN was presented by the TSG CN Chairman.

Release 5 Status Overview:

- Number of IMS Rel 5 CRs reduced:
- CAMEL4 Cleanup mostly completed
- R99-Rel 5 CRs completed for routing of emergency calls based on geographic location
- Added GERAN Iu mode capability indicator to MS classmark 3 and MS radio access capability
- JAVA code annex replaced in OSA specs

Release 6 (New or Revised WIDs):

- New: Gx I/F for flow based Charging 3 (NP-040245)
- Revised: WLAN Interworking Stage 3 (NP-040224)

Release 6 Status Overview:

- No CN work expected for Network Sharing due to decision to use RR layer procedures.
- CRs for usage of RAT in background scan approved
- Good IMS progress on presence, IMS messaging, presence
- No stage 3 work yet started on IPv4/IPv6 interworking
- Gx and Rx work started in CN3 (Flow based charging)
- GUP work proceeding
- Diameter version control still being discussed
- Automatic Device Detection (ADD) work completed
- OSA Rel 6
  - Rapporteur needed for mapping of presence OSA APIs to SIP
  - OSA stage 2 (23.127) not being kept up to date
    - CN5 considering whether to accept responsibility from SA2 for this spec
  - Still awaiting GUP requirements for OSA from SA1
- Specifications Noted (provided for information to the plenary – at least 50% complete)
  - 24.147: Conferencing using IMS
  - 24.247: Messaging using IMS
  - 29.109: Generic Authentication Algorithm – Stage 3
  - 29.199-xy: Web Services API for OSA – Parlay X (multipart specification)
  - 29.209: Policy Control over Gq
  - 29.332: MGCF – IM Media Gateway (Mn)
- Specifications Approved (provided for approval to the plenary – at least 80% complete)
  - 24.141: Presence using IMS
  - 24.841: TR on presence using IMS (contents being transferred to 24.141 and other specs)
  - 29.230: Diameter Applications: 3GPP specific codes and identifiers
  - 29.847: TR on conferencing using IMS (contents being transferred to 24.147 and other specs)

Questions and comments:

Slide 7: OSA (Rel-6): It was asked how CN WG2 had managed to do their Rel-6 work on OSA when the Stage 2 is missing (from SA WG2). The TSG CN Chairman reported that the OSA work was to align with the Stage 1 requirements and could be done without the need of a fully specified Stage 2. It was questioned whether the work could be moved into CN WG5 as there is currently no expertise in SA WG2. It was reported that this is under consideration in CN WG5.

Slide 7: Automatic Device Detection (ADD) work. It was clarified that the changes are minor (storing an ID in the HLR). It was asked whether this was a candidate for Release independence. It was recognised that it does not impact the air interface and it may be possible to implement it in earlier Releases without the need to upgrade MAP, etc. Members were asked to check into this possibility.

Slide 6: Ipv4 / IPv6 interworking. It was reported that work had not started and it was asked when completion is expected. The TSG CN Chairman replied that this is the interworking between IMS and non-IMS clients. So far no additional requirements had been identified and after checking the stage 2 update after this meeting, it is expected to be ready by September 2004.

Slide 9: Soe corrections to the meeting Calendar were suggested (November meeting is hosted by Samsung). It was questioned why SA WG5 were not co-located. The TSG CN Chairman responded that this was due to the joint meetings CN WG5 hold with PARLEY and co-location with other CN WGs is done whenever possible.

Slide 5: It was clarified that the target date for WLAN Interworking Stage 3 for scenario 3 is not yet known, as the amount of work involved is under study. It is hoped to complete by September 2004.

TD SP-040415: IETF Status Report. This was introduced by the TSG CN Chairman and gave an overview of the status of IETF documents which are needed for the 3GPP system. There had been good progress in several areas:

- Diameter Credit Control has completed WGLC
- Drafts exist for all protocol needs
- EAP and IPSEC drafts needed for WLAN are progressing

Most protocol requirements documents fairly stable and protocol work proceeding. Total Release 6 dependencies now at 86 (decrease of 3 since last report, drafts added, but several expiring protocol requirements drafts were removed. Two drafts moved to Rel-7). Highest risk areas are:

- AAA (Diameter Multimedia Application)
- SIMPLE/SIP/SIPPING/XCON (IM, Filtering, Conference Control, Presence Publication, Whispering)

Most IETF drafts on target for August/September 2004 timeline. IETF still investigating changes to their working procedures to improve efficiency. IANA allocations likely to be a problem in the future. RFC publication also likely to be slow.

It was clarified that the time taken to complete the IANA work was due to a combination of short resourcing at present and some problems with approval procedures.

The TSG CN Chairman was thanked for giving his status report and the IETF dependency list, which was then noted.

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

There were no specific contributions under this agenda item. The status of TSG CN work was included in the Report from the TSG CN Chairman in TD SP-040459 under agenda item 8.1.1.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG CN work was included in the Report from the TSG CN Chairman in TD SP-040459 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-040461 TSG RAN #24 draft meeting report. This was provided for information and was noted.

TD SP-040460 TSG RAN progress report to SA #24. The Status report from TSG RAN was presented by the TSG RAN Chairman.

ITU-R matters:

The new draft submission for Update 5 of M.1457 was sent for approval by correspondence to TSG SA and the PCG due to the collision of date. As no comment where received, the document was agreed to be sent to ITU-R WP 8/F. A review of the descriptive part will be done by the RAN ITU-R ad hoc over the summer period for approval in TSG RAN meeting #25.

Release 1999 and Rel-4:

The workload due to CRs on Release 1999 has decreased, only 10 CRs were approved. The situation in Rel-4 is very similar (14 non Cat. A CRs approved).

A problem related to UEs in the market that seem not support the CELL/URA_PCH states was presented. TSG RAN was asked if it could be solved with the Early UE handling procedure, but it is very difficult to analyse the issue given the limited information disclosed. However, on a first approach, the problem doesn't seem to fall into the Early UE category. More information is awaited from the relevant manufacturer so that the problem can be understood and solved if necessary.

Release 5:

63 CRs (non Cat. A) on Rel-5 have been approved. It was agreed to freeze the ASN.1 part of the protocol, meaning if something needs to be added then extension mechanism will be used.

IP/ATM inter-working has been resolved by reviewing the text of the 2 first option described and removing the 3rd alternative. This was possible due to heavy involvement of the main companies interested in the subject.

- UE Uplink Power Reduction with HSDPA

  Following the discussion during last meeting on the requirements for terminals on HSDPA concerning potential power reduction, a solution was found for Rel-5. Debate took place on whether or not the solution for Rel-5 could be kept for Rel-6, given that a new code will be needed in the uplink for the EDCH. RAN WG4 and RAN WG1 were tasked to review this and RAN WG4 will come to the next meetings with the resulting CR(s).

Release 6:

48 CRs (non Cat. A) have been approved on Rel-6. Following the answer form SA WG2 on possible discrimination between SIP user traffic and SIP signalling traffic for those RABs which are supposed to carry signalling traffic only, and the fact that companies are not contributing on other areas within the WI, the work on Iu enhancements for IMS support in RAN is stopped. MBMS has been scrutinised by RAN to check the status of the work. The work plan was clarified. RAN WG1 might be able to finish its work for next meeting while for the signalling aspects it is not possible to anticipate completion before December 2004. As usual performances will be provided later.

Discussion took place without any conclusion on the fact that support of Shared Network to be mandatory or not for the UE. It was felt more an issue for TSG SA and TSG SA is requested to provide guidance on this issue.

On RAB Support enhancement, it was clarified that this is restricted currently to the provision of optimisation for the support of Voice over IP on the radio side. This work should be completed in December.

WIs/SIs completed in RAN#24

- The WI "Network Assisted Cell Change (NACC) is completed.
- The WI for Trace Support in UTRAN is completed.
- The work on the feasibility study on OFDM is considered complete from a technical analysis perspective but no agreed conclusion could be reached so far on the way forward. The situation will be re-considered during the Workshop on Long Term evolution for the UMTS Radio.

Release 6 and beyond:

WIs/SIs closed in TSG RAN meeting #24: The WI "Iu enhancements for IMS support in RAN" was closed. The WI "UE positioning enhancements - other methods" was closed, for further work in the area, WI or SI with precise terms will have to be created. The Study on Wideband Distribution Systems was closed due to the lack of activity.

Two WI proposals for HSDPA enhancements were presented, the first was discarded and the gains of the second (ACK/NACK enhancements) need to be clarified by RAN WG1.

A proposal for a WI for “Uplink TDOA UE positioning method” was presented, it was agreed that a Feasibility Study will precede the work, RAN WG1 and RAN WG2 were tasked to produce a revised Work Item Description Sheet.

Project management:

The revised WI Description Sheet was agreed. From now on all working Groups meeting will be held jointly. This might ease co-ordination. The workload is still high for the WGs and questions were raised regarding the meeting planning. The question is still pending whether several ad-hoc organised are better than normal meeting decided in advance or not. This is particularly true for RAN WG1. The other working group concerned is RAN WG2. The workload for the two others seems satisfactory to be handled with 4 meetings.

Questions and Comments:

Slide 11: WG Work loads: It was asked whether it was RAN WG1, RAN WG2 and RAN WG3 who had a high workload and needed more than 4 meetings per year. The TSG RAN Chairman replied that RAN WG3 had reported a reduction in workload and should now be able to manage with 4 meetings per year.

Slide 12: It was clarified that the meeting co-located with the WWRF was only so that delegates could attend both meetings rather than the intention to have any joint sessions.

Network Sharing:

Discussion had taken place in TSG RAN without any conclusion on the fact that support of Shared Network to be mandatory or not for the UE. It was felt more an issue for TSG SA and TSG SA was requested to provide guidance on this issue. TSG SA noted that it is specified as mandatory on the ME in TS 22.011 although the charging is an operator issue. It was questioned whether there was any advantage to making it mandatory for the ME, as if not then it should be left optional. The roaming cases should also be considered. It was commented that an ME which does not support Network Sharing in a roaming case would be a difficult scenario to cope with. It was also recognised that this would also be the case for legacy MEs on the market before this feature is introduced.

Network Sharing: TSG SA advised TSG RAN that TS 22.011 specifies mandatory support for the ME and therefore the Stage 3 specifications also need to make this mandatory.

The TSG RAN Chairman was thanked for giving his status report, which was then noted.

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

There were no specific contributions under this agenda item. The status of TSG RAN work was included in the Report from the TSG RAN Chairman in TD SP-040460 under agenda item 8.2.1.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG RAN work was included in the Report from the TSG RAN Chairman in TD SP-040460 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-040453 TSG T#24 draft meeting report. This was provided for information and was noted.

TD SP-040452 TSG T progress report to SA #24. The Status report from TSG T was presented by the TSG T Chairman.

T1 Conformance Testing:

Status of RF Test Specifications:

- RRM Progress: The proportion of complete RRM tests is approximately 70 %; Good progress on outstanding RRM TCs (11 more RRM tests);
- Routine maintenance (Follow up Database updated);
- TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD) (V5.3.0-->V5.4.0).

Status of Signalling Test Specifications

- TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing (V3.15.0, V4.10.0, V5.0.0→V5.1.0).
- TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (V5.7.0-->V5.8.0)
- TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement (V5.7.0-->V5.8.0)
- TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN) (V3.5.0-->V3.6.0)

Report of TTCN Project Team (160) (TP-040122)

- PCG revised and approved Terms of Reference 2004/2005 for Task 160 (TP-040126)
- OP decision: Unspent resource from 2003 (68kEUR) carried forward to 2004 for the specific purpose of developing LCR TDD mode TTCN
- Funding 2004
  - 900 k€ funding (754 k€ : 3GPP, 68 k€ : 3GPP carry-over (for TDD only), 78 k€ : GCF (for FDD only))
  - 832 (754 + 78) k€ have been contracted for FDD (higher priority)
  - 19 mm of man-power as voluntary contributions intended by CCSA/TDIA
- FDD Results
  - RCM created a TTCN tracking and approval database
  - Regression test confirmed the TCs stable
- Weekly TTCN conference calls
- A small forum of four SS manufacturers and task 160
- Regression test planning and resolving the TTCN CR conflicts

Questions and Comments

It was asked what the status of work task WT_40, Testing of support for IMS, Rel-5 would be. The TSG T Chairman responded that no work in this respect has been carried out yet.

T2 Services & Capabilities:

SWG3: Messaging – MMS

- Transfer of MMS to OMA
- IPR/copyright issues are unresolved
- T2 was requested by TSG-T to focus on the completion of REL-6 and not to spend too much time on MMS transfer discussions
- REL-7 work item proposals will be treated in the normal way

Ongoing matters

- Operator Specific Services
- IMS Deferred Messaging
- Multiple Relay/Servers
- Application ID
- MM1, MM4, MM7 enhancements
- SA4 is requested to keep T2 in the loop regarding MMS codecs

T3 Smart Card Application Aspects:

Status of Specifications

- General enhancements and updates on
  - TS 11.10-4 R99 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (6 CRs)
  - TS 21.111 USIM and IC card requirements (1 CR)
  - TS 31.102 Characteristics of the USIM application (11 CRs)
  - TS 31.103 Characteristics of the ISIM application (1 CR)
  - TS 31.111 USIM Application Toolkit (USAT) (3 CRs)
  - TS 31.121 UICC-terminal interface; USIM application test specification (4 CRs)
  - TS 51.011 SIM-ME interface (1 CR)
- Updated WID approved (TP-040133)
  - Test Specification for 23.048 REL-5
  - TS 31.048 “Security Mechanisms for USAT - Test specification” will be presented to TSG-T#25 for information and to TSG-T#26 for approval

Other issues and information in T3:

- Discussion for adding network measurement information for UTRAN in PROVIDE LOCAL INFORMATION functionality
  - Use cases and measurement parameters useful for deriving the location will be discussed in T3 ad-hoc meeting
- The request to Display Multimedia Messages from the USIM
  - Postponed until T3 receives a clarification from SA1 on the service requirement
- Creation of 31.121 REL-5 is postponed to T3 adhoc meeting
  - Expects the guidance from the plenary on whether EF_KC has to be stored on the USIM when accessing a GERAN
- T3's request to establish an official liaison between 3GPP and the WLAN Smart Card Consortium was approved by PCG
- Clarification is expected from CN1 on
  - Access Technology Indicator byte specific to the WLAN, HPLMN selector specific to I-WLAN access and forbidden PLMN list specific to I-WLAN access
- A discussion paper on voltage class update for mini-UICC is expected in next T3 meeting

Questions and Comments:

Slide 12 (3rd bullet): The TSG T Chairman reported that T WG3 were asking for guidance from the next GERAN meeting. It was considered more relevant to SA WG3 as GERAN only use the parameter and the decision on where it should be stored is a security decision.

The TSG T Chairman was thanked for giving his status report, which was then noted.

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

There were no specific contributions under this agenda item. The status of TSG T work was included in the Report from the TSG T Chairman in TD SP-040452 under agenda item 8.3.1.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG T work was included in the Report from the TSG T Chairman in TD SP-040452 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-040437 Report of TSG GERAN to TSG SA #24. The Status report from TSG GERAN was presented by the TSG GERAN Chairman.

Release 98 CRs:

Alignment of location reporting behaviour. TSG GERAN have studied the changes made by TSG RAN and SA WG2 and concluded that to ensure compatibility the changes also need to be done for GERAN for Release 98.

- Changes agreed, but TSG GERAN noted that there will be situations where no information will be returned indicating that the requested QoS is not met !

Release 99:

DTM core capability (CR 03.64); Length of ABQP IE in BSSGP (CR 08.08); Removal of “Short Access” CRs make the feature optional from R99+ and remove it from Rel-5+; CR 04.60 (R99+, Rel-5+); CR 04.18 (R99+, Rel-5+); CR 44.160 (Rel-5+). Discussion ongoing on Change of service demand issues / Single TBF Sharing with PFI Indication.

Release 4:

Rule for encoding SI1 in the set of PNCD messages (CR 44.060); Important correction to handling of PSCD messages (CR 44.060); Correction of SNS PDUs for IP support is still under discussion (TS 48.016).

Release 5:

Iu mode corrections:

- DBPSCH allocation with CELL UPDATE CONFIRM corrections (CR 44.118);
- Erroneous implementation in 44.118 of GP-030090 (CR 44.118).
- ASN1 coding for CELL/GRA UPDATE messages
- R5 CR to 44.118 agreed, LS sent to RAN2

Other corrections:

- Correction to PSI5 message encoding due to erroneous CR implementation (CR 44.060)
- Applicability of individual NC parameters (CR 44.060)
- RIM/NACC clean-up still under discussion
- CR to 48.018 on “SGSN initiated deletion of BSS PFC during the modification procedure” Agreed
- CR to 44.018 on “Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message” Agreed

LS sent to RAN2 / CN1 indicating this feature can now be used in Rel-5.

RIM/NACC:

- Constructive proposal for simplifying the format used in the evening session to restructure the CR.
- LS sent to RAN3 and CN4 on RIM routing addressing between GERAN and UTRAN
- RIM/NACC drafting session to be held before G2#18bis – hosted by Siemens

Flexible Layer One:

- Main parts of FLO completed
- LS prepared to send to CN1 indicating that FLO for Iu mode is complete and requesting the introduction of a support bit in the MS RAC IE
- FLO for A/Gb still open and might be post Release 6

MBMS:

- Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes
- Multislot capability: Working assumption to be confirmed is support of 6+1 timeslot
- Feedback to TSG SA WG4 on radio layer performance assumption for simulations provided
- Draft CR to GERAN MBMS Stage 2 on introduction of procedural text for section 6
- LS prepared to SA1/2 on paging co-ordination indicating that solutions are possible but asking about the use cases and indicating the consequences of certain MS classes not being able to act on the notification without releasing their current resources.
- Completion within the Release 6 timeframe is at risk

PS Conversational:

- PS HO Stage 2 TS 43.139 v0.4.0 presented
- New Working Assumptions:
  - The XID Command can be sent to the MS in the source cell.
  - Inter-SGSN signalling: Use FORWARD RELOCATION messages in all situations.
  - Inter-mode radio signalling: HANDOVER FROM GERAN IU MODE COMMAND message and HANDOVER FROM UTRAN COMMAND message
- Packet forwarding CR (main concept agreed at G2#18bis) could not be agreed for the TS
- Working assumption for MS identifier to use during HO procedures:
  - The new local P-TMSI is pre-allocated by the T-SGSN but neither this nor the derived TLLI is sent to the MS in the source cell.

  - The Target BSS appends the new TLLI to all uplink data sent by the MS in the target cell prior to the RAU, when the MS will be informed of the new P-TMSI and TLLI pair.
- Enhanced RLC/MAC control message segmentation
  - Working Assumption: Only use the extended RLC/MAC control message segmentation (and corresponding modified header format) for messages sent on three or more blocks.
  - Agreed: A separate indication to be included in the MS RAC for support of this feature

PS Interruption in DTM:

"DTM enhancements concept paper" has been updated to include the CS release procedure enhancement. Enhancements to CS call establishment are still being discussed. Stage 2 CR (TS 43.055) seen for CS release enhancement – more details to be included.

TEI 6:

Purpose of the DTM ASSIGNMENT COMMAND while in dual transfer mode (CR 44.018). Introduction of non-segmented provision of serving cell SYSTEM INFORMATION messages on PACCH (CR 44.060). Correction of Incorrect length of group call reference IE (CR 48.008).

Removals:

- Removal of Unsynchronized (blind) Cell Change Order towards a GSM cell (CR 44.060, CR 45.008)
- Removal of GPRS Extended Measurement reporting (CR 43.064, CR 44.060, CR 44.160, CR 45.008)
- Removal of GPRS Idle Interference Measurements (CR 43.064, CR 44.060, CR 44.160,CR 45.008)

Streaming: WI (Rel-6) marked as completed.

U-TDOA:

- CS domain
  - Removal of emergency services client type restriction from the U-TDOA location method changes has been agreed – SA3 being consulted on the protection of Kc in the Uplink TDOA location method to double check that agreed CR is alignment wit earlier agreement
  - Completed an frozen except for LMU performance specification
- PS domain
  - Work has been started – no explicit Changes is included in the specifications yet

SAIC/ARP:

- Single Antenna Interference Cancellation
  - Results of simulations for synchronous networks for CS services converge
  - Results for asynchronous networks show a potential gain
  - Results for 8-PSK interference show less gain for a 8-PSK modulated interferer compared to GMSK modulated interferer !
- Work items for Advanced Receiver Performance (ARP) approved and work commenced. Workplan for completion of ARP in Rel-6 timeframe has been agreed.
  - SAIC Feasibility Study kept open for additional scenarios
- Performance specification
  - Specification methodology being discussed and progressed between WG1 and WG3 experts to ensure feasibility of test of performance requirements
  - Progress on definition of performance requirement scenarios
- Signalling
  - It was agreed not to mandate two-phase access
  - Two options open on indicating ARP support
    - 1 bit for non-ARP MSs, 4 bits for ARP MSs
    - 3 bits for all MSs
  - The need for segmenting the classmark is to be studied

Testing:

- There are still no input on the developing Test Cases (currently 0%) for the following Rel-5 features:
  - Alignment of 3G functional split and Iu
  - Wideband telephony services
  - Enhanced Power Control
  - AMR 8 PSK HR
- GPRS R99
  - Work plan for GPRS test cases R99 has been updated
  - The R97 GPRS test cases, which have been introduced to 51.010-1 during the Work-Plan life are R99 compliant, have been included in the Work-Plan.
- PTCRB test cases
  - Updated Work Plan for the Alignment of the PTCRB (PCS Type Certification Review Board) RFT's have been created
  - RFT-012 TTY Text Telephony - considered done.
  - Outstanding activities:
    - RFT-002 MNC Mobile Network Code Ambiguity in specifications. The WG3 is intending to work at the R99.
    - RFT-018 EDGE (L1) WG3 has received the test cases for BEP at the next GERAN meeting (ongoing)
    - RFT-019 EMR Work plan is being updated for EMR in GERAN WG3 (two working areas have been identified).
    - RFT-022 (NITZ) Network Identity and Time Zone. The number of test cases has been received and agreed. The need of additional cases are under investigation.
- EMR
  - Based on the LS from GCF, a Work-Plan on EMR test case development, including:
    - Analysis of the test coverage in TS51.010 regarding Packet Enhanced Measurement Reporting (PEMR).
    - Mainly two areas have been identified for the PEMR test cases, in order to ensure sufficient test coverage of the feature.
    - The volunteer companies have started process to identify and develop the test cases for PEMR in order to achieve sufficient test coverage.
  - LS to GCF and PTCRB reflecting the progress of the work.
- EXT. Uplink TBF
  - TSG GERAN has created a Work Plan for Extended Uplink test case development.
    - Link adaptation during TBF extension
    - TBF reconfigure during TBF extension and resumption
    - Cell Change Notification during extended mode
    - Cell Change Failure during extended mode
    - Change of RLC mode
    - The test cases are expected to developed by the GERAN#20
  - LS to GCF and PTCRB reflecting the progress of the work.
- GERAN --> UTRAN HO (TTCN)
  - GERAN received a LS from 3GPP TSG T1 at the GERAN #17 meeting during November 03 highlighting the issue about verification and approval process.
  - TSG GERAN has started to establish a TTCN CR Approval Process for GERAN to UTRAN Inter-RAT Handover TTCN test cases, similar to the one followed in T WG1.
  - It was discussed and agreed to create the new test specifications.
  - TSG T WG1 has been informed about this

The TSG GERAN Chairman thanked himself for giving 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. The status of TSG GERAN work was included in the Report from TSG GERAN under agenda item 8.4.1.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG GERAN work was included in the Report from TSG GERAN under agenda item 8.4.1.

8.5 Letters to other groups

The following Liaisons were approved at the meeting:

Number	Title	TO	CC
SP-040474	st for mutual liaisons between IEEE Media Independent Handover Services Project (IEEE 802.21) and 3GPP	Ajay Rajkumar, Chairman, IEEE 802.21	-
SP-040478	Response LS on OMA Dependencies on 3GPP Deliverables	OMA Release Planning and Management Committee (REL)	-

8.6 3GPP Work plan

TD SP-040455: 3GPP Work Plan. This time, the Work Plan had also been provided in Word format in order to allow easy tracking of proposed changes using revision marking, which is not possible in the native Microsoft Project format. This was provided for information and was noted. Comments and corrections should be sent to MCC.

TD SP-040456: 3GPP Work Plan Review Slides. This was presented by A. Sultan, the MCC Work Programme manager.

Questions and comments:

Slide 18: LCS enhancements 2:

> Stage 2: all work completed by CRs on 23.271, except on Galileo, not progressing since May 2003. It is proposed to shift the FS on Galileo to Release 7. This was agreed.
> Stage 3: Most aspects to be done by OMA. Check if CN1 has to be involved (work not started, no corresponding WID). SA2 has sent an LS to OMA to check their capability/willingness of doing Stage 3. Check the mechanism. Referencing of publicly available specifications is OK, but the inclusion of the provisions may lead to IPR problems, as the OMA IPR policy is not the same as the 3GPP SDOs' IPR policies. 3GPP should only refer informatively to the reference points specified by OMA which are outside the Scope of 3GPP. The TSG CN Chairman reported that whether CN WG1 has any work to do on interfaces is still unresolved. It was noted that the PCG were involved in discussions on this issue.

Slide 21: IMS Phase 2:

- IMS Local services. Stage 3: not started. No input. Is a Stage 3 needed? The TSG CN Chairman reported that this has been reviewed but no local services impacts have been found and the issue is in CN WG1. Members with an interest in this topic were encouraged to contribute to CN WG1. It was thought that the specific interface would not be necessary to implement IMS Local Services in Rel-6.

Slide 31: Speech Recognition and Speech Enabled Services.

- OMA dependency appears in SP-040420 from I. Sharp on multimodal support but not in SP-040232. Is it needed? It was agreed that this dependency is not needed.

Slide 31: Digital Rights Management (DRM).

- Status of 22.242 is unclear; consider deletion? It was clarified that the work in OMA and 3GPP does not seem to be consistent and aligned. It was considered necessary to check that the 3GPP Stage 1 is covered by the OMA Stage 2 and Stage 3 before removing this from the specification set.

Slide 34: WLAN/UMTS interworking.

- New interfaces (e.g. Wg and Wp) and some SA2 additions not analysed by CN, it is not yet clear which ones are mandatory in Rel-6 and which ones can be defined in later releases. To be clarified by CN4 and SA2 dialogs. This should be considered by the relevant WGs and resolved by September 2005.

Slide 48: BARS:

- Acronym: BARS or CSSAVE? BARS should be used.

Slide 56: Multimedia Broadcast/Multicast Service:

- The involvement of CN1, mentioned in the WID, has still to be checked.

Slide 58: Generic User Profile.

- GUP Security: No progress at last SA3 meeting: still 20% complete. Complete? SA WG3 will include the requirements by CRs into other specifications and not create a specific TS for GUP Security. Completion was estimated as around 30%-50%.
  Dependency on the Liberty Alliance work. The specifications were expected in time, the only problem may be on how CN WGs use these specifications.

Slide 42: It was proposed to delete the text given on this slide: "*32.272-002 Push-to-talk over Cellular (PoC) charging – draft TS available. OMA MCC delegates expressed an interest in SA5 SWGB further progressing this specification, therefore a joint session of the two groups is planned at OMA meeting #12*". It was agreed to remove the reference to the TS and to re-word and leave the information about the co-operation discussions.

Slide 60: Support for Subscriber Certificates. It was commented that this should be included in the September category of the slide set. This was agreed.

Slide 74: Reminder on deleted items. The deletion of the feature Enhanced HE control of security was questioned as it has a BB "Network Domain Security", which is complete, below it. It was noted that the Work Plan needs to be updated to correct this structural error.

Slide 36: Network Sharing. The final bullet should be deleted as the work Task was closed due to lack of support. This means there will not be any standardised OAM&P solutions.

Slide 34: WLAN/UMTS interworking. The status of TS 33.234 was questioned. It was reported that there were still issues on scenario 3 to be solved, particularly with the use of IPsec and Key exchange. It was expected to be stabilised for September 2004.

Slide 74: Reminder on deleted items. It was noted that TSG CN may want to re-introduce the Ze interface if they receive active contribution on MAP Security for Rel-6.

Conclusion. It was agreed that TSG SA would functionally freeze Release 6 in September and WGs were asked to provide information on any WIs which are not ready at that time and an accurate estimate of the timescale needed to complete the work.

An updated version of the slides, containing agreed comments made after the presentation was provided in TD SP-040480 which was noted.

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

TD SP-040457: (Draft) Description of Release 4 Features. This was introduced by A. Sultan, MCC and had been developed by the MCC WG support persons. The draft was not finalised as had been hoped, but was expected to be finalised for the next TSG meeting. Unstable sections were marked in shaded background and Members were asked to send any comments to MCC, particularly on these unstable sections. MCC were thanked for producing this useful document, which was noted.

TD SP-040358: CRs to lists of specs. The MCC specifications manager (J. Meredith) introduced the list and Members were asked to provide any comments to MCC.

TD SP-040359: Specs status list prior to TSGs#24. This was provided by the MCC specifications manager (J. Meredith). The list was noted and Members were asked to provide any comments to MCC.

TD SP-040360: Specs status list after TSGs#24. This will be provided after the meeting with agreed changes included. Members were asked to review the list and provide comments to the MCC specifications manager.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item.

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

There were no specific contributions under this agenda item.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

TD SP-040310: Proposed CR against 21.900: Release Planning: Target date setting. This was introduced by Siemens and provided clarification about the setting of Release dates. This CR was approved.

TD SP-040439 Handling of technically motivated Work Items. This was introduced by Nortel Networks and invited to approve the following points for future clarification:

1. New feature level work items may be proposed by any 3GPP working group and may have that working group identified as the “work item leader”.
2. The term “Work Item Leadership” on the WID template should be replaced with something more precise such as “Primary Responsibility”
3. New feature level work items should be reviewed by SA1 prior to approval if there is a significant requirements component or if there is doubt about the relevance of the work from a requirements point of view. However it is not mandatory for all new feature level work items to be reviewed by SA1 prior to approval.
4. All feature level work items with a requirements aspect shall identify a role for SA1 in the work plan.
5. During feature development SA1 is responsible for identifying requirements for the 3GPP system. Normally development of requirements should take place before the initiation of technical work. However where the primary motivation for a feature is specifically the benefits obtained from using a particular technical or architectural approach it is appropriate for the requirements and the technical work to proceed in parallel.
6. Any working group referenced in a particular work item can contribute to that work item’s development without having to create a new work item in each committee. However, a committee may create a new work item if it is helpful in managing their work programme.

It was commented that although SA WG1 are responsible for service requirements, other groups are responsible for, e.g. architectural requirements (SA WG2).

It was clarified that the intention of this was to provide clear rules on which WG should be consulted in order to start any particular Work in 3GPP in order to help internal company co-ordination.

It was noted that there were some useful ideas in this contribution (e.g. to indicate impacted WGs instead of impacted Specifications, as the WID should not indicate a technology solution.

The TSG SA Chairman proposed that this contribution is considered and used to develop new work items taking account of the real requirements from SA WG1.

TD SP-040468: New Work Item Description (WID) form. This was introduced by J. Meredith, MCC. comments to section 6.4 were provided in TD SP-040440 which was considered.

> TD SP-040440: Comments on section 6.4 of proposed WID revision. This was introduced by Nortel Networks and commented that the dates should be from the first approval of the WI, rather than "start date". Completed milestones: It is difficult to determine the difference between planned and achieved dates.

It was requested to delete the row on "Approved and technically complete" from the Work Item Status. This was agreed. The section "Supporting Individual Members" was thought to be misleading as it indicated that 4 supporting companies was enough to guarantee the approval of a WI, whereas all work proposals also needs consensus of the WGs and TSG. It was also commented that the "Early Implementation" indication should be a TSG decision, otherwise every WID proposal may include a discussion on it's suitability for early implementation. It was also commented that the WI sheet was fairly static after approval and the work plan is used to track progress of WIs. This would need constant review and update during the elaboration of a WI and be a large overhead for the WGs and TSGs. The term "Study Item" was also not used in 3GPP and should not be included on the WI sheet (it was recognised that Study items have been used by TSG RAN). It was requested that the WI sheet is revised to take the comments into account, particularly the implied overhead on maintenance of the WI form. It was also commented that the form could be based on the current WID template in order to make the real changes obvious to delegates. This was noted.

TD SP-040472 Proposed CR021 to 21.900: This was introduced by Nortel Networks and proposed text to include the early implementation work into the Working Procedures. As the early implementation had not been fully agreed at this point, comments were invited in order to allow a generally agreeable CR to be provided at a future TSG SA meeting.

9.1 Election of TSG SA Vice Chairman

NOTE: If more than 1 candidate is proposed, there will be a formal Vote of eligible 3GPP Member Companies.

TD SP-040421: Letter of support for Mr. Takashi Koshimizu for TSG SA Vice Chairmanship. The TSG SA Chairman made a request for any further applications to be submitted before 14.00, 7 June 2004. None were received and **Mr. Takashi Koshimizu, NTT DoCoMo, was appointed as TSG SA Vice Chairman.** It was noted that the appointment of the Vice Chairman would need to be ratified by the PCG.

10 Project support

TD SP-040362: MCC status report. This was introduced by the MCC team leader, J Meredith. The report was noted and MCC were thanked for their good work.

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-040436 Calendar of 3GPP meetings. This was provided for information and was noted.

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
3GPP GERAN#20	EF3	21-25 June, 2004	TBD	Europe
3GPP GERAN#21	NA Friends	23-27 August, 2004	TBD	US
3GPPRAN#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPT#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPCN#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPSA#25	NA Friends	13-16 September, 2004	Palm Springs	US
3GPPRAN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPT#26	EF3	8-10 December, 2004	Athens	Greece
3GPPCN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPSA#26	EF3	13-16 December, 2004	Athens	Greece
3GPPRAN#27		9-11 March 2005	Tokyo	Japan
3GPPT#27		9-11 March 2005	Tokyo	Japan
3GPPCN#27		9-11 March 2005	Tokyo	Japan
3GPPSA#27		14-17 March 2005	Tokyo	Japan

13 Any other business

There were no specific contributions under this agenda item.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and co-operation during the meeting, the Meetings Hosts, TTA and the Support staff for the excellent facilities provided for the TSG meetings. He then closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

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Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040227	Draft agenda for TSG SA meeting#24	TSG SA Chairman	2	Approval	SP-040339	Replaced by SP-040339, to include potential Voting information for Vice Chairman position
SP-040228	Draft Report for TSG SA meeting #23	TSG SA Secretary	3	Approval		Approved
SP-040229	LS from ITU-T SSG Chairman: Request for new information for draft Recommendation Q.1741.4 (referencing of 3GPP Release 6, system and services aspects and core networks aspects)	LS from ITU-T SSG Chairman	6.3			Related LS from CN in SP-040416
SP-040230	LS from T WG2: 3GPP WLAN interworking	T WG2	6.1	Information		Noted
SP-040231	LS (from CN WG4) on Assignment of the Diameter codes and identifiers	CN WG4	7.5.2	Information		Response LS from S5 in SP-040237. Noted
SP-040232	LS from OMA Release Planning and Management Committee: OMA dependencies on 3GPP deliverables	OMA-REL	6.3	Action		Off-line comments to S. Hayes.
SP-040233	LS from SA WG1: PLMN selection and background scan	SA WG1	7.1.2	Information		Noted
SP-040234	LS (from SA WG1) on CEPT/ECC consultation on use of short codes	SA WG1	7.1.2	Action		Supporting LS in SP-040419.
SP-040235	Result of Release Process Discussion	Nortel Networks (Iain Sharp - chair of email discussion)	5	Decision		Proposals agreed. TR 8xx series to start with, list impacted specs and link to database of CRs
SP-040236	LS (from SA WG5) on Push to Talk over Cellular (PoC) Charging Architecture	SA WG5	7.5.2	Information		Noted
SP-040237	LS (from SA WG5) on Assignment of the Diameter codes and identifiers	SA WG5	7.5.2	Information		Noted
SP-040238	TS 32.171-200 Subscription Management (SuM) resources Integration Reference Point (IRP); Requirements - for SA approval	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040239	2 Rel-6 CR 32.101 (Telecommunication management; Principles and high level requirements)	SA WG5	7.5.3	Approval		Approved
SP-040240	Rel-6 CR 32.102 (Telecommunication management; Architecture)	SA WG5	7.5.3	Approval		Approved
SP-040241	Rel-4 CR 32.111-2 (Fault Management; Alarm IRP IS)	SA WG5	7.5.3	Approval		Approved
SP-040242	Rel-6 CR 32.152 (IRP IS UML repertoire)	SA WG5	7.5.3	Approval		Approved
SP-040243	3 Rel-5 CR 32.322/3/4 (Test management IRP IS, CORBA and CMIP SSs)	SA WG5	7.5.3	Approval		Approved
SP-040244	TS 32.342-200 File Transfer (FT) Integration Reference Point (IRP): Information Service (IS) - for SA approval	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6). SA5 asked to update references section
SP-040245	TS 32.352-200 Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS) - for SA approval	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040246	TS 32.353-100 Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS) - for SA approval	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040247	Rel-6 CR 32.362 (Entry Point IRP IS)	SA WG5	7.5.3	Approval		Approved
SP-040248	Rel-6 CR 32.363 (Entry Point IRP CORBA SS)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040249	2 Rel-5/6 CR 32.622 (CM Generic network resources IRP NRM)	SA WG5	7.5.3	Approval		Approved
SP-040250	2 Rel-4/5 CR 32.624 (CM Generic network resources IRP CMIP SS) – Alignment with the IS 32.622	SA WG5	7.5.3	Approval		Approved
SP-040251	7 Rel-5/6 CR 32.622/3/4/5 (CM Generic network resources IRP Requirements/NRM/CORBA/CMIP)	SA WG5	7.5.3	Approval		Approved
SP-040252	Rel-5 CR 32.624 (CM Generic network resources IRP CMIP SS) – Alignment with the IS 32.622	SA WG5	7.5.3	Approval		Approved
SP-040253	Rel-6 CR 32.624 (CM Generic network resources IRP CMIP SS)	SA WG5	7.5.3	Approval		Approved
SP-040254	8 Rel-5/6 CR 32.642/3/4/5 (CM UTRAN network resources IRP Requirements/NRM/CORBA/CMIP), 32.615/655 (XML for Bulk CM IRP/GERAN network resources)	SA WG5	7.5.3	Approval		Approved
SP-040255	Rel-5 CR 32.644 (CM UTRAN network resources IRP CMIP SS)	SA WG5	7.5.3	Approval		Approved
SP-040256	Rel-6 CR 32.645 (CM UTRAN network resources IRP Bulk CM XML)	SA WG5	7.5.3	Approval		Approved
SP-040257	Rel-5 CR 32.654 (CM GERAN network resources IRP CMIP SS)	SA WG5	7.5.3	Approval		Approved
SP-040258	7 Rel-4/5/6 CR 32.615/625/635/645/655 32.615 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources)	SA WG5	7.5.3	Approval		Approved
SP-040259	6 Rel-5 CR 32.615/25/35/45/55 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources)	SA WG5	7.5.3	Approval		Approved
SP-040260	2 Rel-6 CR 32.661/2 (CM Kernel CM Requirements / IS)	SA WG5	7.5.3	Approval		Approved
SP-040261	2 Rel-5/6 CR 32.663 (CM Kernel CM IRP CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-040262	TS 32.741-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements - for SA Information	SA WG5	7.5.3	Information		Noted. Study and send feedback to SA WG5.
SP-040263	TS 32.742-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS) - for SA Information	SA WG5	7.5.3	Information		Noted. Study and send feedback to SA WG5.
SP-040264	TR 32.804-100 Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements **- for SA Information**	SA WG5	7.5.3	Information		Noted. Study and send feedback to SA WG5.
SP-040265	4 Rel-99 CR 32.104 (3G Performance Management), Rel-4/5/6 CR 32.401 (PM Concept and requirements)	SA WG5	7.5.3	Approval		Approved. Consequences if not approved clarified
SP-040266	3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved
SP-040267	2 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved. SA5 asked to ensure changes to Frozen Releases are really essential in future
SP-040268	Status Report from SA WG5 to TSG SA #24	SA WG5 Chairman	7.5.1	Information		Approved
SP-040269	3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved
SP-040270	Rel-6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040271	Rel-6 CR 32.411 (PM IRP Requirements)	SA WG5	7.5.3	Approval		Approved
SP-040272	2 Rel-6 CR 32.412 (PM IRP IS)	SA WG5	7.5.3	Approval		Approved
SP-040273	Rel-6 CR 32.413 (PM IRP CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-040274	TS 32.431-100 Performance measurement collection Integration Reference Point (IRP): Requirements - for SA Information	SA WG5	7.5.3	Information		Noted. Study and send feedback to SA WG5.
SP-040275	2 Rel-5 CR 32.200 (Charging principles), 32.205 (Charging data description for CS domain)	SA WG5	7.5.3	Approval		Approved
SP-040276	Rel-4 CR 32.215 (Charging data description for PS domain)	SA WG5	7.5.3	Approval		Approved
SP-040277	2 Rel-4/5 CR 32.215 (Charging data description for PS domain)	SA WG5	7.5.3	Approval		Approved
SP-040278	3 Rel-5 CR 32.225 (Charging data description for IMS)	SA WG5	7.5.3	Approval		Approved
SP-040279	Revitalization of MAPsec specification work	T-Mobile, Vodafone	7.3.2	Discussion		Noted. WID in SP-040280
SP-040280	Proposed WID: Network Domain Security; MAP application layer security (NDS/MAPsec)	T-Mobile, Vodafone	7.3.2	Approval		Approved (Release dependent on completion of CN work)
SP-040281	Presentation of SA1 to SA #24	SA WG1 Chairman	7.1.1	Information		Noted
SP-040282	Status report of SA1 to SA #24	SA WG1 Chairman/MCC	7.1.1	Information		Noted
SP-040283	CRs to 22.004 on SS applicabilities to Voice Group Services (Rel-4)	SA WG1	7.1.3	Approval		Approved
SP-040284	CRs to 22.078 on SCUDIF corrections for CAMEL interworking (Rel-5/Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040285	CRs to 22.078 on Preconditions for connecting a held party to the group (Rel-5/Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040286	CRs to 21.905 on Definitions and abbreviations (Rel-6)	SA WG1	7.1.3	Approval		CR058 revised in SP-040449. CR057 Approved
SP-040287	CRs to 22.011 on PLMN selection and background scan (Rel-6)	SA WG1	7.1.3	Approval		CR059 and 065 were rejected. All other CRs Approved
SP-040288	CR to 22.101 on Correction of UICC related text (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040289	CR to 22.127 on Correction of open ended OSA high abstraction requirement (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040290	CRs 22.140 on Multimedia Messaging (Rel-6)	SA WG1	7.1.3	Approval		CR044 was revised in SP-040450. CR045 and CR046 approved
SP-040291	CR to 22.146 on Addition of a concept regarding UE joining time (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040292	CR to 22.228 and 22.101 on correction of Rel-5 reference to USIM in Rel-6	SA WG1	7.1.3	Approval		Approved
SP-040293	CR to 22.228 on Duplicated scenarios of Annex A (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040294	CRs to 22.234 on WLAN (Rel-6)	SA WG1	7.1.3	Approval	SP-040475	CR004 discussed off-line and revised in SP-040475. CR002 and CR003 approved
SP-040295	CRs to 22.011 and 22.234 on Priority usage of UICC parameters for I-WLAN (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040296	CRs to 22.950 on Priority Feasibility Study (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040297	CRs to 22.952 on Priority Service Guide (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040298	CR to 22.011 on Support of multiple HPLMN codes in EF_HPLMNwAcT (Rel-7)	SA WG1	7.1.3	Approval		Equivalent PLMN issues need further discussion. Approved
SP-040299	CR to 22. 011 on Multimode terminals with 3GPP capability (Rel-7)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040300	CR to 22.071 on Accuracy of information and Indication of capability (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040301	CR to 22.101 on Location privacy for emergency calls (Rel-7)	SA WG1	7.1.3	Approval		New Terms to be checked and added to TR 29.905 if needed. Approved
SP-040302	New WI on Network Protection against Virus Infected Mobiles	SA WG1	7.1.3	Approval	SP-040470	Revised in SP-040470
SP-040303	New WI on All-IP Network Feasibility Study	SA WG1	7.1.3	Approval		Need better definition of "All-IP". Approved
SP-040304	New WI on Enhancements of VGCS in public networks	SA WG1	7.1.3	Approval		Approved
SP-040305	New WI on Adding media to CS calls and IPMM sessions	SA WG1	7.1.3	Approval	SP-040467	SP-040329 and SP-030330 also discussed. Restructure needed for amalgamated proposal. Revised proposal in SP-040467
SP-040306	New WI on Multi system mobile stations	SA WG1	7.1.3	Approval		Noted that this was to produce a study report. Approved. Axalto also indicated support for the WI
SP-040307	New WI on Network Selection Preferred List	SA WG1	7.1.3	Approval		Returned to SA1 for further discussion and clarification of intended work
SP-040308	New WI on A-GNSS concept to extend A-GPS to include GALILEO	SA WG1	7.1.3	Approval		Approved
SP-040309	New WI on LCS for 3GPP Interworking WLAN	SA WG1	7.1.3	Approval		Approved
SP-040310	Proposed CR against 21.900 : Release Planning: Target date setting	Siemens	8.9 / 9	Approval		Approved
SP-040311	Report of SA2 status	SA WG2 Chairman	7.2.1	Information		Noted
SP-040312	CRs on 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-040313	CRs on 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040314	CRs on 23.125 (IP flow based charging)	SA WG2	7.2.3	Approval		CRs 003, 012 and 014 amagamated in SP-040458. Other CRs approved.
SP-040315	CR on 23.127 (OSA stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040316	CRs on 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-040317	CRs on 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved
SP-040318	CRs on 23.221 (Architecture Requirements)	SA WG2	7.2.3	Approval		SA WG2 asked to create Rel-5 version of TR 23.221. Approved
SP-040319	CRs on 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040320	CRs on 23.234 (WLAN Interworking)	SA WG2	7.2.3	Approval	SP-040454	CR051 revised in SP-040454. Other CRs approved.
SP-040321	CRs on 23.240 (GUP stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040322	CRs on 23.246 (MBMS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040323	CRs on 03.70 and 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040324	CRs on 23.851 (Network Sharing)	SA WG2	7.2.3	Approval		Approved
SP-040325	CR on 23.976 (PUSH stage 2)	SA WG2	7.2.3	Approval	SP-040446	Revised in SP-040446
SP-040326	NEW WID for E2E QoS Enhancements	SA WG2	7.2.3	Approval		Approved
SP-040327	Update on Work Item Description "Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)"	SA WG2	7.2.3	Approval		Approved
SP-040328	NEW WID on IMS enhancements for NGN	SA WG2	7.2.3	Approval		Need for WI agreed. Results of NGN Workshop to be taken into account and new WID proposed afterwards

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040329	Combined WID on SA2 WID Combining CS bearers with IMS with SA1 WID Adding media to CS calls and IPMM sessions	SA WG2	7.2.3	Approval		Discussed with SP-040305
SP-040330	Revised WID on Combining CS bearers with IMS	SA WG2	7.2.3	Approval		Discussed with SP-040305
SP-040331	Updated WID on “Circuit Switched Video and Voice Service”	SA WG2	7.2.3	Approval		Approved
SP-040332	TR 23.898, “Access Class Barring and Overload Protection”, Version 1.0.0	SA WG2	7.2.3	Information		Noted
SP-040333	TR 23.979, "3GPP enablers for OMA PoC Services", Version 1.0.0	SA WG2	7.2.3	Information		Noted
SP-040334	TR 23.977, "Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)", version 2.0.0	SA WG2	7.2.3	Approval	SP-040445	Revised in SP-040445
SP-040335	TS 23.251, "Network Sharing", Version 2.0.0	SA WG2	7.2.3	Approval		Approved (Rel-6)
SP-040336	TR 23.801, "Potential Mechanisms for CS Domain Video and Voice Service Improvements", Version 1.0.0	SA WG2	7.2.3	Information		Noted
SP-040337	TR 23.981, "Interworking aspects and migration scenarios for IPv4 based IMS Implementations", Version 2.0.0	SA WG2	7.2.3	Approval		
SP-040338	Updated WID on "3GPP Access Class Barring and Overload Protection"	SA WG2	7.2.3	Approval		Approved
SP-040339	Draft agenda for TSG SA meeting#24	TSG SA Chairman	2	Approval		Approved
SP-040340	Comments on WID on IMS enhancements for NGN	NTT DoCoMo	7.2.3	Discussion		SA WG2 asked to clarify the roles of other WGs. Approved
SP-040341	TSG-SA WG4 Status Report at TSG-SA#24	SA WG4 Chairman	7.4.1	Information		Noted
SP-040342	3GPP TR 26.935: "Packet Switched Conversational Multimedia Applications; Performance Characterisation of Default Codecs" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040343	3GPP TS 26.243: "ANSI-C code for the Fixed-Point Distributed Speech Recognition Extended Advanced Front-end" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040344	3GPP TS 26.245: "Transparent end-to-end packet switched streaming service (PSS); Timed text format" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040345	3GPP TS 26.246: "Transparent end-to-end packet switched streaming service (PSS); 3GPP SMIL Language Profile" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040346	WITHDRAWN: 3GPP TS 26.273: "Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040425	WITHDRAWN: Version for information in SP-040425
SP-040347	WITHDRAWN: 3GPP TS 26.290: "Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040426	WITHDRAWN: Version for information in SP-040426
SP-040348	WITHDRAWN: 3GPP TS 26.304: "Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040427	WITHDRAWN: Version for information in SP-040427
SP-040349	WITHDRAWN: 3GPP TS 26.401: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040428	WITHDRAWN: Version for information in SP-040428

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040350	WITHDRAWN: 3GPP TS 26.402: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040429	WITHDRAWN: Version for information in SP-040429
SP-040351	WITHDRAWN: 3GPP TS 26.403: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040430	WITHDRAWN: Version for information in SP-040430
SP-040352	WITHDRAWN: 3GPP TS 26.404: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040431	WITHDRAWN: Version for information in SP-040431
SP-040353	WITHDRAWN: 3GPP TS 26.405: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040432	WITHDRAWN: Version for information in SP-040432
SP-040354	WITHDRAWN: 3GPP TS 26.410: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; ANSI-C code" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-040433	WITHDRAWN: Version for information in SP-040433
SP-040355	WITHDRAWN: CRs TS 26.234 on Addition of Release 6 functionality and Addition of PSS audio codecs (Release 6)	SA WG4	7.4.3	Approval	SP-040434	WITHDRAWN: Base specifications not for approval. Remaining CRs in SP-040434
SP-040356	CRs TS 26.235 and TS 26.236 on the introduction of the DSR codec (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040357	CRs TS 26.236 on "RTCP usage for IMS" (Release 5 and Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040358	CRs to lists of specs	MCC (J Meredith)	8.7	Information		Noted. Comments to MCC
SP-040359	Specs status list prior to TSGs#24	MCC (J Meredith)	8.7	Information		Noted. Comments to MCC
SP-040360	Specs status list after TSGs#24	MCC (J Meredith)	8.7	Information		Noted. Comments to MCC
SP-040361	New Work Item Description (WID) form	MCC (J Meredith)	9	Approval	SP-040468	Revised in SP-040468
SP-040362	MCC status report	MCC (J Meredith)	10	Information		Noted
SP-040363	SA WG3 status report to TSG SA #24	SA WG3 Chairman	7.3.1	Information		Noted
SP-040364	Draft Report of SA WG3 meeting #33	SA WG3 Secretary	7.3.1	Information		Noted
SP-040365	Draft TR 33.919 version 1.2.1: Generic Authentication Architecture (GAA); System Description (Release 6)	SA WG3	7.3.3	Information		Noted
SP-040366	Draft TS 33.246 version 1.2.1: Security of Multimedia Broadcast/Multicast Service (Release 6)	SA WG3	7.3.3	Information		Noted
SP-040367	Draft TS 33.141 version 2.0.0: Presence Service; Security (Release 6)	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)
SP-040368	Draft TS 33.222 version 2.0.0: Generic Authentication Architecture (GAA); Access to Network Application Functions using HTTPS (Release 6)	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)
SP-040369	CR to 33.102: Clarification on Authentication re-attempt parameter (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040370	2 CRs to 33.102: Handling of key sets at inter-system change (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040371	CR to 33.105: Correction of inconsistencies in AK computation for re-synchronisation (Rel-4)	SA WG3	7.3.3	Approval		Approved. Rel-5 and Rel-6 versions to be created to updated Rel-4 33.105
SP-040372	CR to 33.203: Correction on IMS confidentiality protection (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040373	CR to 33.203: SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040374	CR to 33.210: Diffie-Hellman groups in NDS/IP (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040375	CR to 33.220: Removal of Annex A (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040376	CR to 33.220: NAF remove the security associations (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040377	CR to 33.220: Removal of editors notes on Transaction Identifiers (Rel-6)	SA WG3	7.3.3	Approval	SP-040447	Revised in SP-040447
SP-040378	CR to 33.220: Introduction of a UICC-based Generic Bootstrapping Architecture (Rel-6)	SA WG3	7.3.3	Approval	SP-040448	Revised in SP-040448
SP-040379	CR to 33.220: Editorial corrections to TS 33.220 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040380	CR to 33.220: Support for NAF in visited network (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040381	CR to 33.220: Editorial changes and clarifications to TS 33.220 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040382	CR to 33.220: Multiple key derivation mandatory (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040383	CR to 33.220: NAF's public hostname verification (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040384	CR to 33.234: Profiling of IKEv2 and ESP for NAT traversal (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040385	CR to 33.234: Sending of temporary identities from WLAN UE (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040386	CR to 33.234: Extension of IKEv2 and IPsec profiles (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040387	CR to 33.234: Support of EAP SIM and AKA in AAA server and WLAN UE (Rel-6)	SA WG3	7.3.3	Approval	SP-040463	Revised in SP-040463
SP-040388	CR to 33.234: Introduction of UE split alternative 2 in TS 33.234 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040389	CR to 33.234: Re-authentication failure notification to HSS (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040390	CR to 33.234: Identity request procedure clarification (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040391	CR to 33.234: WLAN mechanism to allow restrictions on simultaneous sessions (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040392	CR to 33.234: Requirement on keeping WLAN access keys independent from 2G/3G access keys stored in USIM (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040393	CR to 33.310: Removal of inconsistencies regarding SEG actions during IKE phase 1 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040394	CR to 33.310: Removal of unnecessary restriction on CA path length (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040395	CR to 33.310: Correction of 'Extended key usage' extension in SEG Certificate profile (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040396	CR to 33.106: Clarification on delivery of IRI and CC (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040397	CR to 33.107: Correction on Network initiated Mobile Station Detach signalling flow (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040398	CR to 33.107: TEL-URL missing in activation of LI in the CSCFs (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040399	CR to 33.107: Correction on the use of session initiator parameter (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040400	CR to 33.107: Correction to HLR interception event name (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040401	CR to 33.107: Clarification for Push to talk over Cellular (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040402	CR to 33.107: Adding an encryption parameter to IRI across X2 interface (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040403	CR to 33.107: References (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040404	CR to 33.107: Enhancements for the Functional Architecture chapter (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040405	CR to 33.108: Correction on interception identities in multi-media domain (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040406	2 CRs to 33.108: WGS 84 coordinates length correction (Rel-5, Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040407	CR to 33.108: CR offering alignment to ETSI TS 101 671 (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040408	CR to 33.108: Additional text for Definition and Acronym section (Rel-6)	SA WG3 (LI Group)	7.3.3	Approval		Approved
SP-040409	Slides of TSG SA4 Status Report at TSG SA#24	SA WG4 Chairman	7.4.1	Information		Noted
SP-040410	LS (from SA WG2) on transferring the OSA stage 2 responsibility to 3GPP TSG CN WG5	SA WG2	7.2.2	Action		CN5 to discuss and decide by next meeting.
SP-040411	LS (from SA WG2) on interim IMS security	SA WG2	7.2.2	Action		More info needed on why SIM needs to be used for early implementations
SP-040412	Discussion on architecture issues for NSAPI usage on the Gn' interface	Vodafone	7.2.3	Discussion		Revised CR provided in SP-040454
SP-040413	CN#24 Draft report	TSG CN Secretary (MCC)	8.1.1	Information		Noted
SP-040414	CN Chairman's Report (Slides)	TSG CN Chairman	8.1.1	Information	SP-040459	Revised in SP-040459
SP-040415	IETF Status Report	TSG CN Chairman	8.1.1	Information		Noted
SP-040416	LS (from TSG CN) on Input to Q.1741.4	TSG CN	8.1.2			T Secretary to take this to ITU-T for info. Noted
SP-040417	CR 051 on TS23.234	Telefónica Móviles Spain	7.2.3	Approval		Telefonica asked to take this proposal to SA WG2
SP-040418	Request for mutual liaisons between IEEE Media Independent Handover Services Project (IEEE 802.21) and 3GPP	Chairman, IEEE 802.21	6.3	Information		Response LS in SP-040443
SP-040419	LS from T WG2, forwarded to TSG SA from TSG T: Short Codes for SMS,MMS and USSD	TSG T/ T WG2	7.1.2	Information		Noted. In line with SA2 conclusions
SP-040420	3GPP Dependencies on OMA Deliverables	Nortel Networks	6.3	Information		Noted. 3GPP Work Plan may be used to provide this info in future
SP-040421	Letter of support for Mr. Takashi Koshimizu for TSG SA Vice Chairmanship	NTT DoCoMo	9.1	Information		Mr. Takashi Koshimizu elected as Vice Chairman. To be ratified by the PCG.
SP-040422	Selection of a PLMN accessed via an I-WLAN	Nokia	7.1.3	Discussion / Decision		Used during WLAN discussions. Noted
SP-040423	Revised Rel-6 CR 004r1 to TS 22.234	Nokia	7.1.3	Approval		WITHDRAWN - Duplicated document
SP-040424	LS (from GSMA SCAG) to 3GPP-SA on USAT data presentation enhancements	GSMA SCAG	6.3	Discussion /Approval		Noted. Companies asked to consider and contribute to SA1
SP-040425	3GPP TS 26.273: "Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040426	3GPP TS 26.290: "Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040427	3GPP TS 26.304: "Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040428	3GPP TS 26.401: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040429	3GPP TS 26.402: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040430	3GPP TS 26.403: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040431	3GPP TS 26.404: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040432	3GPP TS 26.405: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040433	3GPP TS 26.410: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; ANSI-C code" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted
SP-040434	CR TS 26.234 on Addition of Release 6 functionality (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040435	Mobile Phones and Child Protection	ETSI	6.3	Discussion / Action		Applications and content specified by other groups, who should be asked to protect as necessary
SP-040436	Calendar of 3GPP meetings	MCC	12	Information		Noted
SP-040437	Report of TSG GERAN to TSG SA #24	TSG GERAN Chairman	8.4.1	Information		Noted
SP-040438	Reduction of crime risk	MCC	6.3	Information		Noted. Affected Members asked to study impacts of mandate and contribute to appropriate WGs
SP-040439	Handling of technically motivated Work Items	Nortel Networks	9	Discussion / Decision		Noted. Delegates asked to consider this when creating WIDs
SP-040440	Comments on section 6.4 of proposed WID revision	Nortel Networks	9	Discussion / Decision		Large maintenance overhead. Form to be revised to take comments into account
SP-040441	Draft summary minutes, decisions and actions from 3GPP Project Coordination Group Meeting#12, St Paul de Vence, 14 April 2004	PCG Secretary (A. Scrase)	6.2	Information		Noted
SP-040442	Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#11, St Paul de Vence, 15 April 2004	PCG Secretary (A. Scrase)	6.2	Information		Noted
SP-040443	LS on Request for mutual liaisons between IEEE Media Independent Handover Services Project (IEEE 802.21) and 3GPP	TSG SA	6.3	Approval	SP-040474	Revised in SP-040474

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040444	Response LS on OMA Dependencies on 3GPP Deliverables	TSG SA	6.3	Information	SP-040473	Revised in SP-040473
SP-040445	TR 23.977, "Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)", version 2.0.0	SA WG2	7.2.3	Approval		Approved (Rel-6)
SP-040446	CR on 23.976 (PUSH stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040447	CR to 33.220: Removal of editors notes on Transaction Identifiers (Rel-6)	SA WG3	7.3.3	Approval		Revised cover sheet (Category). Approved
SP-040448	CR to 33.220: Introduction of a UICC-based Generic Bootstrapping Architecture (Rel-6)	SA WG3	7.3.3	Approval		Revised cover sheet (Clauses Affected and Summary of change). Approved
SP-040449	CR058rev1 to 21.905: Addition WLAN UE definition and classes of equipment and abbreviation	SA WG1	7.1.3	Approval	SP-040476	Revised to correct cover sheet in SP-040476
SP-040450	Revised CR044 to 22.140: Support of MMS operator specific services	SA WG1	7.1.3	Approval		Approved
SP-040451	PSS and MMS speech/audio/video codecs in Rel-5	SA WG4 Chairman	7.4.2	Information		Noted
SP-040452	TSG T progress report to SA	TSG T	8.3.1	Information		Noted
SP-040453	TSG T#24 draft meeting report	TSG T	8.3.1	Information		Noted
SP-040454	CRs on 23.234 (WLAN Interworking)	SA WG2	7.2.3	Approval		Approved
SP-040455	3GPP Work Plan	MCC (A. Sultan)	8.6	Information		Noted. Any comments to be sent to MCC
SP-040456	3GPP Work Plan Review Slides	MCC (A. Sultan)	8.6	Information		Presented. Updated version with comments in SP-040480
SP-040457	(Draft) Description of Release 4 Features	MCC (A. Sultan)	8.7	Information		Noted. Any comments to be sent to MCC
SP-040458	Revision of CR003, CR012 CR014 to 23.125	SA WG2	7.2.3	Approval		
SP-040459	CN Chairman's Report (Slides)	TSG CN Chairman	8.1.1	Information		Noted
SP-040460	TSG RAN progress report to SA	TSG RAN Chairman	8.3.1	Information		Noted
SP-040461	TSG RAN #24 draft meeting report	TSG RAN Secretary	8.3.1	Information		Noted
SP-040462	CR to 33.234: Support of EAP SIM and AKA in AAA server and WLAN UE (Rel-6)	SA WG3	7.3.3	Approval		WITHDRAWN - wrong CR included.
SP-040463	CR to 33.234: Support of EAP SIM and AKA in AAA server and WLAN UE (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040464	Proposed Guidance for the issue of new Codecs for MMS	TSG SA Chairman	7.4.1	Approval		Alternative proposal in SP-040471. New proposal in SP-040481
SP-040465	New WI on Feasibility Study on IMS with real time services deployments	Lucent Technologies	7.1.3	Approval		Approved. Charging aspects for this WI should be checked in SA1
SP-040466	WID on Feasibility Study on “IMS services using CS bearers” Building Block (revision of SP-040044)	Nortel Networks	7.1.3	Approval	SP-040479	Revised in SP-040479
SP-040467	New Feasibility study on Combining CS calls and IMS sessions (Building Block) (revision of SP-040305)	Lucent Technologies	7.1.3	Approval		Approved. Small update may be needed after SA1 review
SP-040468	New Work Item Description (WID) form	MCC (J Meredith)	9	Approval		
SP-040469	CR to 03.71: Correction of GERAN location request procedure (Rel-98)	SA WG2 Chairman	7.2.3	Approval		Approved
SP-040470	New WI on Selective Disabling of UE Capabilities	Ericsson, Motorola	7.1.3	Approval	SP-040477	Revised in SP-040477
SP-040471	Way forward for the audio codec decision	Telecom Italia Mobile, T-Mobile, Vodafone, China Mobile, SFR	7.4.1	Discussion		Discussed with SP-040464. Updated proposal from SA Chair in SP-040481
SP-040472	Proposed CR021 to 21.900:	Nortel Networks	9	Approval		Noted. Comments requested to allow agreeable CR when early implementation finalised
SP-040473	Response LS on OMA Dependencies on 3GPP Deliverables	TSG SA	6.3	Information		Revised to remove rev marks in SP-040478

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SP-040474	LS on Request for mutual liaisons between IEEE Media Independent Handover Services Project (IEEE 802.21) and 3GPP	TSG SA	6.3	Approval		Approved
SP-040475	CR004R1 to 22.234 on WLAN (Rel-6)	SA WG1	7.1.3	Approval		Approved. SA not decided if need to specify WLAN selection if 2 WLANs are on same PLMN
SP-040476	CR058 rev2 to 21.905: Addition WLAN UE definition and classes of equipment and abbreviation	SA WG1	7.1.3	Approval		Approved
SP-040477	New WI on Selective Disabling of UE Capabilities	Ericsson, Motorola	7.1.3	Approval		Approved
SP-040478	Response LS on OMA Dependencies on 3GPP Deliverables	TSG SA	6.3	Information		Approved
SP-040479	WID on Feasibility Study on “IMS services using CS bearers” Building Block (revision of SP-040044)	Nortel Networks	7.1.3	Approval		Approved
SP-040480	3GPP Work Plan Slides after SA review and comment	MCC (A. Sultan)	8.6	Information		Noted
SP-040481	Revised Proposed Guidance for the issue of new Codecs for MMS	TSG SA Chairman	7.4.1	Approval		Endorsed as guidance for SA4

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

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104 Participants

C.2 List of eligible Voting members for TSG SA#25

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #22 or #21 (representation of an Individual Member at any of TSG SA Meetings #22, #23 or #24).

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

List Created on: 01 July 2004

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #24**
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
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Corp.	3GPPMEMBER - ATIS	US
AT&T Wireless Services, Inc.	3GPPMEMBER - ATIS	US
Axalto S.A.	3GPPMEMBER - ETSI	FR
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 - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - ATIS	US
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Electronics & Telecommunications Research Institute	3GPPMEMBER - TTA	KR
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - ATIS	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
Flextronics, GSM Division, ODM Products Group	3GPPMEMBER - ETSI	FI
France Telecom	3GPPMEMBER - ETSI	FR
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
Hewlett-Packard, Centre de Compétences France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
Hutchison 3G UK Ltd (3)	3GPPMEMBER - ETSI	GB
IBM EUROPE	3GPPMEMBER - ETSI	DE
IPWireless Inc.	3GPPMEMBER - ETSI	GB
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
KT Freetel Co., Ltd.	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER - ETSI	IL
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
NANJING ERICSSON PANDA COMMUNICATIONS LTD	3GPPMEMBER - CCSA	CN
National Communications System	3GPPMEMBER - ATIS	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
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

Organisation Name	Organisation Status	Country
NOKIA KOREA	3GPPMEMBER - TTA	KR
Nokia Telecommunications Inc.	3GPPMEMBER - ATIS	US
NOKIA UK Ltd	3GPPMEMBER - ETSI	GB
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - ATIS	US
Nortel Networks Germany GmbH & Co. KG	3GPPMEMBER - ETSI	DE
Northstream AB	3GPPMEMBER - ETSI	SE
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
OFCOM	3GPPMEMBER - ETSI	CH
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE SA	3GPPMEMBER - ETSI	FR
Panasonic Mobile Communication Development of Europe Limited (PMCDE)	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
Rogers Wireless Inc.	3GPPMEMBER - ATIS	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics Co., Japan R&D Office	3GPPMEMBER - ARIB	JP
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SFR	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
Siemens nv/sa	3GPPMEMBER - ETSI	BE
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - ATIS	US
SOFTBANK BB CORPORATION	3GPPMEMBER - TTC	JP
SONOFON A/S	3GPPMEMBER - ETSI	DK
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 - ATIS	US
Telcordia Technologies, Inc.	3GPPMEMBER - ATIS	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telecom Modus Limited	3GPPMEMBER - ETSI	GB
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA S.A.	3GPPMEMBER - ETSI	ES
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Tieto Enator Technical Conssultants AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
TTP Communications plc	3GPPMEMBER - ETSI	GB
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
UTStarcom, Inc	3GPPMEMBER - ETSI	US
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB
WAVECOM SA	3GPPMEMBER - ETSI	FR

Total: 102 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #24

D.1 Release 1999 GSM Specifications and reports

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.13.0	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	.
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	.
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	.
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	.
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	.
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31 Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!
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 Nov-00: Created to fill the gap.
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	POIRAUD, Patrick	.
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	CLAYTON, Michael	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	CLAYTON, Michael	. TSG#10:8.1.0
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	.
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	.
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	.
TS	03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	8.5.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.7.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	.
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	TSG#10:8.1.0
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	#32:8.1.0
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	.
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11 .
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.1.1	R99	G1	CARRIZO MARTINEZ, Jose Luis	2003-10-09: Converted from TR to TS. GERAN#2: 8.0.0
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	.
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.12.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.3.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.3.0	R99	N1	MÜNNING, Dirk	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.9.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073. SP-16: 23.073 reverts to GERAN-only.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!) #29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	DAWES, Peter	#31: 8.0.0
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.5.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.22.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.13.0	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.23.0	R99	G2	HOWELL, Andrew	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	DOIG, Ian	
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	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.8.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.11.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.7.0	R99	G1	SÉBIRE, Benoist	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.16.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.19.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.12.0	R99	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	.
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	.
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.1	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.15.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.12.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	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	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	#31: 8.0.0 TSG#10:8.1.0
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.7.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
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. #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.8.0	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). May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.12.0	R99	T3	GUTHERY, Scott B.	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.1	R99	T3	BEGASSAT, Christophe	No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.16.0	R99	T3	WOODSEND, Kristian	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	May 00: R99 not anticipated. TP-18: R99 created.
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
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. GP-09 (Usai) created to fill the Release gap.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain. TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.13.0	R99	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	3.4.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	.
TR	21.801	Specification drafting rules	3.0.0	R99	SP	MEREDITH, John M	Created from Rel-5 at SP-23. Previous Releases were originally covered by ETSI drafting rules. No intention to propagate "21.801" further back than R99.
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. TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0
TR	21.900	Technical Specification Group working methods	3.7.0	R99	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set.
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. TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N4	SMITH, David	NP-24: txferred to N4 on closure of N2.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	IBIDUN, Kunle	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	DEOL, Amar	Transfer>TSG#4,CR at TSG#5 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	IGNATIUS, Jan	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. Created from 02.31 R99.
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). SP-16: Takes over from 02.32 R99.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.4.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 CR to 3.0.1 not aprvd.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	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 .
TS	22.071	Location Services (LCS); Stage 1	3.5.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.2	R99	S1	IBIDUN, Kunle	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	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	SWETINA, Joerg	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	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. August 2001: still debating whether this is GSM-only or common.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DEOL, Amar	Transfer>TSG#4

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	ZARRI, Michele	
TS	22.101	Service aspects; Service principles	3.17.0	R99	S1	DEOL, Amar	
TS	22.105	Services and service capabilities	3.10.0	R99	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	3.4.0	R99	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	MEYER, Juergen	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	SCARRONE, Enrico	.
TR	22.975	Advanced addressing	3.1.0	R99	S1	WATSON, John	.
TS	23.002	Network architecture	3.6.0	R99	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	3.14.0	R99	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	3.6.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.8.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.14.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	Should not be in UMTS ???? .
TS	23.015	Technical realization of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	3.10.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	
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. Created from 03.31 R99.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	CARRIÓN, Inmaculada	
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). SP-16: takes over from 03,35 R99.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
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	3.16.0	R99	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.19.0	R99	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	.
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	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	RINNE, Janne	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	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5 Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25.
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	3.11.0	R99	S2	WONG, Gavin	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5 TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.10.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.19.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	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. TSG#7:Decision to create.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	R99	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	3.17.0	R99	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	3.13.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.14.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.18.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	3.13.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	3.13.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	GERSTENBERGER, Dirk	

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TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	3.9.0	R99	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	3.12.0	R99	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	3.13.0	R99	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	3.12.0	R99	R1	CZAPLA, Liliana	
TS	25.301	Radio Interface Protocol Architecture	3.11.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.16.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	3.14.0	R99	R2	BARRETO, Luis	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.11.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.10.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.3.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.17.0	R99	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	3.18.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.8.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.19.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	3.14.0	R99	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.1	R99	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.8.0	R99	R3	DREVON, Nicolas	

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TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.11.0	R99	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	R99	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.14.1	R99	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.11.0	R99	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	.
TR	25.833	Physical layer items not for inclusion in Release 99	3.0.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03) 2003-11-28: WG Chairman intends that this be brought under change control at RP-22.
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. TSG#10:3.0.0 (is evidently R99 not Rel-4)
TR	25.921	Guidelines and principles for protocol description and error handling	3.11.0	R99	R2	BARRETO, Luis	
TR	25.922	Radio resource management strategies	3.8.0	R99	R2	HUS, Olivier	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	Radio Frequency (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)
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	3.1.0	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4 .
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.5.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5

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TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards. No Rel-4 version. Became 26.115.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM. was 26.075;
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.15.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	.
TS	27.007	AT command set for 3G User Equipment (UE)	3.13.0	R99	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	TSG#8:3.1.0 but this CR not impementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	.
TS	29.002	Mobile Application Part (MAP) specification	3.20.0	R99	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.15.0	R99	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.12.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	.
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	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.11.0	R99	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.19.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 3
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 (OSA) 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. TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM application	3.17.0	R99	T3	RUBON, Jean-Francois	
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)	3.12.0	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 TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.9.0	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	3.7.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.005	Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain	3.7.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.015	Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain	3.12.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	Telecommunication management; 3G Performance Management	3.8.0	R99	S5	HÜBINETTE, Ulf	
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 SP-08: multipart split from parent 3.0.1
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP): Information model (including Network Resource Model (NRM)	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.4.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
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 TSG#8: multipart split from parent 3.0.1
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	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 (SS)	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	33.102	3G security; Security architecture	3.13.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	.
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049 Formerly 33.904.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.16.0	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
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	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.14.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	3.12.0	R99	T1	MAUCKSCH, Thomas	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.6.0	R99	T1	HU, Shicheng	
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. 2002-09-26: Anticipate approval at TP-18.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	.
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	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.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	4.10.0	Rel-4	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TS	21.111	USIM and IC card requirements	4.1.0	Rel-4	T3	KALINER, Stefan	2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5 version. TP-16: decided to upgrade to Rel-5.
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.4.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	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	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4 TSG#8: CR proposed creation, but not aprvd.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	DEOL, Amar	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	IGNATIUS, Jan	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. Created from 42.031 Rel-4.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). SP-16: Takes over from 42.032 Rel-4.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	CLAYTON, Michael	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	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.6.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	HECHWARTNER, Roland	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	IBIDUN, Kunle	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	SWETINA, Joerg	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	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	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Apr2001: V3 unwithdrawn, so Rel-4 version produced.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.10.0	Rel-4	S1	DEOL, Amar	based on 3.9.0
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	4.1.0	Rel-4	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	MEYER, Juergen	(development in T2) based on 3.0.0
TS	23.002	Network architecture	4.8.0	Rel-4	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	4.8.0	Rel-4	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	4.2.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.3.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.9.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
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	23.015	Technical realization of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.4.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
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. Created from 43.031 Rel-4.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	CARRIÓN, Inmaculada	
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). SP-16: takes over from 43.035 Rel-4
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.8.0	Rel-4	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	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	4.9.0	Rel-4	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.11.1	Rel-4	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 3.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
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	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	Rel-4	S2	RINNE, Janne	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98. 2002-02-26: Hietalahti proposes to withdraw, no further interest, unmaintained. 2002-04-15: N1-23 decision to continue to Rel-5. 2002-06-27: (Jorgensen) if R99 and Rel-5 exist, so musts Rel-4, so re-instated.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25.
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.10.0	Rel-4	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.10.0	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	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.11.0	Rel-4	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. post-TSG#8: Recombined Rel99 2G and 3G specs (respectively 03.71 and 23.171).
TR	23.873	Feasibility study for transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	

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TR	23.910	Circuit switched data bearer services	4.8.0	Rel-4	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.3.0	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	4.14.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	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	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	4.11.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	4.8.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	4.8.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.4.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.13.0	Rel-4	R4	GUERRINI, Claudio	

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TS	25.133	Requirements for support of radio resource management (FDD)	4.12.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	4.8.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	4.9.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	4.10.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107 Was to have been 25.107. But never was.
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	GERSTENBERGER, Dirk	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	4.4.0	Rel-4	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	4.7.0	Rel-4	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	4.10.0	Rel-4	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	4.8.0	Rel-4	R1	CZAPLA, Liliana	
TS	25.301	Radio Interface Protocol Architecture	4.4.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.8.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	4.8.0	Rel-4	R2	BARRETO, Luis	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.7.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.9.0	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	4.3.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.10.0	Rel-4	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	4.12.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.4.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.14.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	4.1.0	Rel-4	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.12.0	Rel-4	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.10.0	Rel-4	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	4.2.0	Rel-4	R3	PALAT, Sudeep	

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TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.12.1	Rel-4	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.4.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.5.0	Rel-4	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.4.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	4.0.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN Iub interface NBAP signalling	4.12.0	Rel-4	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.6.0	Rel-4	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	4.0.0	Rel-4	R1	SASAKI, Tsukasa	RP-15: Not to be promoted to Rel-5. 2003-11-28: WG Chairman indicates that the doc is contentious, and cannot easily be brought under change control. RP-22: Neverthless, brought under change control; no further work envisaged.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	RP-15: Not to be promoted to Rel-5.
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	RP-15: No upgrade to Rel-5.
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	RP-15: No upgrade to Rel-5.
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	RP-15: No upgrade to Rel-5.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. RP-15: No upgrade to Rel-5.
TR	25.921	Guidelines and principles for protocol description and error handling	4.8.0	Rel-4	R2	BARRETO, Luis	
TR	25.922	Radio resource management strategies	4.3.0	Rel-4	R2	HUS, Olivier	
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. RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.942	Radio Frequency (RF) system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	

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TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04) RP-15: Not to be promoted to Rel-5.
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service (QoS) Negotiation over Iu	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	Derived from 26.914 R99.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.3.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.2.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	2002-06-18: not useful to upgrade to Rel-5?

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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 Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.12.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.6.0	Rel-4	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	N3	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	TP-15: Not to be promoted to Rel-5.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4 TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.15.0	Rel-4	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.11.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.8.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
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	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.5.0	Rel-4	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.11.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	4.10.0	Rel-4	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 3
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)

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.5	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.8.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.8.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	BELLING, Thomas	
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	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
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	31.102	Characteristics of the USIM application	4.13.0	Rel-4	T3	RUBON, Jean-Francois	
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)	4.11.0	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	4.8.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.5.0	Rel-4	S5	BERGGREN, Tommy	
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 (IS)	4.7.0	Rel-4	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 (SS)	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 (SS)	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.7.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.8.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	.
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 (IS)	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.5.0	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 (SS)	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-2 .
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.4.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.7.0	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 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 (SS)	4.3.0	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 (SS)	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 (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
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 (IS)	4.6.0	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 (SS)	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 (SS)	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	4.5.0	Rel-4	S5	TOCHE, Christian	was 32.602-5 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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 (SS)	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 (SS)	4.6.0	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)	4.4.0	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 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	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 (SS)	4.3.0	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 (SS)	4.3.0	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 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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 (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	.
TS	33.102	3G security; Security architecture	4.5.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	SP-15: Not to be promoted to Rel-5.
TS	33.105	Cryptographic algorithm requirements	4.2.0	Rel-4	S3	CHIKAZAWA, Takeshi	SP-15: Not to be promoted to Rel-5. SP-24: Decision reversed, promoted to Rel-5 and -6.
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-15: Not to be promoted to Rel-5.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	SP-15: Not to be promoted to Rel-5.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.908	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 SP-15: Not to be promoted to Rel-5.
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10. SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.11.0	Rel-4	T1	CHALABI, Nouhman	TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
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	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	4.1.0	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	4.10.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.124	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	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR. TSG#11:changed to Rel-4.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:Formerly 35.209 Rel-99 (but never made available)
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.11.0	Rel-4	SP	MEREDITH, John M	.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
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	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	POIRAUD, Patrick	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.3.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.6.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.5.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service. .
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
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) TSG#11: Replaces 24.012 for Rel-4 on.
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	DAWES, Peter	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.3.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.17.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.9.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	

Type	Number	Title	Ver at TSG#24	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	4.16.0	Rel-4	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
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	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical layer on the radio path; General description	4.3.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.14.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.13.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.5.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.10.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.7.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	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. #32:9.0.0 MCC-converted Aug00:4.0.1
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	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.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.12.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application". TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.1.0	Rel-4	T3	BEGASSAT, Christophe	TP-15: New WI approved in TP-020029.
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	4.3.0	Rel-4	T3	WOODSEND, Kristian	RP-11: TSG-T agreed not to have a rel-4 version. The 3G equivalent (31.111) will be upgraded to include a GSM-only annex. TP-18: This spec resurrected, based on ETSI TS 102 223 Rel-4 (via a CR to 11.14 R99).
TS	51.021	GSM radio aspects base station system equipment specification	4.4.0	Rel-4	G1	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G1	BUSIN, Ake	.
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	.
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#24	Rel	TSG/ WG	Editor	Comment
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048. TP-24: target for approval = TP-25.
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 Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
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 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze indicates that Rel-4 will eventually be produced, so this Release reinstated (though existing so-called draft v0.0.1 is still scrapped).

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.7.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	5.1.0	Rel-5	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	5.1.0	Rel-5	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	5.8.0	Rel-5	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. .
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	5.1.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	IBIDUN, Kunle	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 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DEOL, Amar	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	IGNATIUS, Jan	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. Created from 42.031 Rel-5.
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	5.4.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WATSON, John	Transfer>TSG#4 .
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	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	CLAYTON, Michael	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	5.4.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.14.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	IBIDUN, Kunle	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	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	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	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.101	Service aspects; Service principles	5.13.0	Rel-5	S1	DEOL, Amar	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.105	Services and service capabilities	5.2.0	Rel-5	S1	ZARRI, Michele	.
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.4.0	Rel-5	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	.
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	MEYER, Juergen	(development in T2) .
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	CLAYTON, Michael	SP-16: to "GERAN" set. WI approved TSG#7
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WATSON, John	.
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	BARNES, Nigel	.
TS	23.002	Network architecture	5.12.0	Rel-5	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	5.9.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.7.0	Rel-5	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	5.8.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
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	23.015	Technical realization of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	5.3.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	5.9.0	Rel-5	N4	PARK, Ian David Chalmers	.
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. Created from 43.031 Rel-5.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility? .
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1	CARRIÓN, Inmaculada	.
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	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.040	Technical realization of Short Message Service (SMS)	5.7.1	Rel-5	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. .
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.2.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4 .
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	5.8.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048, .
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft. .
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title. .
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	5.8.0	Rel-5	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4 .
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.3.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.8.0	Rel-5	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 4.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.5.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5 .
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 .
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
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	23.101	General UMTS Architecture	5.0.1	Rel-5	S2	OLSSON, Magnus	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.12.0	Rel-5	S2	RINNE, Janne	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. 2002-04-15: N1-23 decision to continue to Rel-5.
TS	23.110	UMTS Access Stratum Services and Functions	5.0.0	Rel-5	S2	LOPEZ-TORRES, Oscar	.
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	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.3.0	Rel-5	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. .
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.11.0	Rel-5	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. 2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available. 2004-01-12: (Rodermund) WAP Forum (now OMA) elements for MMS Rel-5 are ready.
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.8.0	Rel-5	N4	HODGES, Phil	New after TSG#5 .
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.3.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895. SP-20: approved as a Rel-5 document, not Rel-6.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.7.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.9.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.7.0	Rel-5	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	5.10.0	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. WI approved TSG#7
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.12.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	.
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.11.0	Rel-5	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. .
TS	23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.5.0	Rel-5	N4	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178. NP-24: txferred to N4 on closure of N2. Was briefly 23.178. CAMEL Phase 4.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915. 2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	Not to progress to Rel-6: see 23.271.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974. .
TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval) .
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.2.0	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	5.12.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface". .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.4.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	24.228	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.9.0	Rel-5	N1	KISS, Krisztian	
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.9.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	5.11.0	Rel-5	R4	FERNANDES, Edgar	.
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	5.6.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	5.8.0	Rel-5	R4	SKÖLD, Johan	.
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	5.6.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.106	UTRA repeater radio transmission and reception	5.8.0	Rel-5	R4	NILSSON, Martin	.
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.5.0	Rel-5	R4	BARNES, David	.
TS	25.123	Requirements for support of radio resource management (TDD)	5.9.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.11.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	5.8.0	Rel-5	R4	NAKAMURA, Takaharu	.
TS	25.142	Base Station (BS) conformance testing (TDD)	5.7.0	Rel-5	R4	MEYER, Juergen	.
TS	25.143	UTRA repeater conformance testing	5.8.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107 .
TS	25.201	Physical layer - general description	5.2.0	Rel-5	R1	GERSTENBERGER, Dirk	.
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.5.0	Rel-5	R1	PARKVALL, Stefan	.
TS	25.212	Multiplexing and channel coding (FDD)	5.9.0	Rel-5	R1	MICHEL, Jürgen	.
TS	25.213	Spreading and modulation (FDD)	5.5.0	Rel-5	R1	WILLENEGGER, Serge	.
TS	25.214	Physical layer procedures (FDD)	5.9.0	Rel-5	R1	BOUMENDIL, Sarah	.
TS	25.215	Physical layer; Measurements (FDD)	5.5.0	Rel-5	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	CHAPMAN, Thomas	.
TS	25.222	Multiplexing and channel coding (TDD)	5.6.0	Rel-5	R1	BEALE, Martin	.
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	ANDERSON, Nicholas	.
TS	25.224	Physical layer procedures (TDD)	5.7.0	Rel-5	R1	RUDOLF, Marian	.
TS	25.225	Physical layer; Measurements (TDD)	5.7.0	Rel-5	R1	CZAPLA, Liliana	.
TS	25.301	Radio Interface Protocol Architecture	5.2.0	Rel-5	R2	GRANZOW, Wolfgang	.
TS	25.302	Services provided by the physical layer	5.7.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5? .
TS	25.303	Interlayer procedures in Connected Mode	5.1.0	Rel-5	R2	RINNE, Mikko J	.
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	5.5.0	Rel-5	R2	BARRETO, Luis	.
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.9.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.8.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.2.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.5.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. .
TS	25.321	Medium Access Control (MAC) protocol specification	5.9.0	Rel-5	R2	STADLER, Thomas	.
TS	25.322	Radio Link Control (RLC) protocol specification	5.8.0	Rel-5	R2	MADELAINE, Sebastien	.
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	.
TS	25.324	Broadcast/Multicast Control (BMC)	5.4.0	Rel-5	R2	HARTL, Mike	.
TS	25.331	Radio Resource Control (RRC) protocol specification	5.9.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN overall description	5.8.0	Rel-5	R3	GODIN, Philippe	Approval at TSG#5 .
TS	25.402	Synchronisation in UTRAN Stage 2	5.3.0	Rel-5	R3	KUNZ, Walter	New .
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.4.0	Rel-5	R3	DIESEN, Michael	Approval at TSG#5 .
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.412	UTRAN Iu interface signalling transport	5.1.0	Rel-5	R3	NG, Cheng Hock	.
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.9.0	Rel-5	R3	GUYOT, Olivier	.
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.6.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.415	UTRAN Iu interface user plane protocols	5.3.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.7.0	Rel-5	R3	MCWILLIAMS, Brendan	.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.2.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.10.0	Rel-5	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.5.0	Rel-5	R3	KEKKI, Sami	.
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.3.0	Rel-5	R3	HAKULI, Tuomas	.
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.3.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.432	UTRAN Iub interface: signalling transport	5.1.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	5.9.0	Rel-5	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	LAVASANI, Shahab	.
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	HAUSER, Alexander	.
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	JOLLEY, Vincent	.
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.9.0	Rel-5	R3	JOLLEY, Vincent	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	N, A	.
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	.
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena Eva	.
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	HAUTALA, Jari	2003-01: title changed from "Traffic termination point swapping" some time ago. .
TR	25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	.
TR	25.882	1,28 Mcps TDD option base station classification	5.0.0	Rel-5	R4	MEYER, Juergen	.
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena Eva	Previous rapporteur: Shahrokh Amirijoo. .
TR	25.921	Guidelines and principles for protocol description and error handling	5.5.0	Rel-5	R2	BARRETO, Luis	.
TR	25.922	Radio resource management strategies	5.3.0	Rel-5	R2	HUS, Olivier	.
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	.
TR	25.933	IP transport in UTRAN	5.4.0	Rel-5	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.942	Radio Frequency (RF) system scenarios	5.3.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	.
TR	25.945	RF requirements for low chip rate TDD option	5.1.0	Rel-5	R4	ZHANG, Daijun	.
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	. .
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.1.0	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	5.3.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	5.0.1	Rel-5	S4	USAI, Paolino	.
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	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	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	.

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TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	5.2.0	Rel-5	S4	NAVARRO, William	.
TS	26.103	Speech codec list for GSM and UMTS	5.4.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.4.0	Rel-5	S4	USAI, Paolino	.
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	.
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.1.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5 .
TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.4.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.2.0	Rel-5	S4	CASTAGNO, Roberto	.
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.8.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.2.0	Rel-5	S4	N, A	.
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. TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	5.6.0	Rel-5	S4	FRANCESCHI, Olle	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.5.0	Rel-5	S4	OJALA, Pasi	.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.1.0	Rel-5	S4	HAAVISTO, Petri	.

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TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	5.0.0	Rel-5	S4	VARSA, Viktor	2003-01-14: WG Secretary reports that this TS should be approved at SP-19. SP-19: still under revision, anticipated for approval at SP-20.
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	5.1.0	Rel-5	S4	VAINIO, Janne	Cf 26.975. .
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.8.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	27.007	AT command set for 3G User Equipment (UE)	5.4.0	Rel-5	T2	CHRISTENSEN, Soren	.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	BROOK, Richard	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.6.0	Rel-5	N3	BOSWARTHICK, David	GPRS .
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	.
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	REX, Thomas	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.4.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4 .
TS	29.002	Mobile Application Part (MAP) specification	5.10.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.10.0	Rel-5	N3	KLEHN, Norbert	.
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.6.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??) .
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
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	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	DAWES, Peter	.
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.5.0	Rel-5	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.10.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	5.9.0	Rel-5	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". NP-16: some indications from N3 report that this spec should not be considered frozen yet. So change freeze date from March 2002 to Sept 2002.

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TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.8.0	Rel-5	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.4.0	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	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.5.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.5.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.5.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.2.0	Rel-5	N4	ANGELO, Ciriaco	.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	5.1.0	Rel-5	N4	HEIDERMARK, Alf	.
TS	29.207	Policy control over Go interface	5.8.0	Rel-5	N3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". .
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.8.0	Rel-5	N3	SILLANPÄÄ, Anna	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.8.0	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	5.7.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. .
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.7.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT .
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.2.0	Rel-5	N4	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2. NP-24: txferred to N4 on closure of N2. TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.7.0	Rel-5	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	5.6.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	.
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	N3	BELLING, Thomas	
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. NP-11:creation 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	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
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	5.0.3	Rel-5	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143. .Was originally Rel-6, but moved to Rel 5 NP-15.
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.
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. TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM application	5.9.0	Rel-5	T3	RUBON, Jean-Francois	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.6.0	Rel-5	T3	RUBON, Jean-Francois	2004-05-07:additional rapporteur: Peter Vestergaad. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.6.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14. .
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.4.0	Rel-5	T3	KALINER, Stefan	.
TS	32.101	Telecommunication management; Principles and high level requirements	5.5.0	Rel-5	S5	TRUSS, Michael	.
TS	32.102	Telecommunication management; Architecture	5.6.0	Rel-5	S5	BERGGREN, Tommy	.
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 (IS)	5.4.0	Rel-5	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 (SS)	5.5.1	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 (SS)	5.7.1	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.200	Telecommunication management; Charging management; Charging principles	5.7.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.7.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.6.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.6.0	Rel-5	S5	TEPPO, Patrik	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.4.0	Rel-5	S5	GOERMER, Gerald	.
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 (IS)	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 (SS)	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	TSE, Edwin	.
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.3.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.7.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	5.0.1	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 (SS)	5.3.0	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 (SS)	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 (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
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 (IS)	5.3.0	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 (SS)	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	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	5.5.0	Rel-5	S5	TOCHE, Christian	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)	5.4.0	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 (SS)	5.3.0	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 (SS)	5.4.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.620-4 .
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.3.0	Rel-5	S5	TOCHE, Christian	.
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)	5.5.0	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	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4 .
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.3.0	Rel-5	S5	TOCHE, Christian	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)	5.4.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.3.0	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 (SS)	5.5.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.622-4 .
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.5.0	Rel-5	S5	TOCHE, Christian	.
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)	5.3.0	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 (SS)	5.2.0	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 (SS)	5.4.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TS	32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.5.0	Rel-5	S5	TOCHE, Christian	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	5.2.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	PAL, Tapinder	SP-15: will not exist in Rel-5. SP-17 Oh yes it will!
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	SP-15: will not exist in Rel-5. SP-17: Yes it will!
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	RAYMER, David	.
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	.
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	.
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	.
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	TRUSS, Michael	SP-21: No rapporteur, work stopped.
TS	33.102	3G security; Security architecture	5.4.0	Rel-5	S3	BLOMMAERT, Marc	.
TS	33.105	Cryptographic algorithm requirements	5.0.0	Rel-5	S3	CHIKAZAWA, Takeshi	.
TS	33.106	Lawful interception requirements	5.1.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.6.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.8.0	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	33.203	3G security; Access security for IP-based services	5.8.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.5.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.108	Common test environments for User Equipment (UE) conformance testing	5.1.0	Rel-5	T1	CHALABI, Nouhman	.
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	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	5.4.0	Rel-5	T1	HIGUCHI, Kenji	.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	5.0.0	Rel-5	T1	MAUCKSCH, Thomas	.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.8.0	Rel-5	T1	SULTAN, Alain	.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.8.0	Rel-5	T1	HU, Shicheng	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.4.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10 .
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	5.1.0	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 .

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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 .
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	5.0.0	Rel-5	S3	WRIGHT, Tim	.
TR	41.033	Lawful Interception requirements for GSM	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	5.7.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240. .
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99. .
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	POIRAUD, Patrick	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	NP-21: Decision not to progress this to Rel-6.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	.
TS	43.013	Discontinuous Reception (DRX) in the GSM system	5.0.0	Rel-5	G1	USAI, Paolino	.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.6.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013. .
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000. .
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TR	43.030	Radio network planning aspects	5.1.0	Rel-5	G1	TEGTH, Ulf	.
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.

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TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.10.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	5.0.0	Rel-5	G1	GIRAUD, Alexis	.
TS	43.055	Dual Transfer Mode (DTM); Stage 2	5.2.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	.
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.4.0	Rel-5	G1	LIVINGSTON, Margaret	.
TS	43.064	Overall description of the GPRS radio interface; Stage 2	5.3.0	Rel-5	G1	LEPPISAARI, Arto	.
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	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	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	5.3.0	Rel-5	G2	ISAACS, Ken	.
TS	44.005	Data Link (DL) Layer General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
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	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	DAWES, Peter	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.2.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.15.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.8.0	Rel-5	G2	GARAPATY, Sonia	.
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	5.0.1	Rel-5	G2	GARAPATY, Sonia	.
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	.

Type	Number	Title	Ver at TSG#24	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	5.11.0	Rel-5	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol .
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.1.0	Rel-5	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only. .
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	.
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	.
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	5.9.0	Rel-5	G2	VIRTEJ, Iuliana	.
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	5.8.0	Rel-5	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2. .
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	2003-07-03 (JMM): WI UID 23011?. See also 25.901. .
TS	45.001	Physical layer on the radio path; General description	5.7.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	5.12.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.9.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.1	Rel-5	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	5.9.0	Rel-5	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	5.15.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.5.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	5.3.0	Rel-5	G1	JOKINEN, Harri	.
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	.
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TS	45.056	CTS-FP Radio Sub-system	5.0.0	Rel-5	G1	USAI, Paolino	.
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	.
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	.
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	5.0.0	Rel-5	S4	NAVARRO, William	.
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	SERENO, Daniele	.
TS	46.020	Half Rate Speech Transcoding	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	46.032	Voice Activity Detection (VAD)	5.0.0	Rel-5	S4	BARRETT, Paul	.
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	BARRETT, Paul	.
TS	46.051	GSM Enhanced full rate speech processing functions: General description	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	5.0.0	Rel-5	S4	SALEM, Tarek	.
TS	46.060	Enhanced full rate speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	.
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.12.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.10.0	Rel-5	G2	BLACK, Jyoti	.
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.6.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	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	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.4.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.8.0	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	5.8.1	Rel-5	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)	5.1.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5. .
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	5.1.0	Rel-5	T3	BEGASSAT, Christophe	TP-16: WI is TP-020122.
TS	51.021	GSM radio aspects base station system equipment specification	5.3.0	Rel-5	G1	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G1	BUSIN, Ake	.
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402. SP-18: Expected to be raised to Rel-5 at SP-19.

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	none	Rel-5	S2	MILINSKI, Alexander	SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert 23.881 to 23.981. Agreed at S2-39. SP-24: to be back-created by CRs to the Rel-6 instance.
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. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	Security mechanisms for the (U)SIM application toolkit; Test specification	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	none	Rel-5	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2) 2003-07-15 (Dietze): It is the intention that a Rel-5 be created - eventually. TP-24: Creation postponed to T3 AdHoc mtg. T3 needs guidance T on whether EF_KC has to be stored on the USIM when accessing a GERAN.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	1.2.0	Rel-5	T1	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004. TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!!)
TS	51.010-5	Mobile Station (MS) conformance specification; Part 5: GERAN / UTRAN interaction Abstract Test Suite (ATS)	0.0.0	Rel-5	G3new	HU, Shicheng	Should number really be 31.010-5? .

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.111	USIM and IC card requirements	6.1.0	Rel-6	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	6.0.0	Rel-6	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	6.2.0	Rel-6	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-21: On closure of Evolution group, confirmed that ownership stays with SA. SP-20: expect revised drafts 2003-06-20 & 2003-09-05. SP-21: approved as Rel-6 document.
TR	21.905	Vocabulary for 3GPP Specifications	6.7.0	Rel-6	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. .
TS	22.011	Service accessibility	6.4.0	Rel-6	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	6.0.0	Rel-6	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.2.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.041	Operator Determined Call Barring	6.2.0	Rel-6	S1	WATSON, John	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	6.7.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.5.0	Rel-6	S1	GRECH, Michel	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.094	Follow Me service description - Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.101	Service aspects; Service principles	6.8.0	Rel-6	S1	DEOL, Amar	SP-020234 slide 11 justifies existence.
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	ZARRI, Michele	.
TS	22.115	Service Aspects Charging and billing	6.4.0	Rel-6	S1	SCARRONE, Enrico	.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.6.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.1.0	Rel-6	S1	SAMPSON, Nick	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.6.0	Rel-6	S1	MEYER, Juergen	(development in T2) .
TS	22.141	Presence service; Stage 1	6.2.0	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.5.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246. .
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WATSON, John	SP-15: Timed out of Rel-5. SP-18: S1 seems to have lost interest in this spec. Known to be some holes in it.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.6.0	Rel-6	S1	CATALDO, Mark	SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WATSON, John	.
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.3.0	Rel-6	S1	BOOTE, Michael	Cf work item 'Generic user profile" SP-17: Expected for SP-18.
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. SP-24: debate on whether or not still needed in view of St 1 at OMA. Conclusion yes, for now. .
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	WI UID = 31006 Delayed from Rel-5.
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.1.0	Rel-6	S1	CURCIO, Igor	SP-20: WID = SP-030347. .
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	.
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	LAATU, Juho	2002-10-08: created from 22.940. .
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	6.0.0	Rel-6	S1	FRANK, Robert	SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	WOODWARD, Ernest	.
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	YOUNGE, Mark	SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved! 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.949	Study on a generalized privacy capability	6.0.0	Rel-6	S1	BOOTE, Michael	WI: PrivCap. .
TR	22.950	Priority service feasibility study	6.3.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR. .
TR	22.951	Service aspects and requirements for network sharing	6.1.0	Rel-6	S1	ZARRI, Michele	TP-16: anticipate v1.0.0 at TP-17.
TR	22.952	Priority service guide	6.1.0	Rel-6	S1	GARRAHAN, James	Work item = PRIOR. SP-21: S2: "No stage 2 TS needed." Target is to approve at SP-22. SP-22: Concerns that the TR may have been drafted to meet US legislation only.
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	.
TS	23.002	Network architecture	6.5.0	Rel-6	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.003	Numbering, addressing and identification	6.3.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	6.0.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	6.2.0	Rel-6	N4	BAUER, Rolf	.
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	6.1.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	6.2.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.038	Alphabets and language-specific information	6.0.0	Rel-6	T2	HARRIS, Ian	.
TS	23.040	Technical realization of Short Message Service (SMS)	6.4.0	Rel-6	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. .
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.2.0	Rel-6	T2	HARRIS, Ian	Transfer>TSG#4 .
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.2.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title. .
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	6.5.0	Rel-6	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4 .
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.2.0	Rel-6	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. .
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 .
TS	23.107	Quality of Service (QoS) concept and architecture	6.1.0	Rel-6	S2	RINNE, Janne	was 23.907 SP-22: Rel-6 doc not to be created yet. CRs kept on ice.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	6.1.0	Rel-6	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2	6.1.0	Rel-6	S2	BOMAN, Krister	WI UID = 32030. SP-23: to be completed by SP-24.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	6.1.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.6.0	Rel-6	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. TP-22: Discussed whether this work would be transferred to OMA for future Releases (I.e. beyond Rel-6). But there are IPR problems.
TS	23.141	Presence service; Architecture and functional description; Stage 2	6.6.0	Rel-6	S2	BERTENYI, Balazs	.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.3.0	Rel-6	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	6.1.0	Rel-6	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	6.3.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121 .
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.6.0	Rel-6	S2	TOWLE, Thomas	SP-21: Envisage modifications to cater for PoC feature.
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	6.1.0	Rel-6	S2	MARTIQUET, Nicolas	SP-18: Anticipate approval SP-19. SP-19: Doc has been split into scenario 2 and scenario 3 parts, and will be for approval at SP-20.
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.4.0	Rel-6	S2	KOSKINEN, Harri	Cf work item 'Generic user profile" SP-19: moved from Rel-5
TS	23.241	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	6.1.0	Rel-6	N4	BISCHINGER, Kurt	Cf work item 'Generic user profile". NP-24/TP-24: txferred from T2 to N4. RP-15: Delayed from Rel-5.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.3.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846. SP-15: from Rel-5.
TS	23.251	Network sharing; Architecture and functional description	6.0.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.8.0	Rel-6	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. Continues 23.871
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	BERTENYI, Balazs	TP-16: clear that service is Rel-6.
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. SP-15: To be a Rel-6 service, not Rel-5.
TS	23.851	Network sharing; Architecture and functional description	6.1.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TR	23.877	Architectural aspects of speech-enabled services	6.0.0	Rel-6	S2	XUAN, Qing	WID = SP-030305 (though this tdoc is actually withdrawn!). .
TR	23.895	Provision of UE specific behaviour information to network entities	6.2.0	Rel-6	S2	PUDNEY, Chris	.
TR	23.976	Push architecture	6.1.0	Rel-6	S2	ALFANO, Nicholas	2003-02-04: 23.876 -> 23.976 .
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	6.0.0	Rel-6	S2	SEISER, Franz	Work Item: Bandwidth and Resource savings and Speech enhancements for CS networks (S2-032137) SP-23: anticipate v2.0.0 at SP-24.
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	6.0.0	Rel-6	S2	MILINSKI, Alexander	SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert 23.881 to 23.981. Agreed at S2-39.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	6.1.0	Rel-6	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5 .
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.5.0	Rel-6	N1	HOWELL, Andrew	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	6.1.0	Rel-6	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.0.0	Rel-6	N1	DRAGE, Keith	WI = PRSNC (UID 2499) .
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.3.0	Rel-6	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS. .
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	6.0.0	Rel-6	N1	DRAGE, Keith	.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.4.0	Rel-6	R4	FERNANDES, Edgar	RP-16 agreed not to implement the CR creating this Release.
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	6.0.0	Rel-6	R4	KOTTKAMP, Meik	.
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	6.6.0	Rel-6	R4	SKÖLD, Johan	.
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	6.1.0	Rel-6	R4	KOTTKAMP, Meik	created for M.1457 update
TS	25.106	UTRA repeater radio transmission and reception	6.1.0	Rel-6	R4	NILSSON, Martin	created for M.1457 update
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	6.0.0	Rel-6	R4	BARNES, David	created for M.1457 update
TS	25.123	Requirements for support of radio resource management (TDD)	6.2.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	6.6.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	6.6.0	Rel-6	R4	NAKAMURA, Takaharu	.
TS	25.142	Base Station (BS) conformance testing (TDD)	6.1.0	Rel-6	R4	MEYER, Juergen	created for M.1457 update

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.143	UTRA repeater conformance testing	6.1.0	Rel-6	R4	KUMMETZ, Thomas	Created by renumbering 25.107 created for M.1457 update
TS	25.201	Physical layer - general description	6.0.0	Rel-6	R1	GERSTENBERGER, Dirk	created for M.1457 update
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.1.0	Rel-6	R1	PARKVALL, Stefan	created for M.1457 update
TS	25.212	Multiplexing and channel coding (FDD)	6.2.0	Rel-6	R1	MICHEL, Jürgen	created for M.1457 update
TS	25.213	Spreading and modulation (FDD)	6.0.0	Rel-6	R1	WILLENEGGER, Serge	created for M.1457 update
TS	25.214	Physical layer procedures (FDD)	6.2.0	Rel-6	R1	BOUMENDIL, Sarah	created for M.1457 update
TS	25.215	Physical layer; Measurements (FDD)	6.0.0	Rel-6	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.1.0	Rel-6	R1	CHAPMAN, Thomas	created for M.1457 update
TS	25.222	Multiplexing and channel coding (TDD)	6.0.0	Rel-6	R1	BEALE, Martin	created for M.1457 update
TS	25.223	Spreading and modulation (TDD)	6.0.0	Rel-6	R1	ANDERSON, Nicholas	created for M.1457 update
TS	25.224	Physical layer procedures (TDD)	6.1.0	Rel-6	R1	RUDOLF, Marian	created for M.1457 update
TS	25.225	Physical layer; Measurements (TDD)	6.1.0	Rel-6	R1	CZAPLA, Liliana	created for M.1457 update
TS	25.301	Radio Interface Protocol Architecture	6.0.0	Rel-6	R2	GRANZOW, Wolfgang	created for M.1457 update
TS	25.302	Services provided by the physical layer	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5? created for M.1457 update
TS	25.303	Interlayer procedures in Connected Mode	6.0.0	Rel-6	R2	RINNE, Mikko J	created for M.1457 update
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	6.2.0	Rel-6	R2	BARRETO, Luis	created for M.1457 update
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	Created from 25.923 created for M.1457 update
TS	25.306	UE Radio Access capabilities definition	6.2.0	Rel-6	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. created for M.1457 update
TS	25.307	Requirements on UEs supporting a release-independent frequency band	6.1.0	Rel-6	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	6.1.0	Rel-6	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. created for M.1457 update
TS	25.321	Medium Access Control (MAC) protocol specification	6.2.0	Rel-6	R2	STADLER, Thomas	created for M.1457 update
TS	25.322	Radio Link Control (RLC) protocol specification	6.1.0	Rel-6	R2	MADELAINE, Sebastien	created for M.1457 update
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.0.0	Rel-6	R2	HANS, Martin	created for M.1457 update
TS	25.324	Broadcast/Multicast Control (BMC)	6.1.0	Rel-6	R2	HARTL, Mike	created for M.1457 update
TS	25.331	Radio Resource Control (RRC) protocol specification	6.2.0	Rel-6	R2	KUCHIBHOTLA, Ravi	Created by CR at RP-21, but will not be created until more substantive CRs are required. (Saves on maintenance work.)
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	6.1.0	Rel-6	R2	PIRSKANEN, Juho	.
TS	25.401	UTRAN overall description	6.3.0	Rel-6	R3	GODIN, Philippe	Approval at TSG#5 .
TS	25.402	Synchronisation in UTRAN Stage 2	6.0.0	Rel-6	R3	KUNZ, Walter	New created for M.1457 update
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	6.1.0	Rel-6	R3	DIESEN, Michael	Approval at TSG#5 created for M.1457 update
TS	25.411	UTRAN Iu interface layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.412	UTRAN Iu interface signalling transport	6.0.0	Rel-6	R3	NG, Cheng Hock	created for M.1457 update
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	6.2.0	Rel-6	R3	GUYOT, Olivier	created for M.1457 update
TS	25.414	UTRAN Iu interface data transport & transport signalling	6.1.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.415	UTRAN Iu interface user plane protocols	6.0.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	6.1.0	Rel-6	R3	MCWILLIAMS, Brendan	created for M.1457 update
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	6.1.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.421	UTRAN Iur interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.422	UTRAN Iur interface signalling transport	6.0.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update

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TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.2.0	Rel-6	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	created for M.1457 update
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	6.2.0	Rel-6	R3	KEKKI, Sami	created for M.1457 update
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	6.0.0	Rel-6	R3	HAKULI, Tuomas	created for M.1457 update
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.1.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.431	UTRAN Iub interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.432	UTRAN Iub interface: signalling transport	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.433	UTRAN Iub interface NBAP signalling	6.2.0	Rel-6	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	LAVASANI, Shahab	created for M.1457 update
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	6.0.0	Rel-6	R3	HAUSER, Alexander	created for M.1457 update
TS	25.450	UTRAN Iupc interface general aspects and principles	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	6.0.0	Rel-6	R3	JOLLEY, Vincent	created for M.1457 update
TS	25.452	UTRAN Iupc interface: signalling transport	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	6.5.0	Rel-6	R3	JOLLEY, Vincent	.
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	6.0.0	Rel-6	R3	MILLER, James	.
TR	25.806	UMTS 1700/2100MHz Work Item	6.0.0	Rel-6	R4	NUMMINEN, Jussi	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010). 2004-01-19: title changed froim "UMTS 1700/2100MHz and UMTS 850MHz Work Items". .
TR	25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)	6.0.0	Rel-6	R3	BURGOS MARTÍNEZ, Ana	.
TR	25.887	Beamforming enhancements	6.0.0	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	.
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	.
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	6.0.0	Rel-6	R1	BOUMENDIL, Sarah	.
TR	25.896	Feasibility study for enhanced uplink for UTRA FDD	6.0.0	Rel-6	R1	RANTA-AHO, Karri	.
TR	25.899	High Speed Download Packet Access (HSDPA) enhancements	6.0.0	Rel-6	R1	FUKUI, Noriyuki	RP-23: v1.0.0 xpected RP-24. RP-24: approved, but some reservations over conclusions.
TR	25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	6.0.0	Rel-6	R3	HALL, Edward	WI UID 23011. See also 44.901. .
TR	25.922	Radio resource management strategies	6.0.1	Rel-6	R2	HUS, Olivier	.
TR	25.942	Radio Frequency (RF) system scenarios	6.3.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	RP-19: from Rel-5.
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	.

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TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.6.0	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	6.1.0	Rel-6	R1	HUANG, Howard	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	6.1.0	Rel-6	S4	USAI, Paolino	.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	6.0.0	Rel-6	S4	FRANCESCHI, Olle	SP-19: CRs anticipated at SP-22. SP-21: Intend to split the Rel-6 spec into four separate specs.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.1.0	Rel-6	S4	OJALA, Pasi	.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	6.0.0	Rel-6	S4	OJALA, Pasi	.
TS	26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	6.0.0	Rel-6	S4	PEARCE, David	WI UID = 34700 .
TS	26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	6.0.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.245	Transparent end-to-end Packet witched Streaming Service (PS); Timed text format	6.0.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	6.0.0	Rel-6	S4	GRASSEL, Guido	Created S4-25bis. See S4-030135. .
TR	26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs	6.0.0	Rel-6	S4	BERTENYI, Balazs	2004-01-05: Drafted by Dynasat (Alan Sharpley & Ira Panzer) under 3GPP Guest status. To be approved at S4-30.
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	6.0.0	Rel-6	S4	VARSA, Viktor	.
TS	27.007	AT command set for 3G User Equipment (UE)	6.5.0	Rel-6	T2	CHRISTENSEN, Soren	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	6.0.0	Rel-6	N3	BOSWARTHICK, David	GPRS .
TS	29.002	Mobile Application Part (MAP) specification	6.6.0	Rel-6	N4	WIEHE, Ulrich	
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)	6.3.0	Rel-6	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??) .
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	6.0.0	Rel-6	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.5.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	6.1.0	Rel-6	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". .
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.2.0	Rel-6	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. .
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	6.1.0	Rel-6	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258) .
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.3.0	Rel-6	N3	BELLING, Thomas	NP-16: For earlier versions: see Rel-5. NP-19: amticipated to come under change control at NP-21.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.1.0	Rel-6	N5	ABARCA, Chelo	.

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TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.207	Policy control over Go interface	6.0.0	Rel-6	N3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". .
TS	29.208	End to end Quality of Service (QoS) signalling flows	6.0.0	Rel-6	N3	SILLANPÄÄ, Anna	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.3.0	Rel-6	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	6.1.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. .
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	6.0.0	Rel-6	N4	TAMMI, Kalle	WI UID = 14014 .
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.2.0	Rel-6	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	6.1.0	Rel-6	N4	BERRY, Nigel. H	.
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	6.0.0	Rel-6	N1	MAYER, Georg	.
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	6.1.0	Rel-6	N3	BELLING, Thomas	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	6.0.3	Rel-6	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143. .
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. TP-17: upgraded to Rel-6 as there are 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.
TS	31.102	Characteristics of the USIM application	6.6.0	Rel-6	T3	RUBON, Jean-Francois	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.4.0	Rel-6	T3	RUBON, Jean-Francois	2004-05-07:additional rapporteur: Peter Vestergaad. .
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.2.0	Rel-6	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14. .
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.2.0	Rel-6	T3	N, A	.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin. SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.4.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	6.0.0	Rel-6	T3	JOLIVET, Paul	TP-20: Target for approval: TP-21.
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	JURISIC, Andrijana	Test spec is 34.131. .
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	6.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005. .
TS	32.101	Telecommunication management; Principles and high level requirements	6.0.0	Rel-6	S5	TRUSS, Michael	.
TS	32.102	Telecommunication management; Architecture	6.3.0	Rel-6	S5	BERGGREN, Tommy	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	6.0.0	Rel-6	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 (IS)	6.1.0	Rel-6	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 (SS)	6.0.0	Rel-6	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 (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	6.2.0	Rel-6	S5	ISLIP, John	2004-03-29: S5 Project Manager: "services operations management" removed from title. SP-15: moved from Rel-5.
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	6.1.0	Rel-6	S5	ABA, Istvan	2004-03-29: S5 Project Manager: "services operations management" removed from title. .
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	6.0.0	Rel-6	S5	TRUSS, Michael	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed from "Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2". 2003-12-03: title changed from "Telecommunication management; Integration Reference Point (IRP): Introduction and definitions". .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". SP-24: "resources" in title changed to "Network Resource Model (NRM)". .
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	6.0.0	Rel-6	S5	RICHARDS, Christopher	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain". .
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	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 (SS)	6.0.0	Rel-6	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 (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.331	Telecommunication management; Notification log Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .

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TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	6.2.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.2.0	Rel-6	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.4.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	6.3.0	Rel-6	S5	HÜBINETTE, Ulf	.
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	6.1.0	Rel-6	S5	TOCHE, Christian	.
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	TOCHE, Christian	.
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	6.3.0	Rel-6	S5	KORINEK, Frank	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	6.0.0	Rel-6	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 (SS)	6.0.0	Rel-6	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 (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	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 (SS)	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.602-3 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.2.0	Rel-6	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 (SS)	6.2.0	Rel-6	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 (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.620-4 .
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.2.0	Rel-6	S5	TOCHE, Christian	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	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)	6.1.0	Rel-6	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 (SS)	6.1.0	Rel-6	S5	RAYMER, David	was 32.622-3 .
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	6.1.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	6.3.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	PAL, Tapinder	.
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RAYMER, David	.
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	.
TR	32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	33.102	3G security; Security architecture	6.1.0	Rel-6	S3	BLOMMAERT, Marc	.
TS	33.105	Cryptographic algorithm requirements	6.0.0	Rel-6	S3	CHIKAZAWA, Takeshi	.
TS	33.106	Lawful interception requirements	6.1.0	Rel-6	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	6.2.0	Rel-6	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.6.0	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	33.141	Presence service; Security	6.0.0	Rel-6	S3	BOMAN, Krister	.
TS	33.203	3G security; Access security for IP-based services	6.3.0	Rel-6	S3	BOMAN, Krister	.
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.5.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210). .
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	6.1.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §4. .
TS	33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	6.0.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §5 & annex A. .
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	6.0.0	Rel-6	S3	SAHLIN, Bengt	WI = SEC1-SC (UID 33002) Based on 33.109 v0.3.0 protocol B. .
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	6.1.0	Rel-6	S3	LOPEZ SORIA, Luis	.
TS	33.310	Network domain security; Authentication framework (NDS/AF)	6.1.0	Rel-6	S3	KOSKINEN, Tiina	.
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. SP-17: expect v2.0.0 at SP-18.
TR	33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	6.0.0	Rel-6	S3	YAQUB, Raziq	Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that TR is to be internal, so number changed from 33.917. .
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	JURISIC, Andrijana	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. .
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	6.0.0	Rel-6	G1	SÉBIRE, Guillaume	Originally created as 03.51r00 .
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.4.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	6.3.0	Rel-6	G1	LIVINGSTON, Margaret	.

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TS	43.064	Overall description of the GPRS radio interface; Stage 2	6.2.0	Rel-6	G1	LEPPISAARI, Arto	.
TS	43.068	Voice Group Call Service (VGCS); Stage 2	6.1.0	Rel-6	N1	GARAPATY, Sonia	.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	6.0.0	Rel-6	G2	ISAACS, Ken	.
TS	44.005	Data Link (DL) Layer General Aspects	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.0.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.7.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.3.0	Rel-6	G2	GARAPATY, Sonia	.
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	6.7.0	Rel-6	G2	HOWELL, Andrew	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)	6.2.0	Rel-6	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only. .
TS	44.068	Group Call Control (GCC) Protocol	6.0.0	Rel-6	N1	GARAPATY, Sonia	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	6.2.0	Rel-6	G2	VIRTEJ, Iuliana	.
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	6.4.0	Rel-6	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2. .
TS	45.001	Physical layer on the radio path; General description	6.3.0	Rel-6	G1	JOKINEN, Harri	.
TS	45.002	Multiplexing and multiple access on the radio path	6.6.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.003	Channel coding	6.3.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	6.5.0	Rel-6	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	6.7.0	Rel-6	G1	EL-SAIGH, Amer	.
TS	45.009	Link adaptation	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TS	45.010	Radio subsystem synchronization	6.2.0	Rel-6	G1	JOKINEN, Harri	.
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
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. Renumbered from 41.811.
TR	45.902	Flexible layer 1	6.5.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.5.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	6.5.0	Rel-6	G2	BLACK, Jyoti	.
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	6.5.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.

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TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.3.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	51.021	GSM radio aspects base station system equipment specification	6.1.0	Rel-6	G1	BUSIN, Ake	.
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.1.0	Rel-6	S3	WALKER, Michael	Not subject to export control. .
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	6.2.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .
TS	55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .

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

Type	Number	Title	Ver at TSG#24	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". .
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-6	S2	LAUTIER, Laurence	SP-20: from Rel-5.
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	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 ...". SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TR	23.801	Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements	1.0.0	Rel-6	S2	PUDNEY, Chris	WI = SP-040043 .
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 Multimedia Subsystem (IMS) emergency sessions	0.6.0	Rel-6	S2	LIEBHART, Rainer	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228. .
TR	23.898	3GPP access class barring and overload protection	1.0.0	Rel-6	S2	DAVIDIAN, Jean-Jacques	SP-23: WI = SP-040042. .
TR	23.899	Combining Circuit Switched (CS) bearers with IP Multimeida Subsystem (IMS)	0.2.0	Rel-6	S2	WATSON, Mark	SP-23: WI = SP-040044. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	23.903	Redial solution for video-voice switching	none	Rel-6	S2	PUDNEY, Chris	SP-24: WI = SP-040331 .
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.
TR	23.979	3GPP enablers for Push-to-talk over Cellular (PoC) services; Stage 2	1.0.0	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540 SP-23: will be stabilized 3 months after OMA PoC AD work completed.
TS	24.109	Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details	0.2.0	Rel-6	N1	BAJKO, Gabor	WI UID = 14504 .
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	1.1.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E .
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	1.4.1	Rel-6	N1	CARRIÓN, Inmaculada	.
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	0.5.0	Rel-6	N4	SOOD, Prem	Cf work item 'Generic user profile" - may be renumbered to 27.241. NP-24/TP-24: txferred from T2 to N4. 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	1.1.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E .
TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	0.0.0	Rel-6	R4	SHEN, Donglin	WI UID = 24012 .
TS	25.309	Enhanced uplink UTRA FDD; Stage 2	none	Rel-6	R2	GODARD, Tania	WI = "FDD Enhanced Uplink" .
TS	25.460	UTRAN Iuant interface: General aspects and principles	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.461	UTRAN Iuant interface: Layer 1	none	Rel-6	R3	KUNZ, Walter	WI UID = 23010 .
TS	25.462	UTRAN Iuant interface: Signalling transport	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TR	25.803	S-CCPCH performance for MBMS	1.3.0	Rel-6	R1	MALLADI, Durga	2003-06-25: anticipate approval at RP-22.
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	0.2.0	Rel-6	R1	RUDOLF, Marian	2003-09-04: anticipated approval at RP-23. WI = RInImp-FSUpEnhTDD. RP-25: estimate approval RP-26.
TR	25.805	DS-CDMA introduction in the 800 MHz band	0.3.0	Rel-6	R4	NAKAMURA, Takehiro	WI = RInImp-UMTS800 (UID 24009) .
TR	25.808	Enhanced uplink for UTRA FDD; Physical layer aspects	0.0.1	Rel-6	R1	RANTA-AHO, Karri	.
TR	25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN	0.0.0	Rel-6	R3	GODIN, Philippe	2003-09-08: Title changed from "Radio access bearer support enhancements for the Iu". .
TR	25.862	RAB support for IMS	1.0.0	Rel-6	R2	MIKOLA, Juha	.
TR	25.876	Multiple Input Multiple Output (MIMO) Antennae in UTRA	1.5.0	Rel-6	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title Timed out of Rel-5.
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	.
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	.
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	1.3.3	Rel-6	R1	BEALE, Martin	2002-10-07: anticipate approval at RP-20. RP-23: anticipate approval RP-25.
TR	25.897	Feasibility study on the evolution of UTRAN architecture	0.3.1	Rel-6	R3	KEKKI, Sami	.
TR	25.898	Power control enhancements for UTRA	0.1.0	Rel-6	R1	MITRA, Diptendu	.
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	none	Rel-6	S4	HONKO, Harri	WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045. .
TS	26.273	Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	1.0.0	Rel-6	S4	VAINIO, Janne	.
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	1.0.0	Rel-6	S4	VAINIO, Janne	.
TS	26.304	Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	1.0.0	Rel-6	S4	VAINIO, Janne	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	0.1.0	Rel-6	S4	CURCIO, Igor	WI = "Multimedia Broadcast and Multicast Service" UID 2544. SP-22: v1.0.0 had been expected this mtg, but at least 3 months delay expected.
TS	26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.404	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; ANSI-C code	1.0.0	Rel-6	S4	KUNZ, Oliver	.
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	none	Rel-6	S4	LOHMAR, Thorsten	.
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Protocol details	1.0.0	Rel-6	N4	LAITINEN, Lauri	WI = SEC1-SC (UID 14504). NP-24 title changed from "Bootstrapping and subscriber certificates; Diameter protocols; Stage 3" .
TS	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network WLAN Access and packet data networks	0.2.0	Rel-6	N3	RÄSÄNEN, Juha	WI UID = 14013. .
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-6	N3	HOLLAND, Nigel	Work item moved to Rel-6.
TS	29.199-1	Open Service Access (OSA); Parlay X web services; Part 1: Overview and common data definitions	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-2	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-3	Open Service Access (OSA); Parlay X web services; Part 3: Network-initiated third party call	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-4	Open Service Access (OSA); Parlay X web services; Part 4: Short Message Service (SMS)	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-5	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia Message Service (MMS)	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-6	Open Service Access (OSA); Parlay X web services; Part 6: Payment	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-7	Open Service Access (OSA); Parlay X web services; Part 7: Account management	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-8	Open Service Access (OSA); Parlay X web services; Part 8: User status	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-9	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	1.0.3	Rel-6	N5	VAN RIJSSEN, Erwin	.
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	29.209	Policy control over Gq interface	1.0.0	Rel-6	N3	N, A	.
TS	29.210	Charging rule provisioning over Gx interface	none	Rel-6	N3	RÄSÄNEN, Juha	WI URL = 35017 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	1.5.0	Rel-6	N4	SITCH, Paul	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157). NP-24: Secretary reports correct WI is NP-040224. .
TS	29.240	Generic User Profile (GUP); Stage 3; Network	0.3.0	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241 2003-03-05: Delayed from Rel-5.
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	1.0.0	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773. Anticipated change control at NP-22.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	N4	SANDERS, David	.
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	1.5.0	Rel-6	N1	HERRERO, Christian	.
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	30.531	Work Plan and Study Items - RAN WG3	0.11.0	Rel-6	R3	KRAUSE, Joern	Continues work started in R99 document.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.
TS	31.213	Test Specification for (U)SIM API for Java(TM) Card	none	Rel-6	T3	BEGASSAT, Christophe	WI in TP-040032 at TP-23. .
TS	32.172	Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Network Resources Model (NRM)	1.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". .
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	1.1.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	1.0.0	Rel-6	S5	RICHARDS, Christopher	SP-21: WI = charging management for the bearer level 2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	0.2.1	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	1.0.0	Rel-6	S5	TEPPO, Patrik	.
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	1.0.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	1.0.0	Rel-6	S5	BIBAS, Alain	.
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	0.0.2	Rel-6	S5	NENNER, Karl-Heinz	SP-24: this spec is a straw man for shooting down by OMA; it may never reach maturity. .
TS	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	none	Rel-6	S5	ALEXANDER, Benni	.
TS	32.296	Telecommunication management; Charging management; On line Charging System (OCS): Applications and interfaces	1.0.0	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047) Original target for approval = SP-21.
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	1.0.0	Rel-6	S5	ALEXANDER, Benni	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description". .
TS	32.332	Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.333	Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	RAYMER, David	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.334	Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	1.0.0	Rel-6	S5	RAYMER, David	.
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	SUERBAUM, Clemens	.
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.364	Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.371	Telecommunication management; Security Management Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.372	Telecommunication management; Security Management Integration Reference Point (IRP): Information Service (IS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.373	Telecommunication management; Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.374	Telecommunication management; Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	TOCHE, Christian	.
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and Configuration Management (CM)	1.0.0	Rel-6	S5	RAO, Mohan	.
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	none	Rel-6	S5	TOCHE, Christian	.
TS	32.431	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Requirements	1.0.0	Rel-6	S5	LI, Dan	.
TS	32.432	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)	none	Rel-6	S5	RAO, Mohan	.
TS	32.433	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	LI, Dan	.
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	.
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.711	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.712	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.713	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.714	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.715	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.731	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	none	Rel-6	S5	RAO, Mohan	.
TS	32.732	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	none	Rel-6	S5	RAO, Mohan	.
TS	32.733	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	RAO, Mohan	.
TS	32.734	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	RAO, Mohan	.
TS	32.735	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	RAO, Mohan	.
TS	32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	.
TS	32.743	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	.
TS	32.744	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	.
TS	32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	THORSTEINSSON, Saemundur	.
TR	32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)	1.0.0	Rel-6	S5	ISLIP, John	.
TR	32.804	Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements	1.0.0	Rel-6	S5	MUDGE, John	WI UID = 35022 (under 23010) .
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	1.2.1	Rel-6	S3	ESCOTT, Adrian	SP-22: target for v2.0.0 is SP-23, but this will be challenging.
TR	33.919	Generic Authentication Architecture (GAA); System description	1.2.1	Rel-6	S3	VAN MOFFAERT, Annelies	WI = SEC1-SC (UID 33002) .
TR	33.941	Presence service; Security	0.6.0	Rel-6	S3	BOMAN, Krister	.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	.
TS	43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	0.5.0	Rel-6	G2	HEDBY, Gunnar	WI UID = 51136. .
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2	0.6.0	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	1.3.0	Rel-6	G2	GESSNER, Christina	Work item = SSStrea. .
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	GRANT, Marc	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. 2003-01-14: Fel-5 frozen, so migrated to Rel-6.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	0.1.2	Rel-6	S5	RONKA, Kari	.

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.011	Service accessibility	7.0.0	Rel-7	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	7.0.0	Rel-7	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	7.0.0	Rel-7	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	7.0.0	Rel-7	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	7.0.0	Rel-7	S1	GRECH, Michel	.
TS	22.101	Service aspects; Service principles	7.0.0	Rel-7	S1	DEOL, Amar	.
TS	22.978	All-IP feasibility study	0.1.0	Rel-7	S1	SACHNO, Chris	SP-24: WI = SP-040303. .
TS	22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	none	Rel-7	S1	FRANK, Robert	WI = SP-040305 .
TR	23.802	Architectural enhancements for end-to-end Quality of Service (QoS)	none	Rel-7	S2	JAKSA, Robert	SP-24: WI = SP-040326 .
TS	55.226	Specification of the A5/4 encryption algorithms for GSM and ECSD, and the GEA4 encryption algorithm for GPRS; Document 1: A5/4 and GEA4 specification	none	Rel-7	S3	CHRISTOFFERSSON, Per	Work item UID = 1571 (SEC1) .

Annex E: List of Change Requests and their status after TSG SA Meeting #24

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040286	21.905	057	-	6.6.0	Rel-6	Inclusion of ANP abbreviation as requested by SA3	approved	F	6.7.0	Vocabulary for 3GPP Specifications	Vocabulary
SP-040286	21.905	058	-	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	revised	F		Vocabulary for 3GPP Specifications	WLAN
SP-040449	21.905	058	1	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	revised	F		Vocabulary for 3GPP Specifications	WLAN
SP-040476	21.905	058	2	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	approved	F	6.7.0	Vocabulary for 3GPP Specifications	WLAN
SP-040283	22.004	010	-	4.2.0	Rel-4	Modification of table A1 required to remove wrong SS applicabilities to VG Services	approved	F	4.3.0	General on supplementary services	TEI4
SP-040283	22.004	011	-	5.0.0	Rel-5	Modification of table A1 required to remove wrong SS applicabilities to VG Services	approved	A	5.1.0	General on supplementary services	TEI5
SP-040287	22.011	058	-	6.3.0	Rel-6	Behaviour of Single Mode mobiles with regards to the use of access technology in the PLMN selector lists	approved	F	6.4.0	Service accessibility	TEI6
SP-040287	22.011	059	-	6.3.0	Rel-6	Identification of FDD and TDD in the PLMN selector lists	rejected	F		Service accessibility	TEI6
SP-040287	22.011	060	-	6.3.0	Rel-6	Use of access technology in Periodic Network Selection attempts	approved	F	6.4.0	Service accessibility	TEI6
SP-040287	22.011	061	-	6.3.0	Rel-6	Clarification on the use of the RAT during network selection	approved	F	6.4.0	Service accessibility	TEI6
SP-040299	22.011	062	-	6.3.0	Rel-7	Multimode terminals with 3GPP capability	approved	F	7.0.0	Service accessibility	TEI7
SP-040298	22.011	063	-	6.3.0	Rel-7	Support of multiple HPLMN codes	approved	B	7.0.0	Service accessibility	TEI7
SP-040295	22.011	064	-	6.3.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.4.0	Service accessibility	WLAN-CR
SP-040287	22.011	065	-	6.3.0	Rel-6	Mobile behaviour when performing Periodic Network Selection attempts in un-coordinated networks	rejected	F		Service accessibility	TEI6
SP-040300	22.071	070	-	6.7.0	Rel-7	Accuracy of information Indication of capability	approved	C	7.0.0	Location Services (LCS); Stage 1	LCS2; EMC1
SP-040284	22.078	171	-	5.13.0	Rel-5	SCUDIF corrections for CAMEL interworking	approved	F	5.14.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	SCUDIF
SP-040284	22.078	172	-	6.4.0	Rel-6	SCUDIF corrections for CAMEL interworking	approved	A	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	SCUDIF
SP-040285	22.078	173	-	5.13.0	Rel-5	Correction to preconditions for connecting a held party to the group	approved	F	5.14.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-040285	22.078	174	-	6.4.0	Rel-6	Correction to preconditions for connecting a held party to the group	approved	A	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-040288	22.101	152	-	6.7.0	Rel-6	Correction of UICC related text.	approved	F	6.8.0	Service aspects; Service principles	TEI

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040301	22.101	153	-	6.7.0	Rel-7	Termination of location privacy override for emergency calls	approved	B	7.0.0	Service aspects; Service principles	LCS2; EMC1
SP-040292	22.101	154	-	6.7.0	Rel-6	Editorial Correction of R5 reference	approved	F	6.8.0	Service aspects; Service principles	IMS2
SP-040289	22.127	071	-	6.5.0	Rel-6	Correction of open ended OSA high abstraction requirement	approved	F	6.6.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3
SP-040290	22.140	044	-	6.5.0	Rel-6	Support of MMS operator specific services	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-6
SP-040450	22.140	044	1	6.5.0	Rel-6	Support of MMS operator specific services	approved	B	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS-6
SP-040290	22.140	045	-	6.5.0	Rel-6	Clarification on MMS client interaction with UICC	approved	F	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-040290	22.140	046	-	6.5.0	Rel-6	Update to scope and removal of VHE based requirement.	approved	F	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS6-SR
SP-040291	22.146	043	-	6.4.0	Rel-6	Addition of a concept regarding UE joining time	approved	F	6.5.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS
SP-040293	22.228	023	-	6.5.0	Rel-6	Deletion of duplicated scenarios of Annex A	approved	F	6.6.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS
SP-040292	22.228	024	-	6.5.0	Rel-6	Editorial Correction of R5 reference	approved	F	6.6.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS2
SP-040295	22.234	001	-	6.0.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN-CR
SP-040294	22.234	002	-	6.0.0	Rel-6	Addition of a definition of 3GPP PS based services	approved	F	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN
SP-040294	22.234	003	-	6.0.0	Rel-6	TS 22.234 Addition of clause 4. General Description	approved	C	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN
SP-040294	22.234	004	-	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	revised	B		Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN
SP-040423	22.234	004	1	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	withdrawn	B		Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN
SP-040475	22.234	004	1	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	approved	B	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN
SP-040296	22.950	007	-	6.2.0	Rel-6	Deletion of Annex C (Informative) from draft ITU-T Recommendation F.706	approved	F	6.3.0	Priority service feasibility study	PRIOR
SP-040296	22.950	008	-	6.2.0	Rel-6	Deletion of Annex B (Informative) from ITU-T Recommendation E.106	approved	F	6.3.0	Priority service feasibility study	PRIOR
SP-040297	22.952	001	-	6.0.0	Rel-6	TR 22.952 - Correction to Figure 5.7: Priority Service Mobile Originated – Queue Time-Out	approved	F	6.1.0	Priority service guide	PRIOR
SP-040297	22.952	002	-	6.0.0	Rel-6	TR 22.952 - Correction to Figure 5.8: Priority Service Call Termination – Radio Resources Unavailable and Queue Time-Out	approved	F	6.1.0	Priority service guide	PRIOR
SP-040297	22.952	003	-	6.0.0	Rel-6	Change of TS 08.08 reference to 48.008	approved	F	6.1.0	Priority service guide	PRIOR

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040323	03.71	047	-	8.8.0	R99	Correction of GERAN location request procedure	approved	A	8.9.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040469	03.71	048	-	7.10.0	R98	Correction of GERAN location request procedure	approved	F	7.11.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040312	23.002	138	1	6.4.0	Rel-6	Introduction of WLAN Interworking functional elements in 23.002	approved	F	6.5.0	Network architecture	WLAN
SP-040312	23.002	139	-	6.4.0	Rel-6	Introduction of WLAN Interworking reference points and configuration in 23.002	approved	F	6.5.0	Network architecture	WLAN
SP-040312	23.002	141	2	6.4.0	Rel-6	Configuration of Presence Service	approved	F	6.5.0	Network architecture	PRESNC
SP-040312	23.002	142	1	6.4.0	Rel-6	Correction on the scope of the Ut reference point	approved	F	6.5.0	Network architecture	TEI
SP-040312	23.002	143	-	6.4.0	Rel-6	Missing Lr reference point in 23.002	approved	F	6.5.0	Network architecture	LCS2
SP-040313	23.060	493	1	6.4.0	Rel-6	Correction of Figure A.4: SDL Diagram 4	approved	F	6.5.0	General Packet Radio Service (GPRS); Service description; Stage 2	TEI6
SP-040313	23.060	494	3	6.4.0	Rel-6	Automatic Device Detection function and Gs interface	approved	F	6.5.0	General Packet Radio Service (GPRS); Service description; Stage 2	TEI6
SP-040314	23.125	002	1	6.0.0	Rel-6	Introduction of charging rule identifier	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	003	2	6.0.0	Rel-6	Introdution of modify and add charging actions	withdrawn	B		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	004	1	6.0.0	Rel-6	Add some use cases to the Flow Based Charging	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	006	2	6.0.0	Rel-6	Time based charging tariffs	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	008	2	6.0.0	Rel-6	FBC and IMS	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	009	-	6.0.0	Rel-6	RAT Type as possible re-authorisation trigger	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	011	1	6.0.0	Rel-6	Ro reference removal	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	012	2	6.0.0	Rel-6	Bearer establishment, charging rules availability and credit control	withdrawn	F		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	013	2	6.0.0	Rel-6	Traffic flow at TPF	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	014	2	6.0.0	Rel-6	Bearer modification triggers	withdrawn	C		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	016	1	6.0.0	Rel-6	Time and volume allocation in online charging	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	018	-	6.0.0	Rel-6	General Corrections	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	019	-	6.0.0	Rel-6	Gx connection maintenance	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	020	-	6.0.0	Rel-6	Rx connection maintenance	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	021	2	6.0.0	Rel-6	FBC online charging	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040314	23.125	024	1	6.0.0	Rel-6	Message flow for input to provision of charging rules in Ry interface	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	025	2	6.0.0	Rel-6	Correction to the Termination Action	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	027	1	6.0.0	Rel-6	Clarification to the charging rule	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	028	1	6.0.0	Rel-6	Information to support charging rule selection	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	033	1	6.0.0	Rel-6	Re-authorization in case of charging rule change	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	035	1	6.0.0	Rel-6	Applying charging rules input from AF	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	036	1	6.0.0	Rel-6	Set of charging rules	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	037	3	6.0.0	Rel-6	Policy functions provided by FBC	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	043	1	6.0.0	Rel-6	TPF in the GGSN for WLAN access	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	045	2	6.0.0	Rel-6	FBC and GAA	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040314	23.125	046	2	6.0.0	Rel-6	Limitations of FBC for IMS	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040458	23.125	047	-	6.0.0	Rel-6	Combined CR for CR#3, CR#12, CR#14	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH
SP-040315	23.127	047	1	6.0.0	Rel-6	Add descriptions of OSA high-level abstraction interfaces	approved	F	6.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA)	OSA3
SP-040316	23.141	061	3	6.5.0	Rel-6	Move the annex B to the formal part of the TS for" 3GPP-WLAN IW supplier for PRESENCE information"	approved	B	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040316	23.141	063	3	6.5.0	Rel-6	3GPP-WLAN supplier for PRESENCE information	approved	B	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040316	23.141	064	2	6.5.0	Rel-6	Level of support in the Presence Network Agent	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040316	23.141	065	2	6.5.0	Rel-6	Correction of Pl text referencing Le to reference LIF-MLP directly	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040316	23.141	066	1	6.5.0	Rel-6	Removal of misleading example relating to Pi reference point	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040317	23.207	077	3	6.2.0	Rel-6	Authorisation Reject Procedure by the PDF	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040317	23.207	079	1	6.2.0	Rel-6	AF capabilities	approved	F	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040317	23.207	080	2	6.2.0	Rel-6	General corrections	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040317	23.207	081	1	6.2.0	Rel-6	Intra-domain Gq for IMS	approved	F	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040317	23.207	083	-	6.2.0	Rel-6	Condition for update authorization procedure	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040318	23.221	047	2	6.2.0	Rel-6	Handling of PDP Contexts	approved	F	6.3.0	Architectural requirements	IMS2
SP-040318	23.221	048	1	6.2.0	Rel-6	IPv4 based IMS	approved	C	6.3.0	Architectural requirements	IPv4IMS
SP-040318	23.221	049	1	5.9.0	Rel-5	IPv4 based IMS	approved	C	5.10.0	Architectural requirements	IPv4IMS

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040319	23.228	413	2	6.5.0	Rel-6	Session based messaging corrections to align with draft-ietf-simple-message-sessions-04	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	418	1	6.5.0	Rel-6	IPv6-IPv4 interworking	approved	B	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	419	2	6.5.0	Rel-6	IPv4-IPv6 interworking flows	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	420	-	6.5.0	Rel-6	SDP acronym	approved	D	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	421	2	6.5.0	Rel-6	Clarification of Message Charging Principles	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	422	4	6.5.0	Rel-6	Service indication in Session Initiation	approved	B	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	424	2	6.5.0	Rel-6	Registration Requirement related to Application Server	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	425	4	6.5.0	Rel-6	Registration Status Event Sub/Notification between Application Server and S-CSCF	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	427	1	6.5.0	Rel-6	Definition of Private User Identity	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	428	2	6.5.0	Rel-6	Clarification of IMS identity sharing	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	430	1	6.5.0	Rel-6	Updates on the Gq interface in 23.228	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	QoS1
SP-040319	23.228	431	-	6.5.0	Rel-6	IMS procedures modification for token generation	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	QoS1
SP-040319	23.228	432	2	6.5.0	Rel-6	Release of Session based messaging session with intermediate node	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040319	23.228	434	1	6.5.0	Rel-6	Information storage after registration	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS
SP-040320	23.234	001	2	6.0.0	Rel-6	Update of disconnection procedures	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	005	1	6.0.0	Rel-6	Correcting status of Annex D from Informative back to Normative	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	012	-	6.0.0	Rel-6	Clarifications on the Wa reference point	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	013	1	6.0.0	Rel-6	Corrections in the network selection clause	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	018	-	6.0.0	Rel-6	Clarification of Wm reference point	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	022	2	6.0.0	Rel-6	Routing Enforcement in WLAN AN	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	027	-	6.0.0	Rel-6	Corrections of Wg definition and some obsolete texts	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	029	2	6.0.0	Rel-6	Update on definition on WLAN UE	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	030	6	6.0.0	Rel-6	Suggested changes to the new WLAN access terms	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	031	1	6.0.0	Rel-6	Missing modifications to Annex D	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	033	3	6.0.0	Rel-6	WLAN UE initiated disconnection procedures	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	035	2	6.0.0	Rel-6	Clarification on WLAN access authentication and authorisation	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	036	-	6.0.0	Rel-6	Reference to 23.825	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	038	2	6.0.0	Rel-6	Considerations on the format of the IP address used for tunnel establishment	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	041	2	6.0.0	Rel-6	Per-user charging in the VPLMN	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	043	2	6.0.0	Rel-6	Roaming access to WLAN local services in Scenario 2	revised	C		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN

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SP-040320	23.234	044	1	6.0.0	Rel-6	Correction of Wd reference point requirements	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	045	1	6.0.0	Rel-6	Clarification of Wm reference point requirements	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	047	2	6.0.0	Rel-6	Re-authentication	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	048	3	6.0.0	Rel-6	Alignment with 3GPP IMS architecture: SLF usage in Wx to locate the HSS	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040417	23.234	051	3	6.0.0	Rel-6	WLAN User Profile revision	withdrawn	F		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	052	2	6.0.0	Rel-6	Removal of WLAN UE classes	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	053	1	6.0.0	Rel-6	Combined CR on annex F	revised	F		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040454	23.234	053	2	6.0.0	Rel-6	Merge of approved CR's in TS 23.234, Annex F	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040320	23.234	054	1	6.0.0	Rel-6	Combined CR to 23.234 Annex D (SMS over IP)	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN
SP-040321	23.240	017	1	6.3.0	Rel-6	GUP Server in Home operator network	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040321	23.240	018	1	6.3.0	Rel-6	Rp Intra-operator interface	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040321	23.240	019	1	6.3.0	Rel-6	GUP Authentication failure	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040321	23.240	020	-	6.3.0	Rel-6	Removal of editor's note on existing profile components	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040321	23.240	021	1	6.3.0	Rel-6	Addition of an example in Annex A	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040321	23.240	022	2	6.3.0	Rel-6	Clarification of requirement for component location management	approved	B	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040322	23.246	051	4	6.2.0	Rel-6	Optimization of MBMS multicast service activation procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	052	1	6.2.0	Rel-6	Correction of erroneous references	approved	D	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	056	1	6.2.0	Rel-6	Session duration on Broadcast Session Start Procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	057	3	6.2.0	Rel-6	Removing FFS from TS 23.246	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	058	3	6.2.0	Rel-6	Clarification on relationships between MBMS Session Stop & MBMS De-registration & MBMS De-activation	approved	D	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	059	1	6.2.0	Rel-6	Remove some FFS on PMM-CONNECTED vs RRC-CONNECTED UEs	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	061	2	6.2.0	Rel-6	Correction on MBMS deregistration procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS

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SP-040322	23.246	062	3	6.2.0	Rel-6	New addition to MBMS bearer context	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	066	3	6.2.0	Rel-6	CR for MBMS UE Context in 6.1	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	069	1	6.2.0	Rel-6	Removing Security requirements from 23.246	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	077	2	6.2.0	Rel-6	Proposed Flow Based Charging for MBMS	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	078	1	6.2.0	Rel-6	Notification of Incoming CS Domain Call/PS Data/Additional MBMS Call during An Ongoing MBMS Session for GERAN	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040322	23.246	083	2	6.2.0	Rel-6	Clarification of MBMS subscription	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040323	23.271	255	3	6.7.0	Rel-6	Delete the iterant section	approved	D	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	257	5	6.7.0	Rel-6	Clarifications of section 10 " Information storage"	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	260	1	6.7.0	Rel-6	Clarification of MLP and RLP usage in 23.271	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	266	2	6.7.0	Rel-6	Clarification to the privacy related action selection flow diagram for Rel-6	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	267	-	6.7.0	Rel-6	Additional explanation on the privacy check procedure in Rel-6, regarding the PLMN Operator service.	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	268	1	6.7.0	Rel-6	Clarifications regarding the information of V-GMLC address that is send from HLR/HSS to GMLC, during Common MT-LR procedure in CS and PS domain	approved	D	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	269	-	6.7.0	Rel-6	Clarifications on the NI-LR and CS-MT-LR without HLR Query, for the SIM-less emergency call case.	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	271	-	6.7.0	Rel-6	Enhancement of MO-LR	approved	B	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	273	2	6.7.0	Rel-6	E112 emergency call support	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040323	23.271	274	1	5.10.0	Rel-5	Clarifications regarding the non-dialable callback number in general and the NI-LR using Location Based Routing procedure, in Rel-.	approved	F	5.11.0	Location Services (LCS); Functional description; Stage 2	LCS1
SP-040324	23.851	001	-	6.0.0	Rel-6	Clarification of Gs usage	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar
SP-040324	23.851	005	1	6.0.0	Rel-6	Clarification of CN operator identity usage in MSC and SGSN	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar
SP-040324	23.851	006	4	6.0.0	Rel-6	Information flow of the CN centric redirection	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar
SP-040324	23.851	011	3	6.0.0	Rel-6	Detailing RAN Centric redirection	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar
SP-040324	23.851	012	3	6.0.0	Rel-6	Connection-less interrogation as optimisation	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar
SP-040325	23.976	001	1	6.0.1	Rel-6	NRPCA with Dynamic IP Address Assignment conclusion	revised	F		Push architecture	PUSH

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SP-040446	23.976	001	2	6.0.1	Rel-6	NRPCA with Dynamic IP Address Assignment conclusion	approved	F	6.1.0	Push architecture	PUSH

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040370	33.102	184	-	5.3.0	Rel-5	Handling of key sets at inter-system change	approved	F	5.4.0	3G security; Security architecture	SEC1-NDS
SP-040370	33.102	185	-	6.0.0	Rel-6	Handling of key sets at inter-system change	approved	A	6.1.0	3G security; Security architecture	SEC1-NDS
SP-040369	33.102	186	-	6.0.0	Rel-6	Clarification on Authentication re-attempt parameter	approved	F	6.1.0	3G security; Security architecture	SEC1
SP-040371	33.105	021	-	4.1.0	Rel-4	Correction of inconsistencies in AK computation for re-synchronisation	approved	F	4.2.0	Cryptographic algorithm requirements	SEC1
SP-040396	33.106	007	-	6.0.0	Rel-6	Clarification on delivery of IRI and CC	approved	F	6.1.0	Lawful interception requirements	SEC1-LI
SP-040397	33.107	036	-	6.1.0	Rel-6	Correction on Network initiated Mobile Station Detach signalling flow	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040398	33.107	037	-	6.1.0	Rel-6	TEL-URL missing in activation of LI in the CSCFs	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040399	33.107	038	-	6.1.0	Rel-6	Correction on the use of session initiator parameter	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040400	33.107	039	-	6.1.0	Rel-6	Correction to HLR interception event name	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040401	33.107	040	-	6.1.0	Rel-6	Clarification for Push to talk over Cellular	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040402	33.107	041	-	6.1.0	Rel-6	Adding an encryption parameter to IRI across X2 interface	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040403	33.107	042	-	6.1.0	Rel-6	References	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040404	33.107	043	-	6.1.0	Rel-6	Enhancements for the Functional Architecture chapter	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-040405	33.108	045	-	6.5.0	Rel-6	Correction on interception identities in multi-media domain	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040406	33.108	046	-	5.7.0	Rel-5	WGS 84 coordinates length correction	approved	F	5.8.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040406	33.108	047	-	6.5.0	Rel-6	WGS 84 coordinates length correction	approved	A	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040407	33.108	048	-	6.5.0	Rel-6	CR offering alignment to ETSI TS 101 671	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040408	33.108	049	-	6.5.0	Rel-6	Additional text for Definition and Acronym section	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040372	33.203	066	-	6.2.0	Rel-6	Correction on IMS confidentiality protection	approved	F	6.3.0	3G security; Access security for IP-based services	IMS-ASEC
SP-040373	33.203	067	-	6.2.0	Rel-6	SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network	approved	B	6.3.0	3G security; Access security for IP-based services	IMS-ASEC
SP-040374	33.210	016	-	6.4.0	Rel-6	Diffie-Hellman groups in NDS/IP	approved	F	6.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP

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SP-040375	33.220	001	-	6.0.0	Rel-6	Removal of Annex A	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040376	33.220	002	-	6.0.0	Rel-6	NAF remove the security associations	approved	F	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040377	33.220	003	-	6.0.0	Rel-6	Removal of editors notes on Transaction Identifiers	revised	D		Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040447	33.220	003	1	6.0.0	Rel-6	Removal of editors notes on Transaction Identifiers	approved	F	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040378	33.220	004	-	6.0.0	Rel-6	Introduction of a UICC-based Generic Bootstrapping Architecture	revised	B		Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040448	33.220	004	1	6.0.0	Rel-6	Introduction of a UICC-based Generic Bootstrapping Architecture	approved	B	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040379	33.220	005	-	6.0.0	Rel-6	Editorial corrections to TS 33.220	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040380	33.220	006	-	6.0.0	Rel-6	Support for NAF in visited network	approved	B	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040381	33.220	007	-	6.0.0	Rel-6	Editorial changes and clarifications to TS 33.220	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040382	33.220	008	-	6.0.0	Rel-6	Multiple key derivation mandatory	approved	C	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040383	33.220	009	-	6.0.0	Rel-6	NAF's public hostname verification	approved	C	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC
SP-040384	33.234	001	-	6.0.0	Rel-6	Profiling of IKEv2 and ESP for NAT traversal	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040385	33.234	002	-	6.0.0	Rel-6	Sending of temporary identities from WLAN UE	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040386	33.234	003	-	6.0.0	Rel-6	Extension of IKEv2 and IPsec profiles	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040387	33.234	004	-	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	revised	F		3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040463	33.234	004	1	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040462	33.234	004	1	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	withdrawn	F		3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040388	33.234	005	-	6.0.0	Rel-6	Introduction of UE split alternative 2 in TS 33.234	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040389	33.234	006	-	6.0.0	Rel-6	Re-authentication failure notification to HSS	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040390	33.234	007	-	6.0.0	Rel-6	Identity request procedure clarification	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040391	33.234	008	-	6.0.0	Rel-6	WLAN mechanism to allow restrictions on simultaneous sessions	approved	C	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040392	33.234	009	-	6.0.0	Rel-6	Requirement on keeping WLAN access keys independent from 2G/3G access keys stored in USIM	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN
SP-040393	33.310	001	-	6.0.0	Rel-6	Removal of inconsistencies regarding SEG actions during IKE phase 1	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF
SP-040394	33.310	002	-	6.0.0	Rel-6	Removal of unnecessary restriction on CA path length	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF
SP-040395	33.310	003	-	6.0.0	Rel-6	Correction of 'Extended key usage' extension in SEG Certificate profile	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040434	26.234	068	1	5.6.0	Rel-6	Addition of Release 6 functionality	approved	B	6.0.0	Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage3
SP-040355	26.234	068	1	5.6.0	Rel-6	Addition of Release 6 functionality	withdrawn	B		Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage3
SP-040355	26.234	069	-	5.6.0	Rel-6	Addition of PSS audio codecs	withdrawn	B		Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage3
SP-040356	26.235	006	4	6.0.0	rel-6	Introduction of the DSR Codec	approved	B	6.1.0	Packet switched conversational multimedia applications; Default codecs	SRSES-Codec
SP-040356	26.236	010	3	5.4.0	Rel-6	Introduction of the DSR Codec	approved	B	6.0.0	Packet switched conversational multimedia applications; Transport protocols	SRSES-Codec
SP-040357	26.236	011	1	5.4.0	Rel-5	RTCP usage for IMS	approved	F	5.5.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC
SP-040357	26.236	012	-	5.4.0	Rel-6	RTCP usage for IMS	approved	A	6.0.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040239	32.101	024	-	5.5.0	Rel-6	Subscription Management Corrections - Align with S5's 32.140/1	approved	F	6.0.0	Telecommunication management; Principles and high level requirements	OAM-AR
SP-040239	32.101	025	-	5.5.0	Rel-6	Align with S5 SWGC WT01 Security terminology and architecture	approved	F	6.0.0	Telecommunication management; Principles and high level requirements	OAM-AR
SP-040240	32.102	036	-	6.2.0	Rel-6	Update of new entities for 3GPP system and WLAN interworking - Align with SA2's 24.244	approved	F	6.3.0	Telecommunication management; Architecture	OAM-AR
SP-040265	32.104	013	-	3.7.0	R99	Correction in requirement for granularity periods	approved	F	3.8.0	Telecommunication management; 3G Performance Management	OAM-PM
SP-040241	32.111-2	030	-	4.6.0	Rel-4	Incorrect alarm interface class diagram	approved	F	4.7.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	OAM-FM
SP-040242	32.152	001	-	6.0.0	Rel-6	UML Repertoire Updates (Associations)	approved	C	6.1.0	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	OAM-NIM
SP-040275	32.200	028	-	5.6.0	Rel-5	Add missing charging principles for CAMEL CPH – Align with CN2's 24.078	approved	F	5.7.0	Telecommunication management; Charging management; Charging principles	OAM-CH
SP-040275	32.205	026	-	5.6.0	Rel-5	Add Charging Data Description for CAMEL CPH - Align with CN2's 24.078	approved	F	5.7.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH

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SP-040276	32.215	033	-	4.7.0	Rel-4	Correction of QoS information definition	approved	F	4.8.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-040277	32.215	034	-	4.7.0	Rel-4	Correction to the selection and use of charging characteristics and profiles	approved	F	4.8.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-040277	32.215	035	-	5.5.0	Rel-5	Correction to the selection and use of charging characteristics and profiles	approved	A	5.6.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-040278	32.225	026	-	5.5.0	Rel-5	Correction of reference to security specification	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040278	32.225	027	-	5.5.0	Rel-5	Correction on CauseForRecordClosing	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040278	32.225	028	-	5.5.0	Rel-5	Correction of Diameter credit control protocol reference - Align with RFC 3588	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040243	32.322	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	OAM-NIM
SP-040243	32.323	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040243	32.324	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040247	32.362	002	-	6.1.0	Rel-6	Correct and clarify semantics of notification parameters and notification table	approved	F	6.2.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	OAM-NIM
SP-040248	32.363	001	-	6.0.0	Rel-6	Clarification of return value of getIRPReference and Correction of Distinguished Name (DN) and IDL errors	approved	F	6.1.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040265	32.401	013	-	4.3.0	Rel-4	Correction in requirement for granularity periods	approved	A	4.4.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-040265	32.401	014	-	5.2.0	Rel-5	Correction in requirement for granularity periods	approved	A	5.3.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-040265	32.401	015	-	6.1.0	Rel-6	Correction in requirement for granularity periods	approved	A	6.2.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-040266	32.403	030	-	4.6.0	Rel-4	Correction of “Inter-RAT handover” measurements	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM

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SP-040266	32.403	031	-	5.6.0	Rel-5	Correction of “Inter-RAT handover” measurements	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040266	32.403	032	-	6.3.0	Rel-6	Correction of “Inter-RAT handover” measurements	approved	A	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040267	32.403	033	-	4.6.0	Rel-4	Correction of “RAB assignment” measurements	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040267	32.403	034	-	5.6.0	Rel-5	Correction of “RAB assignment” measurements	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040267	32.403	035	-	6.3.0	Rel-6	Correction of “RAB assignment” measurements	approved	B	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040269	32.403	036	-	4.6.0	Rel-4	Correction of “hard handover” measurement definitions	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040269	32.403	037	-	5.6.0	Rel-5	Correction of “hard handover” measurement definitions	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040269	32.403	038	-	6.3.0	Rel-6	Correction of “hard handover” measurement definitions	approved	A	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040270	32.403	039	-	6.3.0	Rel-6	Addition of the measurements about RAB modification and RAB release by CN	approved	B	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040271	32.411	003	-	6.2.0	Rel-6	Clarify threshold alarm trigger condition – Align with 32.401 and ITU-T Q.822	approved	F	6.3.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM
SP-040272	32.412	001	-	6.0.0	Rel-6	Clarify and correct the specification of notifications of Monitor	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	OAM-PM
SP-040272	32.412	002	-	6.0.0	Rel-6	Add constraint that PM threshold hysteresis must be positive	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	OAM PM

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SP-040273	32.413	001	-	6.0.0	Rel-6	Correction and enhancement of data type definitions in IDL files	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-PM
SP-040259	32.615	014	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040258	32.615	015	-	4.4.0	Rel-4	Correction of the annex related to XML schema electronic files publication	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM
SP-040258	32.615	016	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	A	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM
SP-040254	32.615	017	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040249	32.622	015	-	5.3.0	Rel-5	Add missing attribute constraints for dnPrefix	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040249	32.622	016	-	6.1.0	Rel-6	Add missing attribute constraints for dnPrefix	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040251	32.622	017	-	5.3.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040251	32.622	018	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040251	32.623	010	-	5.2.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040251	32.623	011	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM

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SP-040252	32.624	014	-	5.3.0	Rel-5	Add missing mappings for the attributes of the managementScope association – Align with the IS 32.622	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040253	32.624	015	-	5.3.0	Rel-6	Add the attribute SetOfMcc to the MOC SubNetwork -Align with IS 32.622	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040250	32.624	016	-	4.5.0	Rel-4	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	approved	F	4.6.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-CM
SP-040250	32.624	017	-	5.3.0	Rel-5	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	approved	A	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-CM
SP-040251	32.624	018	-	5.3.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040259	32.625	006	-	5.2.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040259	32.625	007	-	6.1.0	Rel-6	Removal of XML schema URI dependencies	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040258	32.625	008	-	5.2.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040258	32.625	009	-	6.1.0	Rel-6	Correction of the annex related to XML schema electronic files publication	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040251	32.625	010	-	5.2.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040251	32.625	011	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040259	32.635	004	-	5.2.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040258	32.635	005	-	5.2.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040254	32.642	020	-	5.3.0	Rel-5	Correction of the supported UMTS frequencies	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040254	32.642	021	-	6.0.0	Rel-6	Correction of the supported UMTS frequencies	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040254	32.643	008	-	5.2.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040254	32.643	009	-	6.0.0	Rel-6	The specification does not support all UMTS frequency bands	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040255	32.644	012	-	5.4.0	Rel-5	Correction of type of the attributes cId, localCellId and rncId	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040254	32.644	013	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040259	32.645	008	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040258	32.645	009	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040254	32.645	010	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040256	32.645	011	-	5.4.0	Rel-6	Add XML definitions for support of TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040257	32.654	009	-	5.3.0	Rel-5	Correction of the type of the plmnPermittd attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040259	32.655	007	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040258	32.655	008	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040254	32.655	009	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040260	32.661	003	-	6.0.0	Rel-6	Add State Management Support to Kernel CM IRP Requirements	approved	B	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	OAM-NIM
SP-040260	32.662	006	-	6.2.0	Rel-6	Add State Management Support to Kernel CM IRP IS	approved	B	6.3.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM
SP-040261	32.663	003	-	5.1.0	Rel-5	Add Missing CorrelatedNotificationSetType definition	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040261	32.663	004	-	6.0.0	Rel-6	Add Missing CorrelatedNotificationSetType definition	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM

E.6 CRs direct to TSG SA#24

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040358	01.01	021	-	8.12.0	R99	Corrections to list of specifications	approved	F	8.13.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI
SP-040358	21.101	021	1	5.6.0	Rel-5	Corrections to list of specifications	approved	F	5.7.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI5
SP-040310	21.900	020	-	6.1.1	Rel-6	Release planning	approved	F	6.2.0	Technical Specification Group working methods	TEI
SP-040472	21.900	021	-	6.1.1	Rel-6	Introduction of “Early Implementation” process	rejected	B		Technical Specification Group working methods	TEI6
SP-040358	41.101	004	-	4.10.0	Rel-4	Corrections to list of specifications	approved	F	4.11.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI4
SP-040358	41.101	005	-	5.6.0	Rel-5	Corrections to list of specifications	approved	F	5.7.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI5

Annex F: Status of all 3GPP CRs after TSG SA #24 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-040358	01.01	021	-	8.12.0	R99	Corrections to list of specifications	approved	F	8.13.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
SP-040323	03.71	047	-	8.8.0	R99	Correction of GERAN location request procedure	approved	A	8.9.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040469	03.71	048	-	7.10.0	R98	Correction of GERAN location request procedure	approved	F	7.11.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
TP-040099	11.10-4	A066	-	8.7.0	R99	Essential corrections	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040099	11.10-4	A067	-	8.7.0	R99	Support of GSM 700, GSM 850 and PCS 1900	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040099	11.10-4	A068	-	8.7.0	R99	Corrections of applicability table	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040099	11.10-4	A069	-	8.7.0	R99	Essential corrections to Call Control test cases	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040099	11.10-4	A070	-	8.7.0	R99	Correction on allowing optional parameters in ENVELOPE(CALL CONTROL) command for call set-ups when testing Call Control procedures	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040099	11.10-4	A071	-	8.7.0	R99	Correction of Cell Broadcast message download test	approved	F	8.8.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
SP-040358	21.101	021	1	5.6.0	Rel-5	Corrections to list of specifications	approved	F	5.7.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI5	SP
TP-040100	21.111	011	-	6.0.0	Rel-6	Release 6 alignment	approved	D	6.1.0	USIM and IC card requirements	TEI	T3
SP-040310	21.900	020	-	6.1.1	Rel-6	Release planning	approved	F	6.2.0	Technical Specification Group working methods	TEI	SP
SP-040472	21.900	021	-	6.1.1	Rel-6	Introduction of “Early Implementation” process	rejected	B		Technical Specification Group working methods	TEI6	SP
SP-040286	21.905	057	-	6.6.0	Rel-6	Inclusion of ANP abbreviation as requested by SA3	approved	F	6.7.0	Vocabulary for 3GPP Specifications	Vocabulary	S1
SP-040286	21.905	058	-	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	revised	F		Vocabulary for 3GPP Specifications	WLAN	S1
SP-040449	21.905	058	1	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	revised	F		Vocabulary for 3GPP Specifications	WLAN	S1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-040476	21.905	058	2	6.6.0	Rel-6	Addition WLAN UE definition and classes of equipment and abbreviation	approved	F	6.7.0	Vocabulary for 3GPP Specifications	WLAN	S1
SP-040283	22.004	010	-	4.2.0	Rel-4	Modification of table A1 required to remove wrong SS applicabilities to VG Services	approved	F	4.3.0	General on supplementary services	TEI4	S1
SP-040283	22.004	011	-	5.0.0	Rel-5	Modification of table A1 required to remove wrong SS applicabilities to VG Services	approved	A	5.1.0	General on supplementary services	TEI5	S1
SP-040287	22.011	058	-	6.3.0	Rel-6	Behaviour of Single Mode mobiles with regards to the use of access technology in the PLMN selector lists	approved	F	6.4.0	Service accessibility	TEI6	S1
SP-040287	22.011	059	-	6.3.0	Rel-6	Identification of FDD and TDD in the PLMN selector lists	rejected	F		Service accessibility	TEI6	S1
SP-040287	22.011	060	-	6.3.0	Rel-6	Use of access technology in Periodic Network Selection attempts	approved	F	6.4.0	Service accessibility	TEI6	S1
SP-040287	22.011	061	-	6.3.0	Rel-6	Clarification on the use of the RAT during network selection	approved	F	6.4.0	Service accessibility	TEI6	S1
SP-040299	22.011	062	-	6.3.0	Rel-7	Multimode terminals with 3GPP capability	approved	F	7.0.0	Service accessibility	TEI7	S1
SP-040298	22.011	063	-	6.3.0	Rel-7	Support of multiple HPLMN codes	approved	B	7.0.0	Service accessibility	TEI7	S1
SP-040295	22.011	064	-	6.3.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.4.0	Service accessibility	WLAN-CR	S1
SP-040287	22.011	065	-	6.3.0	Rel-6	Mobile behaviour when performing Periodic Network Selection attempts in un-coordinated networks	rejected	F		Service accessibility	TEI6	S1
SP-040300	22.071	070	-	6.7.0	Rel-7	Accuracy of information Indication of capability	approved	C	7.0.0	Location Services (LCS); Stage 1	LCS2; EMC1	S1
SP-040284	22.078	171	-	5.13.0	Rel-5	SCUDIF corrections for CAMEL interworking	approved	F	5.14.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	SCUDIF	S1
SP-040284	22.078	172	-	6.4.0	Rel-6	SCUDIF corrections for CAMEL interworking	approved	A	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	SCUDIF	S1
SP-040285	22.078	173	-	5.13.0	Rel-5	Correction to preconditions for connecting a held party to the group	approved	F	5.14.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-040285	22.078	174	-	6.4.0	Rel-6	Correction to preconditions for connecting a held party to the group	approved	A	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-040288	22.101	152	-	6.7.0	Rel-6	Correction of UICC related text.	approved	F	6.8.0	Service aspects; Service principles	TEI	S1
SP-040301	22.101	153	-	6.7.0	Rel-7	Termination of location privacy override for emergency calls	approved	B	7.0.0	Service aspects; Service principles	LCS2; EMC1	S1
SP-040292	22.101	154	-	6.7.0	Rel-6	Editorial Correction of R5 reference	approved	F	6.8.0	Service aspects; Service principles	IMS2	S1
SP-040289	22.127	071	-	6.5.0	Rel-6	Correction of open ended OSA high abstraction requirement	approved	F	6.6.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3	S1
SP-040290	22.140	044	-	6.5.0	Rel-6	Support of MMS operator specific services	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-6	S1
SP-040450	22.140	044	1	6.5.0	Rel-6	Support of MMS operator specific services	approved	B	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS-6	S1
SP-040290	22.140	045	-	6.5.0	Rel-6	Clarification on MMS client interaction with UICC	approved	F	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-040290	22.140	046	-	6.5.0	Rel-6	Update to scope and removal of VHE based requirement.	approved	F	6.6.0	Multimedia Messaging Service (MMS); Stage 1	MMS6-SR	S1

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SP-040291	22.146	043	-	6.4.0	Rel-6	Addition of a concept regarding UE joining time	approved	F	6.5.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS	S1
SP-040293	22.228	023	-	6.5.0	Rel-6	Deletion of duplicated scenarios of Annex A	approved	F	6.6.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS	S1
SP-040292	22.228	024	-	6.5.0	Rel-6	Editorial Correction of R5 reference	approved	F	6.6.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS2	S1
SP-040295	22.234	001	-	6.0.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN -CR	S1
SP-040294	22.234	002	-	6.0.0	Rel-6	Addition of a definition of 3GPP PS based services	approved	F	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN	S1
SP-040294	22.234	003	-	6.0.0	Rel-6	TS 22.234 Addition of clause 4. General Description	approved	C	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN	S1
SP-040294	22.234	004	-	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	revised	B		Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN	S1
SP-040475	22.234	004	1	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	approved	B	6.1.0	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN	S1
SP-040423	22.234	004	1	6.0.0	Rel-6	Selection of a PLMN accessed via an I-WLAN	withdrawn	B		Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	WLAN	S1
SP-040296	22.950	007	-	6.2.0	Rel-6	Deletion of Annex C (Informative) from draft ITU-T Recommendation F.706	approved	F	6.3.0	Priority service feasibility study	PRIO R	S1
SP-040296	22.950	008	-	6.2.0	Rel-6	Deletion of Annex B (Informative) from ITU-T Recommendation E.106	approved	F	6.3.0	Priority service feasibility study	PRIO R	S1
SP-040297	22.952	001	-	6.0.0	Rel-6	TR 22.952 - Correction to Figure 5.7: Priority Service Mobile Originated – Queue Time-Out	approved	F	6.1.0	Priority service guide	PRIO R	S1
SP-040297	22.952	002	-	6.0.0	Rel-6	TR 22.952 - Correction to Figure 5.8: Priority Service Call Termination – Radio Resources Unavailable and Queue Time-Out	approved	F	6.1.0	Priority service guide	PRIO R	S1
SP-040297	22.952	003	-	6.0.0	Rel-6	Change of TS 08.08 reference to 48.008	approved	F	6.1.0	Priority service guide	PRIO R	S1
SP-040312	23.002	138	1	6.4.0	Rel-6	Introduction of WLAN Interworking functional elements in 23.002	approved	F	6.5.0	Network architecture	WLAN	S2
SP-040312	23.002	139	-	6.4.0	Rel-6	Introduction of WLAN Interworking reference points and configuration in 23.002	approved	F	6.5.0	Network architecture	WLAN	S2
SP-040312	23.002	141	2	6.4.0	Rel-6	Configuration of Presence Service	approved	F	6.5.0	Network architecture	PRES NC	S2
SP-040312	23.002	142	1	6.4.0	Rel-6	Correction on the scope of the Ut reference point	approved	F	6.5.0	Network architecture	TEI	S2
SP-040312	23.002	143	-	6.4.0	Rel-6	Missing Lr reference point in 23.002	approved	F	6.5.0	Network architecture	LCS2	S2
NP-040220	23.003	086	4	6.2.0	Rel-6	Clarification of uses of SIP URIs for Public User ID	approved	F	6.3.0	Numbering, addressing and identification	IMS2-CCR	N4
NP-040221	23.003	088	1	6.2.0	Rel-6	Addition of TMGI	withdrawn	B		Numbering, addressing and identification	MBMS	N4
NP-040277	23.003	088	1	6.2.0	Rel-6	Addition of TMGI	approved	B	6.3.0	Numbering, addressing and identification	MBMS	N4

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NP-040227	23.008	130	4	6.1.0	Rel-6	Modification of IMEISV definition due to ADD function	approved	B	6.2.0	Organisation of subscriber data	TEI6	N4
NP-040222	23.008	131	1	6.1.0	Rel-6	Active Location Retrieval for MT call handling	withdrawn	B		Organisation of subscriber data	TEI6	N4
NP-040284	23.008	131	1	6.1.0	Rel-6	Retrieval of Current Location during MT call handling	rejected	B		Organisation of subscriber data	TEI6	N4
NP-040278	23.008	131	1	6.1.0	Rel-6	Retrieval of Current Location during MT call handling	withdrawn	B		Organisation of subscriber data	TEI6	N4
RP-040252	23.008	131	1	6.1.0	Rel-6	Retrieval of Current Location during MT call handling	approved	B	6.2.0	Organisation of subscriber data	TEI6	N4
NP-040227	23.012	015	6	6.0.0	Rel-6	Addition of ADD feature	approved	B	6.1.0	Location management procedures	TEI6	N4
NP-040226	23.015	007	2	5.0.0	Rel-6	ODB Handling for existing PDP	approved	F	6.0.0	Technical realization of Operator Determined Barring (ODB)	ODB	N4
TP-040094	23.040	072	-	6.3.0	Rel-6	Enhanced Voice Mail Information	revised	B		Technical realization of Short Message Service (SMS)	TEI6	T2
TP-040096	23.040	072	1	6.3.0	Rel-6	Enhanced Voice Mail Information	approved	B	6.4.0	Technical realization of Short Message Service (SMS)	TEI6	T2
TP-040094	23.040	073	-	6.3.0	Rel-6	Optional IEI's	approved	F	6.4.0	Technical realization of Short Message Service (SMS)	TEI6	T2
SP-040313	23.060	493	1	6.4.0	Rel-6	Correction of Figure A.4: SDL Diagram 4	approved	F	6.5.0	General Packet Radio Service (GPRS); Service description; Stage 2	TEI6	S2
SP-040313	23.060	494	3	6.4.0	Rel-6	Automatic Device Detection function and Gs interface	approved	F	6.5.0	General Packet Radio Service (GPRS); Service description; Stage 2	TEI6	S2
NP-040208	23.078	659	3	6.1.0	Rel-6	Active Location Retrieval for MT call handling	rejected	B		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040209	23.078	685	2	6.1.0	Rel-6	IP version of GGSN address for CAMEL	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040249	23.078	685	3	6.1.0	Rel-6	IP version of GGSN address for CAMEL	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040207	23.078	713	2	5.7.0	Rel-5	Correction to Tssf timer	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	714	1	5.7.0	Rel-5	Correction to Move Leg pre-condition	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040209	23.078	716	3	6.1.0	Rel-6	Enhancement to Connect To Resource	withdrawn	B		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040249	23.078	716	3	6.1.0	Rel-6	Enhancement to Connect To Resource	approved	B	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040207	23.078	717	-	5.7.0	Rel-5	Correction to D-CSI suppression in Continue With Argument	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	718	3	5.7.0	Rel-5	Correction to InitialDP IF for NP leg	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040207	23.078	719	1	5.7.0	Rel-5	Correction to Entity Released for individual call party	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	720	1	5.7.0	Rel-5	Correction to User Interaction before Answer	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	721	1	6.1.0	Rel-6	Correction to Tssf timer	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	722	-	6.1.0	Rel-6	Correction to D-CSI suppression in Continue With Argument	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040209	23.078	723	-	6.1.0	Rel-6	Correction to CS_gsmSSF for call release	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040249	23.078	723	-	6.1.0	Rel-6	Correction to CS_gsmSSF for call release	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040209	23.078	724	-	6.1.0	Rel-6	Stopping charging timers after Cancel[All]	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040249	23.078	724	-	6.1.0	Rel-6	Stopping charging timers after Cancel[All]	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI6	N2
NP-040207	23.078	725	-	6.1.0	Rel-6	Correction to Move Leg pre-condition	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	726	-	6.1.0	Rel-6	Correction to InitialDP IF for NP leg	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	727	-	6.1.0	Rel-6	Correction to User Interaction before Answer	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040207	23.078	728	-	6.1.0	Rel-6	Correction to Entity Released for individual call party	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040217	23.079	080	-	5.4.0	Rel-5	Enhancement to Route_Permitted procedure to handle Short/ Long FTNs	approved	F	5.5.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	CAMEL4	N4
NP-040202	23.122	069	5	6.0.0	Rel-6	Clarification on the use of the RAT during background scanning.	approved	F	6.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI6	N1
NP-040202	23.122	071	1	6.0.0	Rel-6	Role of ePLMN list in manual PLMN selection mode	approved	F	6.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI6	N1
NP-040202	23.122	072	1	6.0.0	Rel-6	Roaming not allowed for GPRS update state	approved	F	6.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI6	N1
NP-040202	23.122	073	-	6.0.0	Rel-6	Data field -> data file	approved	D	6.1.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI6	N1
SP-040314	23.125	002	1	6.0.0	Rel-6	Introduction of charging rule identifier	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2

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SP-040314	23.125	003	2	6.0.0	Rel-6	Introdution of modify and add charging actions	withdrawn	B		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	004	1	6.0.0	Rel-6	Add some use cases to the Flow Based Charging	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	006	2	6.0.0	Rel-6	Time based charging tariffs	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	008	2	6.0.0	Rel-6	FBC and IMS	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	009	-	6.0.0	Rel-6	RAT Type as possible re-authorisation trigger	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	011	1	6.0.0	Rel-6	Ro reference removal	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	012	2	6.0.0	Rel-6	Bearer establishment, charging rules availability and credit control	withdrawn	F		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	013	2	6.0.0	Rel-6	Traffic flow at TPF	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	014	2	6.0.0	Rel-6	Bearer modification triggers	withdrawn	C		Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	016	1	6.0.0	Rel-6	Time and volume allocation in online charging	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	018	-	6.0.0	Rel-6	General Corrections	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	019	-	6.0.0	Rel-6	Gx connection maintenance	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	020	-	6.0.0	Rel-6	Rx connection maintenance	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	021	2	6.0.0	Rel-6	FBC online charging	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	024	1	6.0.0	Rel-6	Message flow for input to provision of charging rules in Ry interface	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	025	2	6.0.0	Rel-6	Correction to the Termination Action	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	027	1	6.0.0	Rel-6	Clarification to the charging rule	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2

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SP-040314	23.125	028	1	6.0.0	Rel-6	Information to support charging rule selection	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	033	1	6.0.0	Rel-6	Re-authorization in case of charging rule change	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	035	1	6.0.0	Rel-6	Applying charging rules input from AF	approved	F	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	036	1	6.0.0	Rel-6	Set of charging rules	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	037	3	6.0.0	Rel-6	Policy functions provided by FBC	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	043	1	6.0.0	Rel-6	TPF in the GGSN for WLAN access	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	045	2	6.0.0	Rel-6	FBC and GAA	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040314	23.125	046	2	6.0.0	Rel-6	Limitations of FBC for IMS	approved	B	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040458	23.125	047	-	6.0.0	Rel-6	Combined CR for CR#3, CR#12, CR#14	approved	C	6.1.0	Overall high level functionality and architecture impacts of flow based charging; Stage 2	CH	S2
SP-040315	23.127	047	1	6.0.0	Rel-6	Add descriptions of OSA high-level abstraction interfaces	approved	F	6.1.0	Virtual Home Environment (VHE) / Open Service Access (OSA)	OSA3	S2
TP-040095	23.140	158	-	6.5.0	Rel-6	Addition of recipient list to MM4_Forward.RES	approved	B	6.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040095	23.140	159	-	6.5.0	Rel-6	Correcting “X-Mms-Read-Status” erroneous mapping on Annex I	approved	F	6.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040095	23.140	160	-	5.10.0	Rel-5	Changing erroneous OMA references from MMS1.1 to MMS1.2	approved	F	5.11.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MESS 5-MMS	T2
TP-040095	23.140	161	-	6.5.0	Rel-6	Changing erroneous OMA references from MMS1.1 to MMS1.2	approved	F	6.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040095	23.140	162	-	6.5.0	Rel-6	MM7 delivery conditions for MMS	approved	B	6.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040095	23.140	163	-	6.5.0	Rel-6	Size indication by MMS UA	approved	C	6.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
SP-040316	23.141	061	3	6.5.0	Rel-6	Move the annex B to the formal part of the TS for” 3GPP-WLAN IW supplier for PRESENCE information”	approved	B	6.6.0	Presence service; Architecture and functional description; Stage 2	PRES NC	S2
SP-040316	23.141	063	3	6.5.0	Rel-6	3GPP-WLAN supplier for PRESENCE information	approved	B	6.6.0	Presence service; Architecture and functional description; Stage 2	PRES NC	S2
SP-040316	23.141	064	2	6.5.0	Rel-6	Level of support in the Presence Network Agent	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRES NC	S2
SP-040316	23.141	065	2	6.5.0	Rel-6	Correction of Pl text referencing Le to reference LIF-MLP directly	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRES NC	S2

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SP-040316	23.141	066	1	6.5.0	Rel-6	Removal of misleading example relating to Pi reference point	approved	F	6.6.0	Presence service; Architecture and functional description; Stage 2	PRESNC	S2
NP-040276	23.153	070	1	4.9.0	Rel-4	Correction of Codec Negotiation and supported codec mode configurations	approved	F	4.10.0	Out of Band Transcoder Control; Stage 2	OoBTC	N4
NP-040214	23.153	070	1	4.9.0	Rel-4	orrection of Codec Negotiation and supported codec mode configurations	withdrawn	F		Out of Band Transcoder Control; Stage 2	OoBTC	N4
NP-040276	23.153	071	1	5.7.0	Rel-5	Correction of Codec Negotiation and supported codec mode configurations	approved	A	5.8.0	Out of Band Transcoder Control; Stage 2	OoBTC	N4
NP-040214	23.153	071	1	5.7.0	Rel-5	orrection of Codec Negotiation and supported codec mode configurations	withdrawn	A		Out of Band Transcoder Control; Stage 2	OoBTC	N4
NP-040219	23.153	072	-	5.7.0	Rel-5	Correction to section 6.5 on information flow after UMTS to GSM handover	approved	F	5.8.0	Out of Band Transcoder Control; Stage 2	OoBTC	N4
SP-040317	23.207	077	3	6.2.0	Rel-6	Authorisation Reject Procedure by the PDF	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040317	23.207	079	1	6.2.0	Rel-6	AF capabilities	approved	F	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040317	23.207	080	2	6.2.0	Rel-6	General corrections	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040317	23.207	081	1	6.2.0	Rel-6	Intra-domain Gq for IMS	approved	F	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040317	23.207	083	-	6.2.0	Rel-6	Condition for update authorization procedure	approved	B	6.3.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040318	23.221	047	2	6.2.0	Rel-6	Handling of PDP Contexts	approved	F	6.3.0	Architectural requirements	IMS2	S2
SP-040318	23.221	048	1	6.2.0	Rel-6	IPv4 based IMS	approved	C	6.3.0	Architectural requirements	IPv4IMS	S2
SP-040318	23.221	049	1	5.9.0	Rel-5	IPv4 based IMS	approved	C	5.10.0	Architectural requirements	IPv4IMS	S2
SP-040319	23.228	413	2	6.5.0	Rel-6	Session based messaging corrections to align with draft-ietf-simple-message-sessions-04	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	418	1	6.5.0	Rel-6	IPv6-IPv4 interworking	approved	B	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	419	2	6.5.0	Rel-6	IPv4-IPv6 interworking flows	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	420	-	6.5.0	Rel-6	SDP acronym	approved	D	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	421	2	6.5.0	Rel-6	Clarification of Message Charging Principles	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	422	4	6.5.0	Rel-6	Service indication in Session Initiation	approved	B	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	424	2	6.5.0	Rel-6	Registration Requirement related to Application Server	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	425	4	6.5.0	Rel-6	Registration Status Event Sub/Notification between Application Server and S-CSCF	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	427	1	6.5.0	Rel-6	Definition of Private User Identity	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	428	2	6.5.0	Rel-6	Clarification of IMS identity sharing	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	430	1	6.5.0	Rel-6	Updates on the Gq interface in 23.228	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	QoS1	S2
SP-040319	23.228	431	-	6.5.0	Rel-6	IMS procedures modification for token generation	approved	C	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	QoS1	S2
SP-040319	23.228	432	2	6.5.0	Rel-6	Release of Session based messaging session with intermediate node	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040319	23.228	434	1	6.5.0	Rel-6	Information storage after registration	approved	F	6.6.0	IP Multimedia Subsystem (IMS); Stage 2	IMS	S2
SP-040320	23.234	001	2	6.0.0	Rel-6	Update of disconnection procedures	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2

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SP-040320	23.234	005	1	6.0.0	Rel-6	Correcting status of Annex D from Informative back to Normative	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	012	-	6.0.0	Rel-6	Clarifications on the Wa reference point	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	013	1	6.0.0	Rel-6	Corrections in the network selection clause	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	018	-	6.0.0	Rel-6	Clarification of Wm reference point	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	022	2	6.0.0	Rel-6	Routing Enforcement in WLAN AN	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	027	-	6.0.0	Rel-6	Corrections of Wg definition and some obsolete texts	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	029	2	6.0.0	Rel-6	Update on definition on WLAN UE	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	030	6	6.0.0	Rel-6	Suggested changes to the new WLAN access terms	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	031	1	6.0.0	Rel-6	Missing modifications to Annex D	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	033	3	6.0.0	Rel-6	WLAN UE initiated disconnection procedures	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	035	2	6.0.0	Rel-6	Clarification on WLAN access authentication and authorisation	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	036	-	6.0.0	Rel-6	Reference to 23.825	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	038	2	6.0.0	Rel-6	Considerations on the format of the IP address used for tunnel establishment	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	041	2	6.0.0	Rel-6	Per-user charging in the VPLMN	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	043	2	6.0.0	Rel-6	Roaming access to WLAN local services in Scenario 2	revised	C		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	044	1	6.0.0	Rel-6	Correction of Wd reference point requirements	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	045	1	6.0.0	Rel-6	Clarification of Wm reference point requirements	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2

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SP-040320	23.234	047	2	6.0.0	Rel-6	Re-authentication	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	048	3	6.0.0	Rel-6	Alignment with 3GPP IMS architecture: SLF usage in Wx to locate the HSS	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040417	23.234	051	3	6.0.0	Rel-6	WLAN User Profile revision	withdrawn	F		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	052	2	6.0.0	Rel-6	Removal of WLAN UE classes	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	053	1	6.0.0	Rel-6	Combined CR on annex F	revised	F		3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040454	23.234	053	2	6.0.0	Rel-6	Merge of approved CR's in TS 23.234, Annex F	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040320	23.234	054	1	6.0.0	Rel-6	Combined CR to 23.234 Annex D (SMS over IP)	approved	F	6.1.0	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	WLAN	S2
SP-040321	23.240	017	1	6.3.0	Rel-6	GUP Server in Home operator network	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040321	23.240	018	1	6.3.0	Rel-6	Rp Intra-operator interface	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040321	23.240	019	1	6.3.0	Rel-6	GUP Authentication failure	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040321	23.240	020	-	6.3.0	Rel-6	Removal of editor's note on existing profile components	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040321	23.240	021	1	6.3.0	Rel-6	Addition of an example in Annex A	approved	F	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040321	23.240	022	2	6.3.0	Rel-6	Clarification of requirement for component location management	approved	B	6.4.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
TP-040093	23.241	001	-	6.0.0	Rel-6	Correction of naming of structural main parts	approved	F	6.1.0	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	GUP	T2
SP-040322	23.246	051	4	6.2.0	Rel-6	Optimization of MBMS multicast service activation procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	052	1	6.2.0	Rel-6	Correction of erroneous references	approved	D	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	056	1	6.2.0	Rel-6	Session duration on Broadcast Session Start Procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	057	3	6.2.0	Rel-6	Removing FFS from TS 23.246	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	058	3	6.2.0	Rel-6	Clarification on relationships between MBMS Session Stop & MBMS De-registration & MBMS De-activation	approved	D	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2

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SP-040322	23.246	059	1	6.2.0	Rel-6	Remove some FFS on PMM-CONNECTED vs RRC-CONNECTED UEs	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	061	2	6.2.0	Rel-6	Correction on MBMS deregistration procedure	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	062	3	6.2.0	Rel-6	New addition to MBMS bearer context	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	066	3	6.2.0	Rel-6	CR for MBMS UE Context in 6.1	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	069	1	6.2.0	Rel-6	Removing Security requirements from 23.246	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	077	2	6.2.0	Rel-6	Proposed Flow Based Charging for MBMS	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	078	1	6.2.0	Rel-6	Notification of Incoming CS Domain Call/PS Data/Additional MBMS Call during An Ongoing MBMS Session for GERAN	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040322	23.246	083	2	6.2.0	Rel-6	Clarification of MBMS subscription	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040323	23.271	255	3	6.7.0	Rel-6	Delete the iterant section	approved	D	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	257	5	6.7.0	Rel-6	Clarifications of section 10 " Information storage"	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	260	1	6.7.0	Rel-6	Clarification of MLP and RLP usage in 23.271	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	266	2	6.7.0	Rel-6	Clarification to the privacy related action selection flow diagram for Rel-6	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	267	-	6.7.0	Rel-6	Additional explanation on the privacy check procedure in Rel-6, regarding the PLMN Operator service.	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	268	1	6.7.0	Rel-6	Clarifications regarding the information of V-GMLC address that is send from HLR/HSS to GMLC, during Common MT-LR procedure in CS and PS domain	approved	D	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	269	-	6.7.0	Rel-6	Clarifications on the NI-LR and CS-MT-LR without HLR Query, for the SIM-less emergency call case.	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	271	-	6.7.0	Rel-6	Enhancement of MO-LR	approved	B	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	273	2	6.7.0	Rel-6	E112 emergency call support	approved	F	6.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040323	23.271	274	1	5.10.0	Rel-5	Clarifications regarding the non-dialable callback number in general and the NI-LR using Location Based Routing procedure, in Rel-.	approved	F	5.11.0	Location Services (LCS); Functional description; Stage 2	LCS1	S2
SP-040324	23.851	001	-	6.0.0	Rel-6	Clarification of Gs usage	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar	S2

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SP-040324	23.851	005	1	6.0.0	Rel-6	Clarification of CN operator identity usage in MSC and SGSN	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar	S2
SP-040324	23.851	006	4	6.0.0	Rel-6	Information flow of the CN centric redirection	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar	S2
SP-040324	23.851	011	3	6.0.0	Rel-6	Detailing RAN Centric redirection	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar	S2
SP-040324	23.851	012	3	6.0.0	Rel-6	Connection-less interrogation as optimisation	approved	F	6.1.0	Network sharing; Architecture and functional description	NTShar	S2
SP-040325	23.976	001	1	6.0.1	Rel-6	NRPCA with Dynamic IP Address Assignment conclusion	revised	F		Push architecture	PUSH	S2
SP-040446	23.976	001	2	6.0.1	Rel-6	NRPCA with Dynamic IP Address Assignment conclusion	approved	F	6.1.0	Push architecture	PUSH	S2
NP-040185	24.007	060	1	3.9.0	R99	Corrections concerning the use of the LCS protocol	approved	F	3.10.0	Mobile radio interface signalling layer 3; General Aspects	LCS	N1
NP-040185	24.007	061	1	4.2.0	Rel-4	Corrections concerning the use of the LCS protocol	approved	A	4.3.0	Mobile radio interface signalling layer 3; General Aspects	LCS	N1
NP-040185	24.007	062	1	5.1.0	Rel-5	Corrections concerning the use of the LCS protocol	approved	A	5.2.0	Mobile radio interface signalling layer 3; General Aspects	LCS	N1
NP-040185	24.007	063	1	6.0.0	Rel-6	Corrections concerning the use of the LCS protocol	approved	A	6.1.0	Mobile radio interface signalling layer 3; General Aspects	LCS	N1
NP-040185	24.008	853	1	3.18.0	R99	Clarification of the use of service type 'Location services'	approved	F	3.19.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	LCS	N1
NP-040185	24.008	854	1	4.13.0	Rel-4	Clarification of the use of service type 'Location services'	approved	A	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	LCS	N1
NP-040185	24.008	855	1	5.11.0	Rel-5	Clarification of the use of service type 'Location services'	approved	A	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	LCS	N1
NP-040185	24.008	856	1	6.4.0	Rel-6	Clarification of the use of service type 'Location services'	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	LCS	N1
NP-040186	24.008	857	1	3.18.0	R99	Correction of the network initiated in-call modification	approved	F	3.19.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	858	1	4.13.0	Rel-4	Correction of the network initiated in-call modification	approved	A	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	859	1	5.11.0	Rel-5	Correction of the network initiated in-call modification	approved	A	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	860	1	6.4.0	Rel-6	Correction of the network initiated in-call modification	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040187	24.008	861	1	4.13.0	Rel-4	Suspension of CM layer services during GMM procedures	approved	F	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040187	24.008	862	1	5.11.0	Rel-5	Suspension of CM layer services during GMM procedures	approved	A	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1

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NP-040187	24.008	863	1	6.4.0	Rel-6	Suspension of CM layer services during GMM procedures	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040187	24.008	864	1	4.13.0	Rel-4	LCS VA capability in MS network capability IE for PS	approved	F	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040187	24.008	865	1	5.11.0	Rel-5	LCS VA capability in MS network capability IE for PS	approved	A	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040187	24.008	866	1	6.4.0	Rel-6	LCS VA capability in MS network capability IE for PS	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040190	24.008	868	-	5.11.0	Rel-5	GERAN Iu mode capability and future Iu mode-specific extensions	approved	F	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-040203	24.008	869	1	6.4.0	Rel-6	Introduction of Flexible Layer One Iu capability	approved	B	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-040187	24.008	870	1	4.13.0	Rel-4	Missing semicolon in the Mobile Station Classmark 3 IE	approved	F	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI4	N1
NP-040203	24.008	871	2	6.4.0	Rel-6	Identity request for identity that is not available	approved	F	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-040186	24.008	876	2	3.18.0	R99	Reference to 4.7.x.4	approved	F	3.19.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	877	2	4.13.0	Rel-4	Reference to 4.7.x.4	approved	A	4.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	878	2	5.11.0	Rel-5	Reference to 4.7.x.4	approved	A	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040186	24.008	879	2	6.4.0	Rel-6	Reference to 4.7.x.4	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040190	24.008	880	1	5.11.0	Rel-5	Handling of key sets at inter-system change	approved	F	5.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-040190	24.008	881	1	6.4.0	Rel-6	Handling of key sets at inter-system change	approved	A	6.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-040203	24.008	882	1	6.4.0	Rel-6	Follow-on proceed for the PS domain	rejected	B		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-040188	24.228	129	-	5.8.0	Rel-5	Removal of public user ID binding by P-CSCF	approved	F	5.9.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-040188	24.228	130	1	5.8.0	Rel-5	GPRS charging information in P-Charging-Vector header field	approved	F	5.9.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040188	24.228	131	-	5.8.0	Rel-5	Revisions due to published version of draft-ietf-sipping-reg-event	approved	F	5.9.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040188	24.228	132	1	5.8.0	Rel-5	Revision of IETF references to published versions	approved	F	5.9.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040191	24.229	621	2	6.2.0	Rel-6	Forking requests terminating at the served user	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040191	24.229	624	1	6.2.0	Rel-6	Abbreviations	approved	D	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040191	24.229	625	5	6.2.0	Rel-6	Removal of restriction for multiple SIP sessions on a single PDP context	approved	B	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040191	24.229	626	3	6.2.0	Rel-6	Record route in S-CSCF	approved	C	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040189	24.229	627	3	6.2.0	Rel-6	Correction of reception of media authorization token	approved	A	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040191	24.229	628	3	6.2.0	Rel-6	Introduction of PSI Routing to 24.229	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040198	24.229	629	2	6.2.0	Rel-6	Addition of PRESNC material	approved	B	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	PRESNC	N1
NP-040189	24.229	630	1	5.8.0	Rel-5	Missing statements regarding P-Charging-Function-Addresses header	approved	F	5.9.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040189	24.229	631	1	6.2.0	Rel-6	Missing statements regarding P-Charging-Function-Addresses header	approved	A	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-040191	24.229	634	1	6.2.0	Rel-6	Multiple registrations	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040192	24.229	635	1	6.2.0	Rel-6	Network-initiated deregistration	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040192	24.229	636	-	6.2.0	Rel-6	Network-initiated re-authentication	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040192	24.229	637	1	6.2.0	Rel-6	Mobile-initiated deregistration	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040192	24.229	638	1	6.2.0	Rel-6	Notification about registration state	approved	F	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040189	24.229	641	3	5.8.0	Rel-5	Syntax of the extension to the P-Charging-Vector header field	approved	F	5.9.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040189	24.229	642	3	6.2.0	Rel-6	Syntax of the extension to the P-Charging-Vector header field	approved	A	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040192	24.229	643	2	6.2.0	Rel-6	Session Timer	approved	B	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040193	24.229	644	3	6.2.0	Rel-6	Session initiation without preconditions	approved	B	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040192	24.229	645	1	6.2.0	Rel-6	IMS Conferencing: Inclusion of Profile Tables to TS 24.229	approved	B	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040189	24.229	647	1	5.8.0	Rel-5	Correction of reception of media authorization token	approved	F	5.9.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040189	24.229	648	1	5.8.0	Rel-5	Revisions due to published version of draft-ietf-sipping-reg-event	approved	F	5.9.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-040189	24.229	649	1	6.2.0	Rel-6	Revisions due to published version of draft-ietf-sipping-reg-event	approved	A	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040198	24.229	652	-	6.2.0	Rel-6	Creation of separate event package table for UA role	approved	C	6.3.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2, PRESNC	N1
RP-040199	25.101	341	-	5.10.0	Rel-5	UE maximum output power with HS-DPCCH	revised	F		User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040251	25.101	341	1	5.10.0	Rel-5	UE maximum output power with HS-DPCCH	approved	F	5.11.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040199	25.101	342	-	6.4.0	Rel-6	UE maximum output power with HS-DPCCH	revised	A		User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040251	25.101	342	1	6.4.0	Rel-6	UE maximum output power with HS-DPCCH	rejected	A		User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040193	25.101	343	1	5.10.0	Rel-5	Correction of maximum allowed power and range in TFC selection with HS-DPCCH and other clarifications	revised	F		User Equipment (UE) radio transmission and reception (FDD)	TEI5	R4
RP-040251	25.101	343	2	5.10.0	Rel-5	Correction of maximum alloved power and range in TFC selection with HS-DPCCH and other clarifications	approved	F	5.11.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040193	25.101	344	1	6.4.0	Rel-6	Correction of maximum allowed power and range in TFC selection with HS-DPCCH and other clarifications	revised	F		User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-040251	25.101	344	2	6.4.0	Rel-6	Correction of maximum alloved power and range in TFC selection with HS-DPCCH and other clarifications	rejected	F		User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040228	25.104	223	2	6.5.0	Rel-6	Redrafting of spurious emission tables for co-existence	approved	D	6.6.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-040228	25.104	224	2	6.5.0	Rel-6	Redrafting of blocking tables for co-location & Requirements for Medium Range BS and Local Area BS in case of co-location	approved	F	6.6.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-040228	25.104	225	1	6.5.0	Rel-6	DCH/RACH/CPCH performance requirement for BS without Rx diversity	approved	B	6.6.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-040228	25.104	226	-	6.5.0	Rel-6	Corrections on terminology	approved	F	6.6.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-040189	25.105	152	-	4.7.0	Rel-4	Clarification of measurement filter of spurious emission considering coexistence issue	approved	F	4.8.0	Base Station (BS) radio transmission and reception (TDD)	TEI4	R4
RP-040189	25.105	153	-	5.5.0	Rel-5	Clarification of measurement filter of spurious emission considering coexistence issue	approved	A	5.6.0	Base Station (BS) radio transmission and reception (TDD)	TEI4	R4
RP-040189	25.105	154	-	6.0.0	Rel-6	Clarification of measurement filter of spurious emission considering coexistence issue	approved	A	6.1.0	Base Station (BS) radio transmission and reception (TDD)	TEI4	R4
RP-040191	25.106	030	-	4.7.0	Rel-4	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	F	4.8.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-040191	25.106	031	-	5.7.0	Rel-5	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	A	5.8.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-040191	25.106	032	-	6.0.0	Rel-6	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	A	6.1.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-040192	25.106	033	1	4.7.0	Rel-4	New Adjacent Channel Rejection Ratio for Repeaters	approved	F	4.8.0	UTRA repeater radio transmission and reception	RInImp-REP	R4

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RP-040192	25.106	034	1	5.7.0	Rel-5	New Adjacent Channel Rejection Ratio for Repeaters	approved	A	5.8.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-040192	25.106	035	1	6.0.0	Rel-6	New Adjacent Channel Rejection Ratio for Repeaters	approved	A	6.1.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-040190	25.123	340	-	4.12.0	Rel-4	Test case for SFN-SFN observed time difference type 2 for 3.84Mcps TDD	approved	F	4.13.0	Requirements for support of radio resource management (TDD)	TEI4	R4
RP-040190	25.123	341	-	5.8.0	Rel-5	Test case for SFN-SFN observed time difference type 2 for 3.84Mcps TDD	approved	A	5.9.0	Requirements for support of radio resource management (TDD)	TEI4	R4
RP-040190	25.123	342	-	6.1.0	Rel-6	Test case for SFN-SFN observed time difference type 2 for 3.84Mcps TDD	approved	A	6.2.0	Requirements for support of radio resource management (TDD)	TEI4	R4
RP-040228	25.123	343	-	6.1.0	Rel-6	Correction to GSM reselection in CELL_FACH for 3.84Mcps TDD	approved	F	6.2.0	Requirements for support of radio resource management (TDD)	TEI6	R4
RP-040226	25.133	655	3	3.17.0	R99	Change of test cases using event triggered reporting with event 1B	approved	F	3.18.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040228	25.133	659	1	6.5.0	Rel-6	Removal of the 5s limitation of the identification time in interfrequency handovers	approved	F	6.6.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-040194	25.133	660	1	5.10.0	Rel-5	Clarification of HS-DPCCH in Transport format combination selection requirements	revised	F		Requirements for support of radio resource management (FDD)	HSDPA-RF	R4
RP-040251	25.133	660	2	5.10.0	Rel-5	Clarification of HS-DPCCH in Transport format combination selection requirements	approved	F	5.11.0	Requirements for support of radio resource management (FDD)	HSDPA-RF	R4
RP-040194	25.133	661	1	6.5.0	Rel-6	Clarification of HS-DPCCH in Transport format combination selection requirements	revised	A		Requirements for support of radio resource management (FDD)	HSDPA-RF	R4
RP-040251	25.133	661	2	6.5.0	Rel-6	Clarification of HS-DPCCH in Transport format combination selection requirements	rejected	A		Requirements for support of radio resource management (FDD)	HSDPA-RF	R4
RP-040194	25.133	662	1	5.10.0	Rel-5	Correction to UTRA Carrier RSSI measurement tables in test cases	approved	F	5.11.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040194	25.133	663	1	6.5.0	Rel-6	Correction to UTRA Carrier RSSI measurement tables in test cases	approved	F	6.6.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-040194	25.133	664	1	5.10.0	Rel-5	Corrections to Io, Ioc and RSCP levels for testing different frequency bands	approved	F	5.11.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040194	25.133	665	1	6.5.0	Rel-6	Corrections to Io, Ioc and RSCP levels for testing different frequency bands	approved	F	6.6.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-040194	25.133	666	1	5.10.0	Rel-5	Removal of square brackets and other corrections to support T1	approved	F	5.11.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040194	25.133	667	1	6.5.0	Rel-6	Removal of square brackets and other corrections to support T1	approved	A	6.6.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040228	25.133	668	1	6.5.0	Rel-6	Clarification to BSIC verification	approved	F	6.6.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-040226	25.133	673	-	3.17.0	R99	Correction of erroneous implementation of CR#211	approved	F	3.18.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040248	25.133	674	-	5.10.0	Rel-5	Clarification of UE procedure in case of HHO failure	revised	F		Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040254	25.133	674	1	5.10.0	Rel-5	Clarification of UE procedure in case of HHO failure	approved	F	5.11.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-040254	25.133	675	-	6.5.0	Rel-6	Clarification of UE procedure in case of HHO failure	approved	F	6.6.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-040228	25.141	343	2	6.5.0	Rel-6	Redrafting of spurious emission tables for co-existence	approved	D	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4

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RP-040228	25.141	344	2	6.5.0	Rel-6	Redrafting of blocking tables for co-location & Requirements for Medium Range BS and Local Area BS in case of co-location	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040228	25.141	345	-	6.5.0	Rel-6	Spectrum mask test requirement for Band IV	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040228	25.141	346	-	6.5.0	Rel-6	Correction of AWGN level for MR and LA BS classes receiver performance verification	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040228	25.141	347	1	6.5.0	Rel-6	Introduction of DCH/RACH/CPCH performance test requirement for BS without Rx diversity	approved	B	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040197	25.141	348	1	6.5.0	Rel-6	Clarifications of test procedures for HS-DPCCH signaling detection requirements	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	HSDPA-RF	R4
RP-040228	25.141	349	1	6.5.0	Rel-6	Corrections on terminology	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040228	25.141	350	-	6.5.0	Rel-6	Correction of signal level for medium range and local are BS class verification of internal BLER calculation	approved	F	6.6.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-040189	25.142	169	1	4.8.0	Rel-4	Clarification of measurement filter of spurious emission considering coexistence issue	approved	F	4.9.0	Base Station (BS) conformance testing (TDD)	TEI4	R4
RP-040189	25.142	170	1	5.6.0	Rel-5	Clarification of measurement filter of spurious emission considering coexistence issue	approved	A	5.7.0	Base Station (BS) conformance testing (TDD)	TEI4	R4
RP-040189	25.142	171	1	6.0.0	Rel-6	Clarification of measurement filter of spurious emission considering coexistence issue	approved	A	6.1.0	Base Station (BS) conformance testing (TDD)	TEI4	R4
RP-040191	25.143	041	-	4.9.0	Rel-4	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	F	4.10.0	UTRA repeater conformance testing	RInImp-REP	R4
RP-040191	25.143	042	-	5.7.0	Rel-5	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	A	5.8.0	UTRA repeater conformance testing	RInImp-REP	R4
RP-040191	25.143	043	-	6.0.0	Rel-6	Spurious emissions: Co-existence with services in adjacent frequency bands	approved	A	6.1.0	UTRA repeater conformance testing	RInImp-REP	R4
RP-040192	25.143	044	1	4.9.0	Rel-4	New Adjacent Channel Rejection Ratio for Repeaters	approved	F	4.10.0	UTRA repeater conformance testing	RInImp-Rep	R4
RP-040192	25.143	045	1	5.7.0	Rel-5	New Adjacent Channel Rejection Ratio for Repeaters	approved	A	5.8.0	UTRA repeater conformance testing	RInImp-Rep	R4
RP-040192	25.143	046	1	6.0.0	Rel-6	New Adjacent Channel Rejection Ratio for Repeaters	approved	A	6.1.0	UTRA repeater conformance testing	RInImp-Rep	R4
RP-040231	25.211	189	1	6.0.0	Rel-6	Re-Introduction of S-CPICH in combination with Closed Loop TxDiversity	approved	B	6.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	TEI6	R1
RP-040231	25.211	190	-	6.0.0	Rel-6	Clarification of NTFCI field of DL-DPCCH power preamble for CPCH	approved	F	6.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	TEI6	R1
RP-040230	25.212	190	1	5.8.0	Rel-5	Clarification of Channelization Code-Set Mapping	approved	F	5.9.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-040230	25.212	191	1	6.1.0	Rel-6	Clarification of Channelization Code-Set Mapping	approved	A	6.2.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-040247	25.214	349	2	5.8.0	Rel-5	Clarification of UE procedure in case of HHO failure	revised	F		Physical layer procedures (FDD)	TEI5	R1
RP-040257	25.214	349	3	5.8.0	Rel-5	Clarification of UE procedure in case of HHO failure	approved	F	5.9.0	Physical layer procedures (FDD)	TEI5	R1

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RP-040247	25.214	350	2	6.1.0	Rel-6	Clarification of UE procedure in case of HHO failure	revised	A		Physical layer procedures (FDD)	TEI5	R1
RP-040257	25.214	350	3	6.1.0	Rel-6	Clarification of UE procedure in case of HHO failure	approved	A	6.2.0	Physical layer procedures (FDD)	TEI5	R1
RP-040235	25.221	116	1	6.0.0	Rel-6	Addition of TSTD for S-CCPCH in 3.84Mcps TDD	approved	B	6.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	TEI6	R1
RP-040235	25.224	131	1	6.0.0	Rel-6	Addition of TSTD for S-CCPCH in 3.84Mcps TDD	approved	B	6.1.0	Physical layer procedures (TDD)	TEI6	R1
RP-040208	25.304	112	1	5.4.0	Rel-5	Correction to UE selection of reserved cells	approved	F	5.5.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040208	25.304	113	1	6.1.0	Rel-6	Correction to UE selection of reserved cells	approved	A	6.2.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040208	25.304	114	3	6.1.0	Rel-6	Selection of suitable cell	approved	A	6.2.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040208	25.304	115	-	5.4.0	Rel-5	Modification of the Sintersearch and SsearchRAT,m behaviour	approved	F	5.5.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040208	25.304	116	-	6.1.0	Rel-6	Modification of the Sintersearch and SsearchRAT,m behaviour	approved	A	6.2.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040208	25.304	117	1	5.4.0	Rel-5	Selection of suitable cell	approved	F	5.5.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI5	R2
RP-040209	25.305	102	-	5.8.0	Rel-5	Corrections to time stamp in position information report and to SRNC relocation	approved	F	5.9.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI5	R2
RP-040209	25.305	103	-	6.0.0	Rel-6	Corrections to time stamp in position information report and to SRNC relocation	approved	A	6.1.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI5	R2
RP-040216	25.305	104	-	6.0.0	Rel-6	Indication of achieved accuracy in position estimate	approved	B	6.1.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	LCS2-UEpos-enh	R2
RP-040223	25.306	096	-	6.1.0	Rel-6	Correction to memory handling in the UE	approved	F	6.2.0	UE Radio Access capabilities definition	TEI6	R2
RP-040200	25.321	191	-	3.16.0	R99	Use of U-RNTI in downlink	approved	F	3.17.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-040200	25.321	192	-	4.9.0	Rel-4	Use of U-RNTI in downlink	approved	A	4.10.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-040200	25.321	193	-	5.8.0	Rel-5	Use of U-RNTI in downlink	approved	A	5.9.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-040200	25.321	194	-	6.1.0	Rel-6	Use of U-RNTI in downlink	approved	A	6.2.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-040234	25.321	195	-	5.8.0	Rel-5	State variables arithmetic comparison	approved	F	5.9.0	Medium Access Control (MAC) protocol specification	TEI5	R2
RP-040234	25.321	196	-	6.1.0	Rel-6	State variables arithmetic comparison	approved	A	6.2.0	Medium Access Control (MAC) protocol specification	TEI5	R2
RP-040201	25.322	253	-	3.17.0	R99	DL RLC Size handling	approved	F	3.18.0	Radio Link Control (RLC) protocol specification	TEI	R2

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RP-040201	25.322	254	-	4.11.0	Rel-4	DL RLC Size handling	approved	A	4.12.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-040214	25.322	255	-	5.7.0	Rel-5	DL RLC Size handling	withdrawn	A		Radio Link Control (RLC) protocol specification	TEI	R2
RP-040214	25.322	256	-	6.0.0	Rel-6	DL RLC Size handling	withdrawn	A		Radio Link Control (RLC) protocol specification	TEI	R2
RP-040224	25.322	257	-	5.7.0	Rel-5	RLC size handling and RLC re-establishment	approved	F	5.8.0	Radio Link Control (RLC) protocol specification	TEI5	R2
RP-040224	25.322	258	-	6.0.0	Rel-6	RLC size handling and RLC re-establishment	approved	A	6.1.0	Radio Link Control (RLC) protocol specification	TEI5	R2
RP-040202	25.324	017	-	3.7.0	R99	Corrections to BMC Schedule message	approved	F	3.8.0	Broadcast/Multicast Control (BMC)	TEI	R2
RP-040202	25.324	018	-	4.3.0	Rel-4	Corrections to BMC Schedule message	approved	A	4.4.0	Broadcast/Multicast Control (BMC)	TEI	R2
RP-040202	25.324	019	-	5.3.0	Rel-5	Corrections to BMC Schedule message	approved	A	5.4.0	Broadcast/Multicast Control (BMC)	TEI	R2
RP-040202	25.324	020	-	6.0.0	Rel-6	Corrections to BMC Schedule message	approved	A	6.1.0	Broadcast/Multicast Control (BMC)	TEI	R2
RP-040203	25.331	2289	-	3.18.0	R99	Empty non-critical extensions	approved	F	3.19.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2290	-	4.13.0	Rel-4	Empty non-critical extensions	approved	A	4.14.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2291	-	5.8.0	Rel-5	Empty non-critical extensions	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2292	-	6.1.0	Rel-6	Empty non-critical extensions	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040211	25.331	2293	1	5.8.0	Rel-5	Missing "v3g0" extension in the UE CAPABILITY INFORMATION	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2294	1	6.1.0	Rel-6	Missing "v3g0" extension in the UE CAPABILITY INFORMATION	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040201	25.331	2295	-	3.18.0	R99	DL RLC Size handling	approved	F	3.19.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040201	25.331	2296	-	4.13.0	Rel-4	DL RLC Size handling	approved	A	4.14.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040214	25.331	2297	2	5.8.0	Rel-5	DL RLC Size handling	withdrawn	F		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040214	25.331	2298	2	6.1.0	Rel-6	DL RLC Size handling	withdrawn	A		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040203	25.331	2299	-	3.18.0	R99	RRC transaction identifier in the Handover from UTRAN message	approved	F	3.19.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2300	-	3.18.0	R99	Correction on System Information in TDD	approved	F	3.19.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2301	-	4.13.0	Rel-4	Correction on System Information in TDD	approved	A	4.14.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2302	-	5.8.0	Rel-5	Correction on System Information in TDD	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040203	25.331	2303	-	6.1.0	Rel-6	Correction on System Information in TDD	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040236	25.331	2304	-	5.8.0	Rel-5	Corrections to Cell Change Order from UTRAN procedure	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2305	-	6.1.0	Rel-6	Corrections to Cell Change Order from UTRAN procedure	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2

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RP-040206	25.331	2306	-	4.13.0	Rel-4	Correction on SFN-SFN time difference misalignment in 1.28 Mcps TDD	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040206	25.331	2307	-	5.8.0	Rel-5	Correction on SFN-SFN time difference misalignment in 1.28 Mcps TDD	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040206	25.331	2308	-	6.1.0	Rel-6	Correction on SFN-SFN time difference misalignment in 1.28 Mcps TDD	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040207	25.331	2309	-	4.13.0	Rel-4	ASN.1 correction leftovers	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040207	25.331	2310	-	5.8.0	Rel-5	ASN.1 correction leftovers	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2311	-	6.1.0	Rel-6	ASN.1 correction leftovers	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2312	-	5.8.0	Rel-5	Closing the REL-5 extensions in the ASN.1	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2313	-	6.1.0	Rel-6	Closing the REL-5 extensions in the ASN.1	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2315	-	5.8.0	Rel-5	Incorrect presence of UE-RadioAccessCapability extension in RRC CONNECTION SETUP COMPLETE	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2316	-	6.1.0	Rel-6	Incorrect presence of UE-RadioAccessCapability extension in RRC CONNECTION SETUP COMPLETE	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2317	-	5.8.0	Rel-5	Unnecessary MAC-d flow identity in the IE "DL-TrCH-Type-r5"	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040210	25.331	2318	-	6.1.0	Rel-6	Unnecessary MAC-d flow identity in the IE "DL-TrCH-Type-r5"	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040211	25.331	2319	1	5.8.0	Rel-5	UE capability enquiry for GERAN Iu mode	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2320	1	6.1.0	Rel-6	UE capability enquiry for GERAN Iu mode	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2321	-	4.13.0	Rel-4	Clean up of SRNS Relocation Info REL-4 version	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040207	25.331	2322	-	5.8.0	Rel-5	Clean up of SRNS Relocation Info REL-5 version	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2323	-	6.1.0	Rel-6	Clean up of SRNS Relocation Info REL-5 version	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2324	-	5.8.0	Rel-5	Tabular correction for RADIO BEARER RELEASE message	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2325	-	6.1.0	Rel-6	Tabular correction for RADIO BEARER RELEASE message	approved	F	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2326	-	5.8.0	Rel-5	Misalignments between R'99 and Rel-5 procedures	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2327	-	6.1.0	Rel-6	Misalignments between R'99 and Rel-5 procedures	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2328	-	5.8.0	Rel-5	Erroneous setting of Re-establish Indicator in case of SRNS relocation	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2

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RP-040210	25.331	2329	-	6.1.0	Rel-6	Erroneous setting of Re-establish Indicator in case of SRNS relocation	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2330	-	4.13.0	Rel-4	Correction to IE “Cell Info”	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040207	25.331	2331	-	5.8.0	Rel-5	Correction to IE “Cell Info”	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040207	25.331	2332	-	6.1.0	Rel-6	Correction to IE “Cell Info”	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040210	25.331	2333	-	5.8.0	Rel-5	Correction Concerning UE Positioning Measurement	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2334	-	6.1.0	Rel-6	Correction Concerning UE Positioning Measurement	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2335	-	5.8.0	Rel-5	Pending compressed mode reconfigurations	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2336	-	6.1.0	Rel-6	Pending compressed mode reconfigurations	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2337	-	5.8.0	Rel-5	Active compressed mode patterns with same measurement purpose	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2338	-	6.1.0	Rel-6	Active compressed mode patterns with same measurement purpose	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2339	-	5.8.0	Rel-5	Correction to Information Elements for UE Rx-Tx time difference	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2340	-	6.1.0	Rel-6	Correction to Information Elements for UE Rx-Tx time difference	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040210	25.331	2341	-	5.8.0	Rel-5	Naming correction in the HS-DSCH IE Measurement Feedback Information	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040210	25.331	2342	-	6.1.0	Rel-6	Naming correction in the HS-DSCH IE Measurement Feedback Information	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040206	25.331	2343	-	4.13.0	Rel-4	Clarification about open loop power control in 1.28Mcps TDD	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040206	25.331	2344	-	5.8.0	Rel-5	Clarification about open loop power control in 1.28Mcps TDD	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040206	25.331	2345	-	6.1.0	Rel-6	Clarification about open loop power control in 1.28Mcps TDD	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040206	25.331	2346	-	4.13.0	Rel-4	Clarification about measurement control system information in TDD mode	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040206	25.331	2347	-	5.8.0	Rel-5	Clarification about measurement control system information in TDD mode	approved	A	5.9.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040206	25.331	2348	-	6.1.0	Rel-6	Clarification about measurement control system information in TDD mode	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-040211	25.331	2349	-	5.8.0	Rel-5	Correction to timing-maintained hard handover regarding the UL transmission timing	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2350	-	6.1.0	Rel-6	Correction to timing-maintained hard handover regarding the UL transmission timing	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040207	25.331	2352	-	4.13.0	Rel-4	Incorrect presence of UE-RadioAccessCapability extension in RRC CONNECTION SETUP COMPLETE	approved	F	4.14.0	Radio Resource Control (RRC) protocol specification	TEI4	R2

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RP-040236	25.331	2353	3	5.8.0	Rel-5	Selection of suitable cell	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2354	2	6.1.0	Rel-6	Selection of suitable cell	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2355	-	5.8.0	Rel-5	Check of the PLMN identity in the MIB when selecting a new cell	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040236	25.331	2356	-	6.1.0	Rel-6	Check of the PLMN identity in the MIB when selecting a new cell	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2357	-	5.8.0	Rel-5	Compressed INTER RAT HANDOVER INFO message modifications/corrections	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040211	25.331	2358	-	6.1.0	Rel-6	Compressed INTER RAT HANDOVER INFO message modifications/corrections	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040215	25.331	2359	-	6.1.0	Rel-6	The ASN.1 definition of IE "SysInfoType5bis"	approved	F	6.2.0	Radio Resource Control (RRC) protocol specification	TEI6	R2
RP-040224	25.331	2360	-	5.8.0	Rel-5	RLC size handling and re-establishment	approved	C	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040224	25.331	2361	-	6.1.0	Rel-6	RLC size handling and re-establishment	approved	C	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040212	25.331	2362	-	5.8.0	Rel-5	Restrict operation of the virtual active set	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040212	25.331	2363	-	6.1.0	Rel-6	Restrict operation of the virtual active set	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040213	25.331	2364	-	5.8.0	Rel-5	Usage of different RB mapping info	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040213	25.331	2365	-	6.1.0	Rel-6	Usage of different RB mapping info	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040249	25.331	2366	-	5.8.0	Rel-5	Clarification on UE procedure in case of HHO failure	revised	F		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040256	25.331	2366	1	5.8.0	Rel-5	Clarification on UE procedure in case of HHO failure	approved	F	5.9.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040249	25.331	2367	-	6.1.0	Rel-6	Clarification on UE procedure in case of HHO failure	revised	A		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040256	25.331	2367	1	6.1.0	Rel-6	Clarification on UE procedure in case of HHO failure	approved	A	6.2.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-040217	25.346	001	-	6.0.0	Rel-6	Updates based on the MBMS ad-hoc, Budapest, 20-22 April 2004	approved	F	6.1.0	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	MBMS-RAN	R2
RP-040217	25.346	002	-	6.0.0	Rel-6	Updates to TS25.346 from the RAN3#42 meeting in Montreal, Canada, 10-14 May 2004	approved	F	6.1.0	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	MBMS-RAN	R2
RP-040182	25.401	084	1	6.2.0	Rel-6	Introduction of Iu and Iur support of Network Assisted Cell Change from UTRAN to GERAN	approved	B	6.3.0	UTRAN overall description	RANimp-NACC	R3
RP-040254	25.401	085	-	5.7.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.8.0	UTRAN overall description	ETRAN-iptrans	R3
RP-040254	25.401	086	-	6.2.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.3.0	UTRAN overall description	ETRAN-iptrans	R3

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RP-040182	25.410	052	1	6.0.0	Rel-6	Introduction of Iu support of Network Assisted Cell Change from UTRAN to GERAN	approved	B	6.1.0	UTRAN Iu Interface: General Aspects and Principles	RANimp-NACC	R3
RP-040254	25.410	053	-	5.3.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.4.0	UTRAN Iu Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040254	25.410	054	-	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.1.0	UTRAN Iu Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040216	25.413	658	-	6.1.0	Rel-6	Introduction of an indication of achieved accuracy in Location Report procedure over Iu interface.	approved	B	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	LCS2-UEpos-enh	R3
RP-040174	25.413	661	3	5.8.0	Rel-5	Data Volume Reporting Correction	approved	F	5.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040174	25.413	662	3	6.1.0	Rel-6	Data Volume Reporting Correction	approved	A	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040174	25.413	666	1	5.8.0	Rel-5	SNA Coding Correction	approved	F	5.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040174	25.413	667	1	6.1.0	Rel-6	SNA Coding correction	approved	A	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040182	25.413	668	2	6.1.0	Rel-6	Introduction of RIM mechanisms for NACC over the Iu interface	approved	B	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	RANimp-NACC	R3
RP-040174	25.413	671	-	5.8.0	Rel-5	Correction of Transport Layer Address and Iu Transport Association handling in RAB Assignment	approved	F	5.9.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040174	25.413	672	-	6.1.0	Rel-6	Correction of Transport Layer Address and Iu Transport Association handling in RAB Assignment	approved	A	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-040183	25.413	673	1	6.1.0	Rel-6	Management Based Activation in the UTRAN over the Iu	approved	B	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	OAM-Trace-RAN	R3
RP-040183	25.413	674	1	6.1.0	Rel-6	Enhancement of Trace handling during Relocation	approved	B	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	OAM-Trace-RAN	R3
RP-040183	25.413	675	1	6.1.0	Rel-6	Modification of CN Invoke Trace for Subscriber and Equipment Trace support over Iu	approved	B	6.2.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	OAM-Trace-RAN	R3
RP-040244	25.414	078	-	5.5.0	Rel-5	Completion of the Rel-5 IP Transport Option	withdrawn	F		UTRAN Iu interface data transport & transport signalling	ETRAN-iptrans	R3
RP-040244	25.414	079	-	6.0.0	Rel-6	Completion of the Rel-5 IP Transport Option	withdrawn	A		UTRAN Iu interface data transport & transport signalling	ETRAN-iptrans	R3
RP-040254	25.414	080	-	5.5.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.6.0	UTRAN Iu interface data transport & transport signalling	ETRAN-iptrans	R3

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RP-040254	25.414	081	-	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.1.0	UTRAN Iu interface data transport & transport signalling	ETRAN-iptrans	R3
RP-040182	25.420	040	-	6.0.0	Rel-6	Inclusion of Information Transfer as an Iur function	approved	B	6.1.0	UTRAN Iur Interface: General Aspects and Principles	RANimp-NACC	R3
RP-040183	25.420	041	1	6.0.0	Rel-6	Trace Parameter Propagation over the Iur	approved	B	6.1.0	UTRAN Iur Interface: General Aspects and Principles	OAM-Trace-RAN	R3
RP-040254	25.420	042	-	5.1.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.2.0	UTRAN Iur Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040254	25.420	043	-	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.1.0	UTRAN Iur Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040175	25.423	954	1	5.9.0	Rel-5	Correction the presence of Traffic Class IE	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-040175	25.423	955	1	6.1.0	Rel-6	Correction the presence of Traffic Class IE	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-040175	25.423	956	1	5.9.0	Rel-5	Inclusion of scrambling code information in HS-DSCH FDD Information Response IE	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040175	25.423	957	1	6.1.0	Rel-6	Inclusion of scrambling code information in HS-DSCH FDD Information Response IE	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040178	25.423	960	1	5.9.0	Rel-5	Node B usage of the MAC-hs re-ordering buffer size	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040178	25.423	961	-	6.1.0	Rel-6	Node B usage of the MAC-hs re-ordering buffer size	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040180	25.423	962	1	5.9.0	Rel-5	Unsuccessful Operation of RL Setup Procedure for HSDPA	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040180	25.423	963	1	6.1.0	Rel-6	Unsuccessful Operation of RL Setup Procedure for HSDPA	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040184	25.423	966	1	6.1.0	Rel-6	Measurement Recovery Behavior for Common and Dedicated Measurement Procedures	approved	C	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI6	R3
RP-040182	25.423	967	3	6.1.0	Rel-6	Introduction of support of NetworkAssisstedCellChange from UTRAN to GERAN	approved	B	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	RANimp-NACC	R3
RP-040179	25.423	968	-	5.9.0	Rel-5	Clarification on number of and capacity reporting of Priority Queues	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040179	25.423	969	-	6.1.0	Rel-6	Clarification on number of and capacity reporting of Priority Queues	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3

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RP-040184	25.423	972	-	6.1.0	Rel-6	Correction of HS-SICH reception quality	approved	F	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI6	R3
RP-040181	25.423	975	-	5.9.0	Rel-5	Power Balancing Corrections	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-040181	25.423	976	-	6.1.0	Rel-6	Power Balancing Corrections	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-040175	25.423	977	-	5.9.0	Rel-5	HSDPA Corrections in RL Reconfiguration	approved	F	5.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040175	25.423	978	-	6.1.0	Rel-6	HSDPA Corrections in RL Reconfiguration	approved	A	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040183	25.423	979	1	6.1.0	Rel-6	Trace Parameter Propagation over the Iur	approved	B	6.2.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	OAM-Trace-RAN	R3
RP-040254	25.426	041	-	5.4.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.5.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-iptrans	R3
RP-040254	25.426	042	-	6.1.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.2.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-iptrans	R3
RP-040173	25.430	049	-	5.2.0	Rel-5	Clarification on Node B Communication Contexts	approved	F	5.3.0	UTRAN Iub Interface: General Aspects and Principles	HSDPA-Iublur	R3
RP-040173	25.430	050	-	6.0.0	Rel-6	Clarification on Node B Communication Contexts	approved	A	6.1.0	UTRAN Iub Interface: General Aspects and Principles	HSDPA-Iublur	R3
RP-040254	25.430	051	-	5.2.0	Rel-5	Completion of the Rel-5 IP transport WI	approved	F	5.3.0	UTRAN Iub Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040254	25.430	052	-	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI	approved	A	6.1.0	UTRAN Iub Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040181	25.433	1008	-	5.8.0	Rel-5	Power Balancing Corrections	approved	F	5.9.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-040181	25.433	1009	-	6.1.0	Rel-6	Power Balancing Corrections	approved	A	6.2.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-040235	25.433	1010	-	6.1.0	Rel-6	Addition of TSTD for S-CCPCH in 3.84 Mcps TDD	approved	B	6.2.0	UTRAN Iub interface NBAP signalling	TEI6	R3
RP-040176	25.433	990	1	5.8.0	Rel-5	Correction of PHYSICAL SHARED CHANNEL RECONFIGURATION message	approved	F	5.9.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040176	25.433	991	1	6.1.0	Rel-6	Correction of PHYSICAL SHARED CHANNEL RECONFIGURATION message	approved	A	6.2.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040178	25.433	992	-	5.8.0	Rel-5	Node B usage of the MAC-hs re-ordering buffer size	approved	F	5.9.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040178	25.433	993	-	6.1.0	Rel-6	Node B usage of the MAC-hs re-ordering buffer size	approved	A	6.2.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3

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RP-040180	25.433	994	1	5.8.0	Rel-5	Unsuccessful Operation of RL Setup Procedure for HSDPA	approved	F	5.9.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-040180	25.433	995	1	6.1.0	Rel-6	Unsuccessful Operation of RL Setup Procedure for HSDPA	approved	A	6.2.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-040184	25.433	997	1	6.1.0	Rel-6	Measurement Recovery Behavior for Common and Dedicated Measurement Procedures	approved	C	6.2.0	UTRAN Iub interface NBAP signalling	TEI6	R3
RP-040179	25.433	998	-	5.8.0	Rel-5	Clarification on number of and capacity reporting of Priority Queues	approved	F	5.9.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-040179	25.433	999	-	6.1.0	Rel-6	Clarification on number of and capacity reporting of Priority Queues	approved	A	6.2.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-040184	25.453	072	1	6.4.0	Rel-6	Correction to usage of INITIAL UE POSITION	approved	F	6.5.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI6	R3
RP-040204	25.921	061	-	3.10.0	R99	Empty non-critical extensions	approved	F	3.11.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040204	25.921	062	-	4.7.0	Rel-4	Empty non-critical extensions	approved	A	4.8.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040204	25.921	063	-	5.4.0	Rel-5	Empty non-critical extensions	approved	A	5.5.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040227	25.942	015	-	5.2.0	Rel-5	Rational on test parameters for UE adjacent channel selectivity	approved	F	5.3.0	Radio Frequency (RF) system scenarios	TEI5	R4
RP-040227	25.942	016	-	6.2.0	Rel-6	Rational on test parameters for UE adjacent channel selectivity	approved	A	6.3.0	Radio Frequency (RF) system scenarios	TEI5	R4
RP-040198	25.942	017	-	6.2.0	Rel-6	Minimum Coupling Loss for co-siting of different BS classes	approved	F	6.3.0	Radio Frequency (RF) system scenarios	RInImp-BSClass-FDD	R4
RP-040205	25.993	026	-	6.5.0	Rel-6	Corrections on required capabilities for 32kbps UE class and addition of the 12kbps class	approved	F	6.6.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-040205	25.993	027	-	6.5.0	Rel-6	Addition of RAB Parameters For RABs Removed From TS34.108 But Retained In TS25.993	approved	F	6.6.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
SP-040355	26.234	068	1	5.6.0	Rel-6	Addition of Release 6 functionality	withdrawn	B		Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage 3	S4
SP-040434	26.234	068	1	5.6.0	Rel-6	Addition of Release 6 functionality	approved	B	6.0.0	Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage 3	S4

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SP-040355	26.234	069	-	5.6.0	Rel-6	Addition of PSS audio codecs	withdrawn	B		Transparent end-to-end streaming service; Protocols and codecs	PSSrel6-Stage 3	S4
SP-040356	26.235	006	4	6.0.0	rel-6	Introduction of the DSR Codec	approved	B	6.1.0	Packet switched conversational multimedia applications; Default codecs	SRSES-Codec	S4
SP-040356	26.236	010	3	5.4.0	Rel-6	Introduction of the DSR Codec	approved	B	6.0.0	Packet switched conversational multimedia applications; Transport protocols	SRSES-Codec	S4
SP-040357	26.236	011	1	5.4.0	Rel-5	RTCP usage for IMS	approved	F	5.5.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC	S4
SP-040357	26.236	012	-	5.4.0	Rel-6	RTCP usage for IMS	approved	A	6.0.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC	S4
NP-040239	27.001	105	1	3.14.0	R99	Addition of network initiated in-call modification	approved	F	3.15.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
NP-040239	27.001	106	1	4.11.0	Rel-4	Addition of network initiated in-call modification	approved	A	4.12.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
NP-040239	27.001	107	1	5.7.0	Rel-5	Addition of network initiated in-call modification	approved	A	5.8.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
TP-040092	27.007	116	-	6.4.0	Rel-6	Updating error codes description to support UICC	revised	C		AT command set for 3G User Equipment (UE)	TEI6	T2
TP-040134	27.007	116	1	6.4.0	Rel-6	Updating error codes description to support UICC	approved	C	6.5.0	AT command set for 3G User Equipment (UE)	TEI6	T2
NP-040247	27.060	089	2	5.6.0	Rel-6	Multiple IMS sessions using the same PDP context	approved	B	6.0.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	TEI	N3
NP-040213	29.002	712	1	3.19.0	R99	Introduction of North American Interim Location Based Routing of Emergency Call	approved	F	3.20.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040213	29.002	713	1	4.14.0	Rel-4	Introduction of North American Interim Location Based Routing of Emergency Call	approved	A	4.15.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040213	29.002	714	1	5.9.0	Rel-5	Introduction of North American Interim Location Based Routing of Emergency Call	approved	A	5.10.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040227	29.002	718	5	6.5.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	approved	B	6.6.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-040213	29.002	731	-	6.5.0	Rel-6	Introduction of North American Interim Location Based Routing of Emergency Call	approved	F	6.6.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040278	29.002	733	2	6.5.0	Rel-6	Retrieval of Current Location during MT call handling	withdrawn	B		Mobile Application Part (MAP) specification	EDCAMEL	N4
NP-040222	29.002	733	2	6.5.0	Rel-6	Active Location Retrieval for MT call handling	withdrawn	B		Mobile Application Part (MAP) specification	TEI6	N4
NP-040284	29.002	733	2	6.5.0	Rel-6	Retrieval of Current Location during MT call handling	rejected	B		Mobile Application Part (MAP) specification	TEI6	N4
RP-040253	29.002	733	2	6.5.0	Rel-6	Retrieval of Current Location during MT call handling	approved	B	6.6.0	Mobile Application Part (MAP) specification	EDCAMEL	N4
NP-040225	29.002	734	2	6.5.0	Rel-6	Add Additional V-GMLC parameter in MAP-SRI-INFO-FOR-LCS	approved	F	6.6.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040229	29.002	735	-	6.5.0	Rel-6	Modify IMEI parameter usage definition in MAP-PSL and MAP-SLR	approved	F	6.6.0	Mobile Application Part (MAP) specification	TEI6	N4

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NP-040225	29.002	736	-	6.5.0	Rel-6	Addition of SAI-Present indication to the LCS procedures	approved	F	6.6.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040229	29.002	737	-	6.5.0	Rel-6	Clarification on the use of MSISDN parameter for Follow Me functionality	approved	F	6.6.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-040239	29.007	097	1	3.14.0	R99	Addition of network initiated in-call modification	approved	F	3.15.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-040239	29.007	098	1	4.10.0	Rel-4	Addition of network initiated in-call modification	approved	A	4.11.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-040239	29.007	099	1	5.9.0	Rel-5	Addition of network initiated in-call modification	approved	A	5.10.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-040226	29.010	106	3	6.2.0	Rel-6	Removing of non-existing error indications from Location update mappings	approved	F	6.3.0	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)	TEI6	N4
NP-040226	29.010	107	-	6.2.0	Rel-6	Addition of cause code mapping for BSSAP Clear Request and RANAP Iu Release Request	approved	F	6.3.0	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)	TEI6	N4
NP-040203	29.018	041	2	5.5.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	approved	B	6.0.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI6	N1
NP-040230	29.060	478	4	6.4.0	Rel-6	Provision of S-CDR information to the GGSN	approved	C	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	CH	N4
NP-040221	29.060	486	2	6.4.0	Rel-6	Support of Inter-SGSN RA update for MBMS	withdrawn	B		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040277	29.060	486	2	6.4.0	Rel-6	Support of Inter-SGSN RA update for MBMS	approved	B	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040227	29.060	488	2	6.4.0	Rel-6	Automatic Device Detection (ADD) support in ISRAU	approved	F	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-040218	29.060	492	-	5.9.0	Rel-5	Change the attribution of Radio Priority LCS from TV to TLV	approved	F	5.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GTP enhancement	N4

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NP-040218	29.060	493	-	6.4.0	Rel-6	Change the attribution of Radio Priority LCS from TV to TLV	approved	A	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GTP enhancement	N4
NP-040277	29.060	495	1	6.4.0	Rel-6	Addition of BM-SC initiated De-registration	approved	B	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040221	29.060	495	1	6.4.0	Rel-6	Addition of BM-SC initiated De-registration	withdrawn	B		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040221	29.060	496	1	6.4.0	Rel-6	Addition of TMGI	withdrawn	B		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040277	29.060	496	1	6.4.0	Rel-6	Addition of TMGI	approved	B	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040277	29.060	497	-	6.4.0	Rel-6	Another Cause for MBMS Notification Reject Request	approved	B	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040221	29.060	497	-	6.4.0	Rel-6	Another Cause for MBMS Notification Reject Request	withdrawn	B		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040228	29.060	498	1	6.4.0	Rel-6	Clarification of the Target Identification IE	approved	F	6.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-040246	29.061	109	3	6.0.0	Rel-6	RADIUS Enhancements on the Gi interface to enable QoS correlation	rejected	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-040279	29.061	109	5	6.0.0	Rel-6	RADIUS Enhancements on the Gi interface to enable QoS correlation	rejected	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI6	N3
NP-040244	29.061	111	2	6.0.0	Rel-6	Gmb Commands and AVPs (II)	noted	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	MBMS	N3
NP-040244	29.061	112	2	6.0.0	Rel-6	Gmb Message Flows.	noted	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	MBMS	N3
NP-040244	29.061	113	1	6.0.0	Rel-6	Command to indicate Session Start/Stop	noted	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	MBMS	N3
NP-040244	29.061	114	1	6.0.0	Rel-6	Gmb Introduction	noted	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	MBMS	N3

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NP-040238	29.061	116	-	4.9.0	Rel-4	QoS profile length	approved	F	4.10.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-040238	29.061	117	-	5.8.0	Rel-5	QoS profile length	approved	A	5.9.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-040238	29.061	118	-	6.0.0	Rel-6	QoS profile length	approved	A	6.1.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-040207	29.078	365	-	5.7.0	Rel-5	Correction to ERB pre-condition for gsmSSF FSM state	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040249	29.078	366	1	6.1.0	Rel-6	Enhancement to Connect To Resource	approved	B	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
NP-040209	29.078	366	1	6.1.0	Rel-6	Enhancement to Connect To Resource	withdrawn	B		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
NP-040209	29.078	367	1	6.1.0	Rel-6	Adding missing ROS Object Identifier	withdrawn	B		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
NP-040249	29.078	367	1	6.1.0	Rel-6	Adding missing ROS Object Identifier	approved	B	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
NP-040207	29.078	368	-	5.7.0	Rel-5	Correction to Tssf timer	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040207	29.078	369	1	5.7.0	Rel-5	Mapping between ICA and IAM	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040207	29.078	370	1	6.1.0	Rel-6	Mapping between ICA and IAM	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040207	29.078	371	-	6.1.0	Rel-6	Correction to Tssf timer	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2

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NP-040207	29.078	372	-	6.1.0	Rel-6	Correction to ERB pre-condition for gsmSSF FSM state	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-040207	29.078	373	2	5.7.0	Rel-5	Correction to Move Leg pre-condition	approved	F	5.8.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-040207	29.078	374	-	6.1.0	Rel-6	Correction to Move Leg pre-condition	approved	A	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-040249	29.078	375	-	6.1.0	Rel-6	Correction to First Digit Timer for Prompt&Collect	approved	F	6.2.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
NP-040209	29.078	375	-	6.1.0	Rel-6	Correction to First Digit Timer for Prompt&Collect	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI6	N2
RP-040177	29.108	014	-	5.3.0	Rel-5	PUESBINE support over E-interface	approved	F	5.4.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	RANimp-FSEarlyUE	R3
RP-040177	29.108	015	-	6.0.0	Rel-6	PUESBINE support over E-interface	approved	A	6.1.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	RANimp-FSEarlyUE	R3
NP-040241	29.163	037	1	6.2.0	Rel-6	Message sequence correction	approved	F	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040241	29.163	038	1	6.2.0	Rel-6	Originated/terminated correction	approved	F	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040242	29.163	039	2	6.2.0	Rel-6	Interworking with Nb user plane procedures	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040242	29.163	040	1	6.2.0	Rel-6	Codec Negotiation between BICC CS networks and the IM CN subsystem	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040242	29.163	041	1	6.2.0	Rel-6	Codec negotiation incoming call interworking	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040242	29.163	042	2	6.2.0	Rel-6	Codec negotiation Mid call interworking	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040242	29.163	043	1	6.2.0	Rel-6	Codec parameter translation – IM CN subsystem to BICN	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3

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NP-040242	29.163	044	2	6.2.0	Rel-6	MGCF IM-MGW interactions	approved	B	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040241	29.163	045	-	6.2.0	Rel-6	Notify IMS RTP Tel Event (same as 'Report DTMF') message sequence shows IEs that are not used with this procedure	approved	F	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040241	29.163	046	-	6.2.0	Rel-6	Correction of sub-clause 7.2.3.2.5.1 Backward call indicators	approved	F	6.3.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040260	29.198-01	029	-	5.5.0	Rel-5	Correct Java Rulebook to support API design pattern introduced by PAM SCS	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040263	29.198-01	030	-	6.0.1	Rel-6	Correct Java Rulebook to introduce UI service naming rule	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA3	N5
NP-040260	29.198-01	031	-	6.0.1	Rel-6	Correct Java Rulebook to support API design pattern introduced by PAM SCS	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040260	29.198-01	032	-	5.5.0	Rel-5	Correct Java Rulebook to conform to Java accepted standards	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040260	29.198-01	033	-	6.0.1	Rel-6	Correct Java Rulebook to conform to Java accepted standards	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040262	29.198-01	034	1	5.5.0	Rel-5	Correct Java Rulebook	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040262	29.198-01	035	1	6.0.1	Rel-6	Correct Java Rulebook	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-040264	29.198-02	044	-	6.0.1	Rel-6	Remove P_FIXED, TpFixed	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA3	N5
NP-040262	29.198-02	045	-	5.6.0	Rel-5	Correct Java Rulebook	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA2	N5
NP-040261	29.198-03	102	-	5.6.0	Rel-5	Add ability to identify when a client app/service contract/service profile is being used - Align between ETSI/Parlay and 3GPP	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	103	-	6.0.1	Rel-6	Add ability to identify when a client app/service contract/service profile is being used - Align between ETSI/Parlay and 3GPP	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040265	29.198-03	104	-	6.0.1	Rel-6	Add events to allow an entop to identify when a client app/service contract/service profile is being used	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-040253	29.198-03	105	-	5.6.0	Rel-5	Correct alignment between ETSI/Parlay version of OSA and the 3GPP OSA, by clarifying erroneous field in TpServiceProfileDescription	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040253	29.198-03	106	-	6.0.1	Rel-6	Correct alignment between ETSI/Parlay version of OSA and the 3GPP OSA, by clarifying erroneous field in TpServiceProfileDescription	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5

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NP-040261	29.198-03	107	-	5.6.0	Rel-5	Introduce a ServiceID field to TpServiceProfileDescription	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	108	-	6.0.1	Rel-6	Introduce a ServiceID field to TpServiceProfileDescription	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040253	29.198-03	109	-	4.8.0	Rel-4	Correct alignment between ETSI/Parlay version of OSA and the 3GPP OSA, by clarifying erroneous field in TpServiceProfileDescription	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040254	29.198-03	110	-	4.8.0	Rel-4	Correct the service property type used for address ranges	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040254	29.198-03	111	-	5.6.0	Rel-5	Correct the service property type used for address ranges	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040254	29.198-03	112	-	6.0.1	Rel-6	Correct the service property type used for address ranges	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040273	29.198-03	113	-	6.0.1	Rel-6	Remove the <<Interface>> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-040261	29.198-03	114	-	5.6.0	Rel-5	Correct description of availStatusReason codes	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	115	-	6.0.1	Rel-6	Correct description of availStatusReason codes	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	116	-	5.6.0	Rel-5	Correct description for the use of selectSigningAlgorithm	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	117	-	6.0.1	Rel-6	Correct description for the use of selectSigningAlgorithm	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	118	-	5.6.0	Rel-5	Correct the description of the usage of CHAP within authentication	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	119	-	6.0.1	Rel-6	Correct the description of the usage of CHAP within authentication	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	120	-	5.6.0	Rel-5	Correct TpSignatureAndServiceMgr to align with description in signServiceAgreement	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040261	29.198-03	121	-	6.0.1	Rel-6	Correct TpSignatureAndServiceMgr to align with description in signServiceAgreement	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-040253	29.198-03	122	-	4.8.0	Rel-4	Correction of Digital Signature with NO signing algorithm	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA1	N5
NP-040255	29.198-04	067	-	4.8.0	Rel-4	Correction of continueProcessing method for Generic Call Control Service (GCCS)	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	OSA1	N5

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NP-040256	29.198-04	068	-	4.8.0	Rel-4	Correct the P_TRIGGERING_ADDRESSES service property	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	OSA1	N5
NP-040257	29.198-04	069	-	4.8.0	Rel-4	Correction of callbacks sequence and timing conditions in GCCS and MPCCS	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	OSA1	N5
NP-040266	29.198-04-1	010	-	6.1.0	Rel-6	Add missing Supervise Report value to support QoS parameter change reports	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	OSA3	N5
NP-040262	29.198-04-1	011	-	5.5.0	Rel-5	Correct Java Rulebook	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	OSA2	N5
NP-040255	29.198-04-2	012	-	5.6.0	Rel-5	Correction of continueProcessing method for Generic Call Control Service (GCCS)	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040255	29.198-04-2	013	-	6.0.1	Rel-6	Correction of continueProcessing method for Generic Call Control Service (GCCS)	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040256	29.198-04-2	014	-	5.6.0	Rel-5	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040256	29.198-04-2	015	-	6.0.1	Rel-6	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040257	29.198-04-2	016	-	5.6.0	Rel-5	Correction of callbacks sequence and timing conditions in GCCS	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040257	29.198-04-2	017	-	6.0.1	Rel-6	Correction of callbacks sequence and timing conditions in GCCS	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-040267	29.198-04-3	021	-	6.1.0	Rel-6	Correction of description in superviseRes - Align with Rel-5	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA3	N5
NP-040256	29.198-04-3	022	-	5.6.0	Rel-5	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA1	N5
NP-040256	29.198-04-3	023	-	6.1.0	Rel-6	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA1	N5

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NP-040273	29.198-04-3	024	-	6.1.0	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA3	N5
NP-040257	29.198-04-3	025	-	5.6.0	Rel-5	Correction of callbacks sequence and timing conditions in MPCCS	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA1	N5
NP-040257	29.198-04-3	026	-	6.1.0	Rel-6	Correction of callbacks sequence and timing conditions in MPCCS	approved	A	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA1	N5
NP-040268	29.198-04-4	016	-	6.1.0	Rel-6	Correction of description in superviseVolumeRes - Align with Rel-5	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA3	N5
NP-040268	29.198-04-4	017	-	6.1.0	Rel-6	Correction of method references in MMCC - Align with Rel-5	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA3	N5
NP-040262	29.198-04-4	018	-	5.6.0	Rel-5	Correct Java Rulebook	approved	F	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA2	N5
NP-040269	29.198-05	046	-	6.0.1	Rel-6	Correct List vs Set semantics in User Interaction	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA3	N5
NP-040256	29.198-05	047	-	4.8.0	Rel-4	Correct the P_TRIGGERING_ADDRESSES service property	approved	F	4.9.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA1	N5
NP-040256	29.198-05	048	-	5.6.0	Rel-5	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	5.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA1	N5
NP-040256	29.198-05	049	-	6.0.1	Rel-6	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA1	N5
NP-040273	29.198-05	050	-	6.0.1	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA3	N5
NP-040270	29.198-06	026	-	6.1.0	Rel-6	Correct alignment between ETSI/Parlay OSA and the 3GPP OSA by adding user binding data types	approved	F	6.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	OSA3	N5
NP-040262	29.198-06	027	-	5.4.0	Rel-5	Correct Java Rulebook	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	OSA2	N5
NP-040273	29.198-07	017	-	6.0.1	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	OSA3	N5
NP-040262	29.198-07	018	-	5.5.0	Rel-5	Correct Java Rulebook	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	OSA2	N5

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NP-040262	29.198-07	019	-	6.0.1	Rel-6	Correct Java Rulebook	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	OSA2	N5
NP-040256	29.198-08	029	-	4.7.0	Rel-4	Correct the P_TRIGGERING_ADDRESSES service property	approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA1	N5
NP-040256	29.198-08	030	-	5.5.0	Rel-5	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA1	N5
NP-040256	29.198-08	031	-	6.0.1	Rel-6	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA1	N5
NP-040273	29.198-08	032	-	6.0.1	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA3	N5
NP-040271	29.198-11	024	-	6.0.1	Rel-6	Account Management missing needed features	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA3	N5
NP-040256	29.198-11	025	-	4.4.0	Rel-4	Correct the P_TRIGGERING_ADDRESSES service property	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA1	N5
NP-040256	29.198-11	026	-	5.4.0	Rel-5	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA1	N5
NP-040256	29.198-11	027	-	6.0.1	Rel-6	Correct the P_TRIGGERING_ADDRESSES service property	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA1	N5
NP-040273	29.198-11	028	-	6.0.1	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA3	N5
NP-040273	29.198-12	027	-	6.0.1	Rel-6	Remove the <> stereotype from methods which are no longer new	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA3	N5
NP-040262	29.198-12	028	-	5.5.0	Rel-5	Correct Java Rulebook	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA2	N5
NP-040262	29.198-12	029	-	6.0.1	Rel-6	Correct Java Rulebook	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA2	N5
NP-040262	29.198-13	009	-	5.4.0	Rel-5	Correct Java Rulebook	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	OSA2	N5
NP-040272	29.198-14	020	-	6.0.1	Rel-6	Correction of introduction of PAM Provisioning Interfaces	approved	F	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA3	N5
NP-040262	29.198-14	021	-	5.5.0	Rel-5	Correct Java Rulebook	approved	F	5.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA2	N5

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NP-040240	29.207	126	2	5.7.0	Rel-5	DRQ Sub-code	approved	F	5.8.0	Policy control over Go interface	E2EQoS	N3
NP-040247	29.207	129	-	5.7.0	Rel-6	Multiple IMS sessions using the same PDP context	approved	B	6.0.0	Policy control over Go interface	TEI	N3
NP-040240	29.207	130	2	5.7.0	Rel-5	PDP context modification without binding information	approved	F	5.8.0	Policy control over Go interface	E2EQoS	N3
NP-040247	29.208	069	-	5.7.0	Rel-6	Multiple IMS sessions using the same PDP context	approved	B	6.0.0	End to end Quality of Service (QoS) signalling flows	TEI	N3
NP-040240	29.208	070	3	5.7.0	Rel-5	Media component removal flow	approved	F	5.8.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-040215	29.228	094	1	5.7.0	Rel-5	Content of the user profile	approved	F	5.8.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.228	095	1	6.2.0	Rel-6	Content of the user profile	approved	A	6.3.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.228	096	1	5.7.0	Rel-5	Update of the charging addresses from HSS	approved	F	5.8.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.228	097	1	6.2.0	Rel-6	Update of the charging addresses from HSS	approved	A	6.3.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.228	098	-	5.7.0	Rel-5	Correction of SessionCase attribute ambiguity	approved	F	5.8.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.228	099	-	6.2.0	Rel-6	Correction of SessionCase attribute ambiguity	approved	A	6.3.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040215	29.229	036	1	5.6.0	Rel-5	Update of the charging addresses from HSS	approved	F	5.7.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040215	29.229	037	1	6.0.0	Rel-6	Update of the charging addresses from HSS	approved	A	6.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040215	29.229	042	-	5.6.0	Rel-5	Multimedia-Auth-Request (MAR) Command Message Format Corrections	approved	F	5.7.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040215	29.229	043	-	6.0.0	Rel-6	Multimedia-Auth-Request (MAR) Command Message Format Corrections	approved	A	6.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040215	29.229	049	2	5.6.0	Rel-5	Use of the Vendor ID AVP by 3GPP in the Diameter Base Protocol	approved	F	5.7.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040215	29.229	050	2	6.0.0	Rel-6	Use of the Vendor ID AVP by 3GPP in the Diameter Base Protocol	approved	A	6.1.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-040220	29.328	085	2	6.1.0	Rel-6	Mapping to Diameter AVP for Requested Identity Set	approved	F	6.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS2-CCR	N4
NP-040216	29.329	034	1	5.5.0	Rel-5	Correction of reference for definition of MSISDN	approved	F	5.6.0	Sh interface based on the Diameter protocol	IMS-CCR	N4
NP-040216	29.329	035	1	6.0.0	Rel-6	Correction of reference for definition of MSISDN	approved	A	6.1.0	Sh interface based on the Diameter protocol	IMS-CCR	N4
NP-040216	29.329	036	-	5.5.0	Rel-5	Correction to description of Data Reference AVP value 10	approved	F	5.6.0	Sh interface based on the Diameter protocol	IMS-CCR	N4
NP-040216	29.329	037	-	6.0.0	Rel-6	Correction to description of Data Reference AVP value 10	approved	A	6.1.0	Sh interface based on the Diameter protocol	IMS-CCR	N4

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TP-040101	31.102	222	-	4.12.0	Rel-4	Correction of coding example for MMS Issuer/User Connectivity Parameters	approved	F	4.13.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	223	-	5.8.0	Rel-5	Correction of coding example for MMS Issuer/User Connectivity Parameters	approved	A	5.9.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	224	-	6.5.0	Rel-6	Correction of coding example for MMS Issuer/User Connectivity Parameters	approved	A	6.6.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	225	-	3.16.0	R99	Clarification on Emergency Call Numbers.Alignment with TS22.101	approved	F	3.17.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	226	-	6.5.0	Rel-6	VGCS security	approved	B	6.6.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	227	-	3.16.0	R99	Correction of presence indication for NIA, VGCS/VBS files	approved	F	3.17.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	228	-	4.12.0	Rel-4	Correction of presence indication for NIA, VGCS/VBS files	approved	A	4.13.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	229	-	5.8.0	Rel-5	Correction of presence indication for NIA, VGCS/VBS files	approved	A	5.9.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	230	-	6.5.0	Rel-6	Correction of presence indication for NIA, VGCS/VBS files	approved	A	6.6.0	Characteristics of the USIM application	TEI	T3
TP-040101	31.102	231	-	6.5.0	Rel-6	Addition of WLAN files	approved	B	6.6.0	Characteristics of the USIM application	WLAN	T3
TP-040101	31.102	232	-	6.5.0	Rel-6	Correction of Phonebook example	approved	A	6.6.0	Characteristics of the USIM application	TEI	T3
TP-040102	31.103	015	-	6.3.0	Rel-6	Clarification that the P-CSCF address shall not be used by a 3GPP terminal accessing a Interworking WLAN	approved	F	6.4.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	TEI	T3
TP-040103	31.111	107	-	6.1.0	Rel-6	Suppression of redundant description of Icon Identifier	approved	F	6.2.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040103	31.111	108	-	6.1.0	Rel-6	Alignement with new features in SCP TS 102 223	approved	B	6.2.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040103	31.111	109	-	6.1.0	Rel-6	Correction of the value of UTRAN packet service in the bearer description	approved	F	6.2.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040104	31.121	030	-	3.8.0	R99	Removal of EF_RPLMNACT and related tests	approved	F	3.9.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-040104	31.121	031	-	4.7.0	Rel-4	Removal of EF_RPLMNACT and related tests	approved	A	4.8.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-040104	31.121	032	-	3.8.0	R99	Security related tests	approved	F	3.9.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-040104	31.121	033	-	4.7.0	Rel-4	Security related tests	approved	F	4.8.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
SP-040239	32.101	024	-	5.5.0	Rel-6	Subscription Management Corrections - Align with S5's 32.140/1	approved	F	6.0.0	Telecommunication management; Principles and high level requirements	OAM-AR	S5
SP-040239	32.101	025	-	5.5.0	Rel-6	Align with S5 SWGC WT01 Security terminology and architecture	approved	F	6.0.0	Telecommunication management; Principles and high level requirements	OAM-AR	S5
SP-040240	32.102	036	-	6.2.0	Rel-6	Update of new entities for 3GPP system and WLAN interworking - Align with SA2's 24.244	approved	F	6.3.0	Telecommunication management; Architecture	OAM-AR	S5
SP-040265	32.104	013	-	3.7.0	R99	Correction in requirement for granularity periods	approved	F	3.8.0	Telecommunication management; 3G Performance Management	OAM-PM	S5

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SP-040241	32.111-2	030	-	4.6.0	Rel-4	Incorrect alarm interface class diagram	approved	F	4.7.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	OAM-FM	S5
SP-040242	32.152	001	-	6.0.0	Rel-6	UML Repertoire Updates (Associations)	approved	C	6.1.0	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	OAM-NIM	S5
SP-040275	32.200	028	-	5.6.0	Rel-5	Add missing charging principles for CAMEL CPH – Align with CN2's 24.078	approved	F	5.7.0	Telecommunication management; Charging management; Charging principles	OAM-CH	S5
SP-040275	32.205	026	-	5.6.0	Rel-5	Add Charging Data Description for CAMEL CPH - Align with CN2's 24.078	approved	F	5.7.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-040276	32.215	033	-	4.7.0	Rel-4	Correction of QoS information definition	approved	F	4.8.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-040277	32.215	034	-	4.7.0	Rel-4	Correction to the selection and use of charging characteristics and profiles	approved	F	4.8.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-040277	32.215	035	-	5.5.0	Rel-5	Correction to the selection and use of charging characteristics and profiles	approved	A	5.6.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-040278	32.225	026	-	5.5.0	Rel-5	Correction of reference to security specification	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040278	32.225	027	-	5.5.0	Rel-5	Correction on CauseForRecordClosing	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040278	32.225	028	-	5.5.0	Rel-5	Correction of Diameter credit control protocol reference - Align with RFC 3588	approved	F	5.6.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040243	32.322	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	OAM-NIM	S5
SP-040243	32.323	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040243	32.324	001	-	5.0.1	Rel-5	Add missing parameter to the operation initiateTests	approved	F	5.1.0	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5

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SP-040247	32.362	002	-	6.1.0	Rel-6	Correct and clarify semantics of notification parameters and notification table	approved	F	6.2.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	OAM-NIM	S5
SP-040248	32.363	001	-	6.0.0	Rel-6	Clarification of return value of getIRPReference and Correction of Distinguished Name (DN) and IDL errors	approved	F	6.1.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040265	32.401	013	-	4.3.0	Rel-4	Correction in requirement for granularity periods	approved	A	4.4.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-040265	32.401	014	-	5.2.0	Rel-5	Correction in requirement for granularity periods	approved	A	5.3.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-040265	32.401	015	-	6.1.0	Rel-6	Correction in requirement for granularity periods	approved	A	6.2.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-040266	32.403	030	-	4.6.0	Rel-4	Correction of “Inter-RAT handover” measurements	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040266	32.403	031	-	5.6.0	Rel-5	Correction of “Inter-RAT handover” measurements	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040266	32.403	032	-	6.3.0	Rel-6	Correction of “Inter-RAT handover” measurements	approved	A	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040267	32.403	033	-	4.6.0	Rel-4	Correction of “RAB assignment” measurements	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040267	32.403	034	-	5.6.0	Rel-5	Correction of “RAB assignment” measurements	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040267	32.403	035	-	6.3.0	Rel-6	Correction of “RAB assignment” measurements	approved	B	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040269	32.403	036	-	4.6.0	Rel-4	Correction of “hard handover” measurement definitions	approved	F	4.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040269	32.403	037	-	5.6.0	Rel-5	Correction of “hard handover” measurement definitions	approved	A	5.7.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5

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SP-040269	32.403	038	-	6.3.0	Rel-6	Correction of “hard handover” measurement definitions	approved	A	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040270	32.403	039	-	6.3.0	Rel-6	Addition of the measurements about RAB modification and RAB release by CN	approved	B	6.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040271	32.411	003	-	6.2.0	Rel-6	Clarify threshold alarm trigger condition – Align with 32.401 and ITU-T Q.822	approved	F	6.3.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM	S5
SP-040272	32.412	001	-	6.0.0	Rel-6	Clarify and correct the specification of notifications of Monitor	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	OAM-PM	S5
SP-040272	32.412	002	-	6.0.0	Rel-6	Add constraint that PM threshold hysteresis must be positive	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	OAM PM	S5
SP-040273	32.413	001	-	6.0.0	Rel-6	Correction and enhancement of data type definitions in IDL files	approved	F	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-PM	S5
SP-040259	32.615	014	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.615	015	-	4.4.0	Rel-4	Correction of the annex related to XML schema electronic files publication	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM	S5
SP-040258	32.615	016	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	A	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM	S5
SP-040254	32.615	017	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040249	32.622	015	-	5.3.0	Rel-5	Add missing attribute constraints for dnPrefix	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5

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SP-040249	32.622	016	-	6.1.0	Rel-6	Add missing attribute constraints for dnPrefix	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-040251	32.622	017	-	5.3.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-040251	32.622	018	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-040251	32.623	010	-	5.2.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040251	32.623	011	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040252	32.624	014	-	5.3.0	Rel-5	Add missing mappings for the attributes of the managementScope association – Align with the IS 32.622	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040253	32.624	015	-	5.3.0	Rel-6	Add the attribute SetOfMcc to the MOC SubNetwork -Align with IS 32.622	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040250	32.624	016	-	4.5.0	Rel-4	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	approved	F	4.6.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-CM	S5
SP-040250	32.624	017	-	5.3.0	Rel-5	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	approved	A	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-CM	S5

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SP-040251	32.624	018	-	5.3.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040259	32.625	006	-	5.2.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040259	32.625	007	-	6.1.0	Rel-6	Removal of XML schema URI dependencies	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.625	008	-	5.2.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.625	009	-	6.1.0	Rel-6	Correction of the annex related to XML schema electronic files publication	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040251	32.625	010	-	5.2.0	Rel-5	Correction of legal values for managedElementType attribute	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040251	32.625	011	-	6.1.0	Rel-6	Correction of legal values for managedElementType attribute	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040259	32.635	004	-	5.2.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.635	005	-	5.2.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040254	32.642	020	-	5.3.0	Rel-5	Correction of the supported UMTS frequencies	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5

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SP-040254	32.642	021	-	6.0.0	Rel-6	Correction of the supported UMTS frequencies	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-040254	32.643	008	-	5.2.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040254	32.643	009	-	6.0.0	Rel-6	The specification does not support all UMTS frequency bands	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040255	32.644	012	-	5.4.0	Rel-5	Correction of type of the attributes cId, localCellId and rncId	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040254	32.644	013	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040259	32.645	008	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.645	009	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040254	32.645	010	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040256	32.645	011	-	5.4.0	Rel-6	Add XML definitions for support of TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5

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SP-040257	32.654	009	-	5.3.0	Rel-5	Correction of the type of the plmnPermittd attribute	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040259	32.655	007	-	5.4.0	Rel-5	Removal of XML schema URI dependencies	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040258	32.655	008	-	5.4.0	Rel-5	Correction of the annex related to XML schema electronic files publication	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040254	32.655	009	-	5.4.0	Rel-5	The specification does not support all UMTS frequency bands	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040260	32.661	003	-	6.0.0	Rel-6	Add State Management Support to Kernel CM IRP Requirements	approved	B	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	OAM-NIM	S5
SP-040260	32.662	006	-	6.2.0	Rel-6	Add State Management Support to Kernel CM IRP IS	approved	B	6.3.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM	S5
SP-040261	32.663	003	-	5.1.0	Rel-5	Add Missing CorrelatedNotificationSetType definition	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040261	32.663	004	-	6.0.0	Rel-6	Add Missing CorrelatedNotificationSetType definition	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040370	33.102	184	-	5.3.0	Rel-5	Handling of key sets at inter-system change	approved	F	5.4.0	3G security; Security architecture	SEC1-NDS	S3
SP-040370	33.102	185	-	6.0.0	Rel-6	Handling of key sets at inter-system change	approved	A	6.1.0	3G security; Security architecture	SEC1-NDS	S3
SP-040369	33.102	186	-	6.0.0	Rel-6	Clarification on Authentication re-attempt parameter	approved	F	6.1.0	3G security; Security architecture	SEC1	S3
SP-040371	33.105	021	-	4.1.0	Rel-4	Correction of inconsistencies in AK computation for re-synchronisation	approved	F	4.2.0	Cryptographic algorithm requirements	SEC1	S3
SP-040396	33.106	007	-	6.0.0	Rel-6	Clarification on delivery of IRI and CC	approved	F	6.1.0	Lawful interception requirements	SEC1-LI	S3
SP-040397	33.107	036	-	6.1.0	Rel-6	Correction on Network initiated Mobile Station Detach signalling flow	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040398	33.107	037	-	6.1.0	Rel-6	TEL-URL missing in activation of LI in the CSCFs	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3

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SP-040399	33.107	038	-	6.1.0	Rel-6	Correction on the use of session initiator parameter	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040400	33.107	039	-	6.1.0	Rel-6	Correction to HLR interception event name	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040401	33.107	040	-	6.1.0	Rel-6	Clarification for Push to talk over Cellular	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040402	33.107	041	-	6.1.0	Rel-6	Adding an encryption parameter to IRI across X2 interface	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040403	33.107	042	-	6.1.0	Rel-6	References	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040404	33.107	043	-	6.1.0	Rel-6	Enhancements for the Functional Architecture chapter	approved	F	6.2.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-040405	33.108	045	-	6.5.0	Rel-6	Correction on interception identities in multi-media domain	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040406	33.108	046	-	5.7.0	Rel-5	WGS 84 coordinates length correction	approved	F	5.8.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040406	33.108	047	-	6.5.0	Rel-6	WGS 84 coordinates length correction	approved	A	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040407	33.108	048	-	6.5.0	Rel-6	CR offering alignment to ETSI TS 101 671	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040408	33.108	049	-	6.5.0	Rel-6	Additional text for Definition and Acronym section	approved	F	6.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040372	33.203	066	-	6.2.0	Rel-6	Correction on IMS confidentiality protection	approved	F	6.3.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-040373	33.203	067	-	6.2.0	Rel-6	SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network	approved	B	6.3.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-040374	33.210	016	-	6.4.0	Rel-6	Diffie-Hellman groups in NDS/IP	approved	F	6.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3
SP-040375	33.220	001	-	6.0.0	Rel-6	Removal of Annex A	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040376	33.220	002	-	6.0.0	Rel-6	NAF remove the security associations	approved	F	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040377	33.220	003	-	6.0.0	Rel-6	Removal of editors notes on Transaction Identifiers	revised	D		Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040447	33.220	003	1	6.0.0	Rel-6	Removal of editors notes on Transaction Identifiers	approved	F	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040378	33.220	004	-	6.0.0	Rel-6	Introduction of a UICC-based Generic Bootstrapping Architecture	revised	B		Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040448	33.220	004	1	6.0.0	Rel-6	Introduction of a UICC-based Generic Bootstrapping Architecture	approved	B	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040379	33.220	005	-	6.0.0	Rel-6	Editorial corrections to TS 33.220	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040380	33.220	006	-	6.0.0	Rel-6	Support for NAF in visited network	approved	B	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040381	33.220	007	-	6.0.0	Rel-6	Editorial changes and clarifications to TS 33.220	approved	D	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040382	33.220	008	-	6.0.0	Rel-6	Multiple key derivation mandatory	approved	C	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3

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SP-040383	33.220	009	-	6.0.0	Rel-6	NAF's public hostname verification	approved	C	6.1.0	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	SEC1-SC	S3
SP-040384	33.234	001	-	6.0.0	Rel-6	Profiling of IKEv2 and ESP for NAT traversal	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040385	33.234	002	-	6.0.0	Rel-6	Sending of temporary identities from WLAN UE	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040386	33.234	003	-	6.0.0	Rel-6	Extension of IKEv2 and IPsec profiles	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040387	33.234	004	-	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	revised	F		3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040462	33.234	004	1	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	withdrawn	F		3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040463	33.234	004	1	6.0.0	Rel-6	Support of EAP SIM and AKA in AAA server and WLAN UE	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040388	33.234	005	-	6.0.0	Rel-6	Introduction of UE split alternative 2 in TS 33.234	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040389	33.234	006	-	6.0.0	Rel-6	Re-authentication failure notification to HSS	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040390	33.234	007	-	6.0.0	Rel-6	Identity request procedure clarification	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040391	33.234	008	-	6.0.0	Rel-6	WLAN mechanism to allow restrictions on simultaneous sessions	approved	C	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040392	33.234	009	-	6.0.0	Rel-6	Requirement on keeping WLAN access keys independent from 2G/3G access keys stored in USIM	approved	F	6.1.0	3G security; Wireless Local Area Network (WLAN) interworking security	WLAN	S3
SP-040393	33.310	001	-	6.0.0	Rel-6	Removal of inconsistencies regarding SEG actions during IKE phase 1	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF	S3
SP-040394	33.310	002	-	6.0.0	Rel-6	Removal of unnecessary restriction on CA path length	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF	S3
SP-040395	33.310	003	-	6.0.0	Rel-6	Correction of 'Extended key usage' extension in SEG Certificate profile	approved	F	6.1.0	Network domain security; Authentication framework (NDS/AF)	SEC1-NDS-AF	S3
TP-040112	34.108	306	-	3.15.0	R99	CR to TS 34.108 R99, Correction to IEs "START" and "ul_CounterSynchronisationInfo".	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	307	-	4.10.0	Rel-4	CR to TS 34.108 Rel4, Correction to IEs "START" and "ul_CounterSynchronisationInfo".	approved	F	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	308	-	5.0.0	Rel-5	CR to TS 34.108 Rel5, Correction to IEs "START" and "ul_CounterSynchronisationInfo".	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	309	-	5.0.0	Rel-5	Correction to HSDPA reference radio bearer configurations	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	310	-	5.0.0	Rel-5	Addition of test procedure for HSDPA RF testing	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	311	-	4.10.0	Rel-4	Physical channel parameters for AM RLC 7 bit Length Indicator TestCases (Rel-4)	approved	F	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	312	-	4.10.0	Rel-4	Corrections to the default contents of Security Mode Command (Rel-4)	approved	F	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	313	-	3.15.0	R99	Corrections to the default contents of Security Mode Command (R99)	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1

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TP-040112	34.108	314	-	3.15.0	R99	Physical channel parameters for AM RLC 7 bit Length Indicator TestCases (R99)	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	315	-	5.0.0	Rel-5	CR to 34.108 Rel-5, Corrections to default RRC messages	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	316	-	3.15.0	R99	CR to 34.108 R99: Change of default LAC/RAC for inter-RAT test cases	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	317	-	4.10.0	Rel-4	CR to 34.108 Rel-4: Change of default LAC/RAC for inter-RAT test cases	approved	A	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	318	-	5.0.0	Rel-5	CR to 34.108 Rel-5: Change of default LAC/RAC for inter-RAT test cases	approved	A	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	319	-	5.0.0	Rel-5	CR to 34.108 Rel-5: Contents of Physical Channel Reconfiguration message modified to incorporate transition to URA_PCH or CELL_PCH	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	320	-	5.0.0	Rel-5	Correction of reference test frequencies for UMTS800(band VI)	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	321	-	4.10.0	Rel-4	Correction of reference test frequencies for UMTS800(band VI)	approved	A	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	322	-	3.15.0	R99	Correction of reference test frequencies for UMTS800(band VI)	approved	A	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	323	-	3.15.0	R99	Update of generic setup procedures in sections 7.3.4 and 7.3.5.	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	324	-	4.10.0	Rel-4	Update of generic setup procedures in sections 7.3.4 and 7.3.5.	approved	A	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	325	-	5.0.0	Rel-5	Update of generic setup procedures in sections 7.3.4 and 7.3.5.	approved	A	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	326	-	5.0.0	Rel-5	Physical channel parameters for AM RLC 7 bit Length Indicator TestCases (Rel-5)	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	327	-	5.0.0	Rel-5	Corrections to the default contents of Security Mode Command (Rel-5)	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	328	-	3.15.0	R99	CR to 34.108 R99: Contents of Physical Channel Reconfiguration message modified to incorporate transition to URA_PCH or CELL_PCH	approved	F	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	329	-	4.10.0	Rel-4	CR to 34.108 Rel-4: Contents of Physical Channel Reconfiguration message modified to incorporate transition to URA_PCH or CELL_PCH	approved	F	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	330	-	5.0.0	Rel-5	Corrections to Contents of Scheduling Block 1 (FDD)	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	331	-	5.0.0	Rel-5	Corrections to Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	332	-	5.0.0	Rel-5	Corrections to Contents of RRC CONNECTION SETUP message: UM	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	333	-	5.0.0	Rel-5	RADIO BEARER SETUP message (FDD) for Test Loop Mode2.	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	334	-	4.10.0	Rel-4	Corrections to LCR TDD RABs	approved	F	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	335	-	5.0.0	Rel-5	Changes to establish one version of 34.108 covering all releases	approved	A	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	336	-	3.15.0	R99	Replacement of the technical content of 34.108 Rel 99 by a pointer to the gathered releases document	approved	D	3.16.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1

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TP-040112	34.108	337	-	4.10.0	Rel-4	Replacement of the technical content of 34.108 Rel 4 by a pointer to the gathered releases document	approved	D	4.11.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	338	-	5.0.0	Rel-5	Addition of generic test procedure for AS test cases using the test loop	approved	A	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040112	34.108	339	-	5.0.0	Rel-5	Corrections to LCR TDD RABs	approved	F	5.1.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040113	34.121	355	-	5.3.1	Rel-5	Introduction of Test Tolerances to Event triggered reporting in AWGN propagation conditions, test 8.6.1.1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	356	-	5.3.1	Rel-5	Corrections to CPICH RSCP test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	357	-	5.3.1	Rel-5	Corrections to CPICH Ec/Io test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	358	-	5.3.1	Rel-5	Correction to 8.4.1.1 RRC cnnection control test 1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	359	-	5.3.1	Rel-5	Correction to MEASUREMENT CONTROL and MEASUREMENT REPORT messages	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	360	-	5.3.1	Rel-5	Addition of unit for OCNS_Ec/Ior in RRM tests	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	361	-	5.3.1	Rel-5	Correction to default messages in Annex I of 34.121	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	362	-	5.3.1	Rel-5	Update of F1.5	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	363	-	5.3.1	Rel-5	Correction of Spurious Emissions for UMTS800(band VI)	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	364	-	5.3.1	Rel-5	Removal of [] for UE transmit power test case 8.7.3C	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	365	-	5.3.1	Rel-5	Correction to 8.7.6 UE Rx-Tx time difference	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	366	-	5.3.1	Rel-5	Inter system handover	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	367	-	5.3.1	Rel-5	Correction to BTFD test case 7.10	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	368	-	5.3.1	Rel-5	Addition of details for RRM test case for GSM carrier RSSI	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	369	-	5.3.1	Rel-5	Correction of FDD intra frequency measurements , wrong IEs	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	370	-	5.3.1	Rel-5	Correction of FDD inter frequency measurements, wrong IEs	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	371	-	5.3.1	Rel-5	Correction to Transmit Off Power	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	372	-	5.3.1	Rel-5	Corrections to UTRA Carrier RSSI test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	373	-	5.3.1	Rel-5	Corrections to FDD/FDD Soft Handover test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	374	-	5.3.1	Rel-5	Correction to the pathloss indicator in measurement control messages	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	375	-	5.3.1	Rel-5	Corrections to SFN-CFN observed time difference test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1

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TP-040113	34.121	376	-	5.3.1	Rel-5	Corrections to SFN-SFN type 1 measurement test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	377	-	5.3.1	Rel-5	Correction to URA identity for reselection in Cell URA_PCH	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	378	-	5.3.1	Rel-5	Proposed addition of downlink code allocation table to 34.121 Annex	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	379	-	5.3.1	Rel-5	Correction of channel number for UMTS800(band VI)	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	380	-	5.3.1	Rel-5	Correction to the pathloss indicator in measurement control messages	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	381	-	5.3.1	Rel-5	HSDPA test 9.3.1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	382	-	5.3.1	Rel-5	HSDPA test 9.3.2	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	383	-	5.3.1	Rel-5	New test case for 9.2.2 Open Loop Diversity Performance	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	384	-	5.3.1	Rel-5	New test case for 9.2.3 Closed Loop Diversity Performance	withdrawn	F		Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	385	-	5.3.1	Rel-5	Statistical approach for HSDPA tests	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	386	-	5.3.1	Rel-5	Correction to GSM neighbour reporting in 8.6.4.1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	387	-	5.3.1	Rel-5	Correction to measurement report in 8.3.2	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	388	-	5.3.1	Rel-5	Corrections to UE Rx-Tx time difference type 1 test cases	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	389	-	5.3.1	Rel-5	Addition of MEASUREMENT CONTROL message and ACTIVESET UPDATE meesage in 8.5.1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	390	-	5.3.1	Rel-5	HSDPA test: 9.2.1	withdrawn	F		Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	391	-	5.3.1	Rel-5	HSDPA test: 9.2.1	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	392	-	5.3.1	Rel-5	New test case for 9.4 HS-SCCH Detection Performance	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	393	-	5.3.1	Rel-5	New TPC combining in SHO	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	394	-	5.3.1	Rel-5	New test case for 9.2.3 Closed Loop Diversity Performance	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	395	-	5.3.1	Rel-5	Addition of CELL_UPDATE CONFIRM Message and URA_UPDATE CONFIRM Message.	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040113	34.121	395	-	5.3.1	Rel-5	Correction to 7.11 (Demodulation of paging channel (PCH))	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040120	34.121	395	-	5.3.1	Rel-5	Correction to 7.11 (Demodulation of paging channel (PCH))	approved	F	5.4.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	-	T1
TP-040115	34.123-1	753	-	5.7.1	Rel-5	CR to TS 34.123-1 R5, Correction to low priority RRC TCs 8.1.8.3 and 8.2.1.13.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	754	-	5.7.1	Rel-5	CR to TS 34.123-1 R5, Correction to low priority RRC TCs TC 8.1.6.4, 8.1.9a and 8.1.9b.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	755	-	5.7.1	Rel-5	Correction to HSDPA MAC-hs test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	756	-	5.7.1	Rel-5	New HSDPA MAC-hs reset test case	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	757	-	5.7.1	Rel-5	Addition of new SRNS relocation (radio link failure) test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	758	-	5.7.1	Rel-5	Correction to HSDPA radio bearer test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	759	-	5.7.1	Rel-5	Correction to low priority GMM TC 12.4.1.5	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	760	-	5.7.1	Rel-5	Correction to P4 GMM TCs 12.2.1.5d and 12.4.1.4d	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	761	-	5.7.1	Rel-5	Correction to package 1 MAC testcase 7.1.2.3.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	762	-	5.7.1	Rel-5	Correction to package 2 MM testcase 9.4.2.1 to align with TTCN implementation.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	763	-	5.7.1	Rel-5	Correction to package 2 MM testcase 9.4.4	approved	D	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	764	-	5.7.1	Rel-5	'Emergency call establishment' as one of the CM Service Type in 10.1.2.1.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	765	-	5.7.1	Rel-5	Correction to package 1 test case 8.1.2.9 for BCCH Modification Time in Paging Type 1 message	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	766	-	5.7.1	Rel-5	Correction for RRC Transaction Identifier in test cases 8.1.5.1 and 8.1.5.4	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	767	-	5.7.1	Rel-5	Editorial corrections for 8.3.1.1	approved	D	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	768	-	5.7.1	Rel-5	Corrections to prose for test cases 8.1.1.4, 8.1.1.5 and 8.1.1.6	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	769	-	5.7.1	Rel-5	Editorial correction for 14.2.11, 14.2.39.2	approved	D	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	770	-	5.7.1	Rel-5	Future compatibility of RRC critical extension testing	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	771	-	5.7.1	Rel-5	Editorial correction for 8.3.1.31	approved	D	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	772	-	5.7.1	Rel-5	Corrections in Specific Message Contents for clause 8.3.1.5.4 and 8.3.1.6.4	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	773	-	5.7.1	Rel-5	Addition of test case for Interactive or background / UL:64 DL:768 kbps / 10 ms TTI	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	774	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, Correction to package 4 RRC test case 8.2.2.35	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	775	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, Correction to package 4 RRC test case 8.2.3.29	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	776	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, Correction to package 2 RRC test case 8.3.1.22	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	777	-	5.7.1	Rel-5	Correction to package 1 RRC test case 8.2.4.1a	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	778	-	5.7.1	Rel-5	Correction to initial conditions of Idle Mode test case 6.2.1.6	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	779	-	5.7.1	Rel-5	Changes to test procedure of Cell Reselection Case 8.3.9.3	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	780	-	5.7.1	Rel-5	Corrections to SRNS relocation PDCP test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	781	-	5.7.1	Rel-5	Correction to number of reported cells in RRC P2 test case 8.4.1.7	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	782	-	5.7.1	Rel-5	Correction to Low Priority RRC Cell Change Order Test Cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	783	-	5.7.1	Rel-5	Removal of 8.2.1.26 (P4)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	784	-	5.7.1	Rel-5	Correction to P4 RRC Cell Change Order Test Cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	785	-	5.7.1	Rel-5	Correction to P3 HCS test case 8.3.2.13	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	786	-	5.7.1	Rel-5	Correction to P2 RRC test case 8.2.4.4	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	787	-	5.7.1	Rel-5	Corrections to P4 RRC UTRAN to GERAN Cell Reselection test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	788	-	5.7.1	Rel-5	Correction to Low Priority RRC Cell Reselection test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	789	-	5.7.1	Rel-5	Corrections to P2 RRC test case 8.3.2.4	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	790	-	5.7.1	Rel-5	Corrections to P2 RRC test case 8.3.2.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	791	-	5.7.1	Rel-5	Correction to P2 test case 8.4.1.18	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	792	-	5.7.1	Rel-5	Correction to P3 Inter Rat Measurement test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	793	-	5.7.1	Rel-5	Errors correction in section 8.4.1.7A for TDD of TS34.123-1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	794	-	5.7.1	Rel-5	Errors correction in section 8.4.1.29 of TS34.123-1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	795	-	5.7.1	Rel-5	To add the description of "Primary CCPCH info" (for TDD) in 8.1.6.3.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	796	-	5.7.1	Rel-5	To add the description of "Primary CCPCH info" (for TDD) in 8.2.6.8.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	797	-	5.7.1	Rel-5	Errors correction in section 8.3.1.4.4of TS34.123-1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	798	-	5.7.1	Rel-5	Errors correction in section 8.4.1.2a of TS34.123-1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	799	-	5.7.1	Rel-5	Corrections to test case 8.2.1.27 (Low priority)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	800	-	5.7.1	Rel-5	General corrections to section 6 of 34.123-1 (idle mode)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	801	-	5.7.1	Rel-5	Corrections in Security Mode Command for 8.1.7.1 and 8.1.7.2 test cases.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	802	-	5.7.1	Rel-5	CR to TS 34.123-1 R5, Correction to P1 RRC TC 8.4.1.1.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	803	-	5.7.1	Rel-5	Add HCR TDD content of Inter-frequency measurement for event 2A	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	804	-	5.7.1	Rel-5	Add HCR TDD content of Inter-frequency measurement for event 2B and 2E	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	805	-	5.7.1	Rel-5	Add HCR TDD content for UE internal measurement, event 6c	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	806	-	5.7.1	Rel-5	Add HCR TDD content for UE internal measurement, event 6d	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	807	-	5.7.1	Rel-5	Add HCR TDD content for UE internal measurement, event 6e	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	808	-	5.7.1	Rel-5	Adding of new test cases for events 1G for HCR TDD	approved	B	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	809	-	5.7.1	Rel-5	Tests for HCR TDD RAB combinations	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	810	-	5.7.1	Rel-5	Correction to Conformance Requirement for P3 CC NAS TCs regarding support for “Prolonged Clearing Procedure”.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	811	-	5.7.1	Rel-5	Corrections to specific message contents of test case 8.1.2.9 to support CS Domain.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	812	-	5.7.1	Rel-5	Correction to RRC Package 2 TC 8.4.1.17 on Measurement Reporting Interval.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	813	-	5.7.1	Rel-5	Correction to 8.3.4.2 test case at Step 6 for Measurement Report Message	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	814	-	5.7.1	Rel-5	Correction for RRC Transaction Identifier in test cases 8.1.6.1 and 8.1.6.2	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	815	-	5.7.1	Rel-5	Correction to New C-RNTI value at Step5 in 8.3.1.11 testcase.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	816	-	5.7.1	Rel-5	Correction to prose for test case 7.1.1.1	approved	D	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	817	-	5.7.1	Rel-5	Editorial correction to 8.2.3.22 (Low Priority)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	818	-	5.7.1	Rel-5	CR 34.123-1 Rel-5: Corrections to MM test cases to emergency call support and authentication procedures.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	819	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5: Correction to package 3 RRC test case 8.4.1.26	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	820	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5: Correction to package 3 RRC test case 8.2.4.1a	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	821	-	5.7.1	Rel-5	Correction of Test Requirement in Package 2 test case 9.3.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	822	-	5.7.1	Rel-5	Corrections to TC 8.3.1.30 (Low Priority)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	823	-	5.7.1	Rel-5	Changes to test procedure of Idle Mode Cell Reselection test case 6.2.2.3 (Revision of T1-040587)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	824	-	5.7.1	Rel-5	Re-instatement of Test Requirements to meet the Test Purpose in 7.2.3.24 and 7.2.3.27 (Merged with T1-040550 and revised from T1-040918)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	825	-	5.7.1	Rel-5	System Information Block type 1 modification for FACH to DCH:T312 set to 2 seconds in connected mode	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	826	-	5.7.1	Rel-5	Corrections to Table 8.3.7-1 in relation to Package 2 test cases 8.3.7.x (Editorial Revision of T1-040669)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	827	-	5.7.1	Rel-5	Revisions to Package 3 measurement test cases 8.4.1.31 and 8.4.1.40 (Revision of T1-040665)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	828	-	5.7.1	Rel-5	Correction of test case description for test case 8.1.6.4	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	829	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, Correction to package 4 RRC test cases 8.2.3.11, 8.2.6.11 and 8.2.6.12	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	830	-	5.7.1	Rel-5	Correction to low priority radio bearer test cases (minimum set of TFCS)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	831	-	5.7.1	Rel-5	CR 34.123-1 Rel-5: Corrections to MM test cases to include GMM procedures	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	832	-	5.7.1	Rel-5	Correction to package 3 GMM test case 12.4.2.5a	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	833	-	5.7.1	Rel-5	Modification for GMM test cases (P4 and low priority test cases)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	834	-	5.7.1	Rel-5	CR 34.123-1 Rel-5: Correction to package 2 MM test case 9.4.8	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	835	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, New A-GPS test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	836	-	5.7.1	Rel-5	Correction to package 2 MM testcase 9.1 to align with TTCN implementation.(Revision of T1-040551)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	837	-	5.7.1	Rel-5	CR 34.123-1 Rel-5: Correction to package 2 MAC test case 7.1.3.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	838	-	5.7.1	Rel-5	Correction to Package 1 SM TC 11.3.1 RAB release location	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	839	-	5.7.1	Rel-5	Correction to Package 1 SM TC 11.3.2 RAB release location	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	840	-	5.7.1	Rel-5	Corrections to Package 2 test case 9.4.2.4 Procedure 2	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	841	-	5.7.1	Rel-5	Correction to P4 GMM Test Case 12.4.1.1b	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	842	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, Corrections to HSDPA RRC test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	843	-	5.7.1	Rel-5	Correction to Package III SMS Test Case 16.2.1 (Revision of T1-040548)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	844	-	5.7.1	Rel-5	CR 34.123-1 Rel-5: Correction to package 3 SMS test case 16.1.1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	845	-	5.7.1	Rel-5	Corrections to P2 PLMN and RAT selection test cases in Multi-mode environment (2G/3G case)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	846	-	5.7.1	Rel-5	CR to 34.123-1 Rel-5, New HSDPA RRC test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	847	-	5.7.1	Rel-5	Corrections to Seamless SRNS relocation RRC test cases (Revision to T1-040712)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	848	-	5.7.1	Rel-5	New SRNS relocation test cases (Revision of T1-040714)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	849	-	5.7.1	Rel-5	Add HCR TDD content of Inter-frequency measurement for event 2D and 2F	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	850	-	5.7.1	Rel-5	Change to Test Requirement of Cell Reselection Case: 8.3.9.1(Revision of T1-040588)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	851	-	5.7.1	Rel-5	Correction to low priority TC 11.1.2	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	852	-	5.7.1	Rel-5	Addition of 6 new Inter-RAT test cases.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	853	-	5.7.1	Rel-5	Correction to low priority TC 8.3.11.3	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	854	-	5.7.1	Rel-5	CR to 34.123-1 Rel 5: Correction to package 2 RRC test case 8.4.1.2	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040115	34.123-1	855	-	5.7.1	Rel-5	Correction to several GMM TCs to include equivalent PLMN IE	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040120	34.123-1	856	-	5.7.1	Rel-5	Correction to Package 2 test case 9.4.2.3	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040115	34.123-1	856	-	5.7.1	Rel-5	Correction to Package 2 test case 9.4.2.3	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040116	34.123-2	148	-	5.7.0	Rel-5	New applicability statements	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	149	-	5.7.0	Rel-5	CR 34.123-2 Rel-5: Applicability of Package 2 RRC test cases 8.3.1.22	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	150	-	5.7.0	Rel-5	Correction on applicability definition of test cases in clause 8.3.7 and clause 8.4.1 of TS 34.123-1	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	151	-	5.7.0	Rel-5	CR to 34.123-2 Rel-5, New HSDPA RRC test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	152	-	5.7.0	Rel-5	Change to the applicability table for 8.3.7.2 / 8.3.7.2a and 8.3.7.3 / 8.3.7.3a following splitting of these TCs according to supported data rates.	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	153	-	5.7.0	Rel-5	New PIXIT statement	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	154	-	5.7.0	Rel-5	Update applicability table for new SRNS relocation test cases (Revision to T1-040737)	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	155	-	5.7.0	Rel-5	CR to 34.123-2 Rel-5, New A-GPS test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	156	-	5.7.0	Rel-5	CR 34.123-2 Rel-5: Applicability of Package 2 RRC test cases 8.2.6.12	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	157	-	5.7.0	Rel-5	Applicability update for test case 11.1.2	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	158	-	5.7.0	Rel-5	New HSDPA MAC-hs reset test case	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040116	34.123-2	160	-	5.7.0	Rel-5	Addition of 6 new Inter-RAT test cases	approved	F	5.8.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040117	34.123-3	233	-	3.5.2	R99	Clarification of Section 8.5.1 Authentication: Explicitly stating that Authentication after IDT is an optional/dependent procedure.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040117	34.123-3	234	-	3.5.2	R99	GERAN generic procedures and TTCN encoding rules for CSN.1 specific encoding	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	255	-	3.5.2	R99	Addition of MAC test case 7.1.3.1 to MAC ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	256	-	3.5.2	R99	Addition of RAB test case 14.2.49.1 to RAB ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-040118	34.123-3	257	-	3.5.2	R99	Addition of GCF P1 test case 8.4.1.2 to RRC ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	258	-	3.5.2	R99	Revised CR for P3 NAS test case 13.2.2.1 to NAS ATS V3.5.1 (revision of T1-040239	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	259	-	3.5.2	R99	Revised CR for P3 NAS test case 13.2.2.2 to NAS ATS V3.5.1 (revision of T1-040241)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	260	-	3.5.2	R99	Addition of GCF P3 test case 8.4.1.31 to RRC ATS v3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	261	-	3.5.2	R99	Revised CR for addition of GCF P2 test case 12.4.2.2 to NAS ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	262	-	3.5.2	R99	Addition of RRC test case 8.3.2.11 to RRC ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	263	-	3.5.2	R99	Addition of RRC test case 8.4.1.30 to RRC ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	264	-	3.5.2	R99	Addition of RRC test case 8.4.1.29 to RRC ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	265	-	3.5.2	R99	Addition of RAB test case 14.2.7a to RAB ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	266	-	3.5.2	R99	Addition of RAB test case 14.2.5a to RAB ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	267	-	3.5.2	R99	Addition of RAB test case 14.2.4a to RAB ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	268	-	3.5.2	R99	Addition of GCF P1 test case 12.4.1.1a to NAS ATS V3.5.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	269	-	3.5.2	R99	Test Case 13.2.1.1	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	270	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.6.6 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	271	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.7.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	272	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.5.5 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	273	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.6.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-040118	34.123-3	274	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.4.10 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	275	-	3.5.2	R99	Addition of GCF P3 test case 10.1.2.3.3 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	276	-	3.5.2	R99	Addition of NAS test case 8.3.1.2 to RRC ATS V3.4.0 (revision of T1-031735)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	277	-	3.5.2	R99	Addition of NAS test case 8.3.1.5 to RRC ATS V3.4.0 (revision of T1-031807)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	278	-	3.5.2	R99	Addition of NAS test case 8.3.1.6 to RRC ATS V3.4.0 (revision of T1-031809)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	279	-	3.5.2	R99	Addition of GCF P3 test case 14.2.12 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	280	-	3.5.2	R99	Addition of NAS test case 10.1.3.3.1 to NAS ATS V3.4.0 (Revision of T1s040170)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	281	-	3.5.2	R99	Addition of RRC test case 8.1.10.1 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	282	-	3.5.2	R99	Addition of GCF P2 test case 8.4.1.18 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	283	-	3.5.2	R99	Addition of GCF P2 test case 8.4.1.19 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	284	-	3.5.2	R99	Addition of NAS test case 10.1.3.5.6 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	285	-	3.5.2	R99	Addition of NAS test case 10.1.2.2.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	286	-	3.5.2	R99	Addition of RRC test case 8.4.1.26 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	287	-	3.5.2	R99	Addition of GCF P1 test case 8.4.1.3 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	288	-	3.5.2	R99	Addition of RRC test case 8.3.7.3 to RRC ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	289	-	3.5.2	R99	Introducing package 2 test case 8.3.1.10 to RRCv340 (revision of T1-031739)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	290	-	3.5.2	R99	Introducing package 2 test case 8.3.1.9 to RRCv340 (revision of T1-031737)	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-040118	34.123-3	291	-	3.5.2	R99	Addition of NAS test case 10.1.2.1.1 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	292	-	3.5.2	R99	Addition of NAS test case 10.1.3.3.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	293	-	3.5.2	R99	Addition of NAS test case 10.1.3.3.4 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	294	-	3.5.2	R99	Addition of NAS test case 10.1.2.7.3 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	295	-	3.5.2	R99	Addition of NAS test case 10.1.2.5.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	296	-	3.5.2	R99	Addition of RAB test case 14.2.23a.1 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	297	-	3.5.2	R99	Addition of RAB test case 14.2.23b to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	298	-	3.5.2	R99	Addition of RAB test case 14.2.23c to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	299	-	3.5.2	R99	Addition of RAB test case 14.2.14.1 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	300	-	3.5.2	R99	Addition of RAB test case 14.2.14.2 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	301	-	3.5.2	R99	Addition of RAB test case 14.2.15 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	302	-	3.5.2	R99	Addition of RAB test case 14.2.16 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	303	-	3.5.2	R99	Addition of RAB test case 14.2.17 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	304	-	3.5.2	R99	Addition of RAB test case 14.2.13.2 to RAB ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	305	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.9 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	306	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.4 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	307	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.6 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-040118	34.123-3	308	-	3.5.2	R99	Addition of NAS test case 10.1.2.6.3 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	309	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.7 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	310	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.8 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	311	-	3.5.2	R99	Addition of NAS test case 10.1.2.9.1 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	312	-	3.5.2	R99	Addition of NAS test case 10.1.2.3.1 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	313	-	3.5.2	R99	Addition of NAS test case 10.1.2.4.3 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	314	-	3.5.2	R99	Addition of NAS test case 9.4.2.3 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	315	-	3.5.2	R99	Addition of NAS test case 9.4.8 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040118	34.123-3	316	-	3.5.2	R99	Addition of NAS test case 12.6.1.2 to NAS ATS V3.4.0	approved	B	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	317	-	3.5.2	R99	Quality of Service (QoS) initialisation when setting up a PS call	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	318	-	3.5.2	R99	Correction to RRC Package 2 TC 8.3.1.4 to stop the timer t_WaitS after receiving expected UTRAN MOBILITY INFORMATION CONFIRM message from UE.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	319	-	3.5.2	R99	Corrections to RRC package 1 and 2 test cases from sections 8.1.x, 8.2.x and 8.3.x to add a delay before SS reconfigures MAC according to the new C-RNTI or U-RNTI assigned to UE.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	320	-	3.5.2	R99	Correction to RRC TC 8.3.1.3 on the contents of CELL UPDATE CONFIRM message	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	321	-	3.5.2	R99	Correction to RRC Package 1 TC 8.1.1.2 and 8.1.1.3 to add delay before switching to CELL_PCH or URA_PCH	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	322	-	3.5.2	R99	Correction to Package 2 GMM test case 12.2.1.3 for supporting USIM removal without power off	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	323	-	3.5.2	R99	Correction to Package 3 NAS CC test cases 10_1_2_5_5, 10_1_2_6_2 and 10_1_2_7_2 to validate the current TI value.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-040119	34.123-3	324	-	3.5.2	R99	Correction to Package 3 NAS CC test cases 10.1.2.6.6, introducing PIXIT parameter for UE Call waiting support.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	325	-	3.5.2	R99	Correction to Package 1 SM test case 11.1.1.1 in handling Modify PDP Context procedure.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	326	-	3.5.2	R99	Correction to Radio Bearer setup message for Package 1 RAB test case 14.2.13.1 and package 2 RAB test case 14.2.15.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	327	-	3.5.2	R99	Correction to Package 3 RAB test case 14.2.14.1 Radio Bearer setup in the SS.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	328	-	3.5.2	R99	Correction to RRC TC 8.2.2.18 and 8.2.2.17 on contents of radio bearer reconfiguration message and comments in test steps of TC 8.2.2.18.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	329	-	3.5.2	R99	Correction to RRC Package 2 TC 8.3.1.3 to delete the Radio Bearer BCCH mapped to FACH(RB_BCCH_FACH) in the old cell before configuring in the new cell.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	330	-	3.5.2	R99	Correction to Package 3 NAS MM test case 9.4.2.2.2 to disable cell C ATT flag	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	331	-	3.5.2	R99	Correction to Package 2 NAS MM test case 9.4.9, introducing postamble to remove PLMN2 from USIM forbidden PLMN list.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	332	-	3.5.2	R99	Modification to RLC 7.2.3.33 TTCN to meet Test Procedure ‘f’ in Prose 34.123-1-571.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	333	-	3.5.2	R99	Correction to Package 3 NAS CC test case 10.1.2.7.3 for assigning FAIL verdict on receiving unexpected RELEASE message.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	334	-	3.5.2	R99	Correction to RRC TC 8.2.2.10 on contents of radio bearer reconfiguration message.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	335	-	3.5.2	R99	Correction to RRC Package 2 TC 8.4.1.16 and 8.4.1.17 for contents of SIB 11 and Measurement reporting Interval.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	336	-	3.5.2	R99	Correction to common test step “ts_SS_2_FACH_1_RACH_ModifyDCH_Cfg” of RRC ATS to release unused RLC entity, related to test cases 8.4.1.18 and 8.4.1.19	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	337	-	3.5.2	R99	Correction to Package 1 SM TC 11.1.1.1, 11.3.1 and 11.3.2 to harmonize the timer handling and to account for T1-040514, T1s040243 and T1s040244 concerning RAB release and detaching.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	338	-	3.5.2	R99	Correction to Approved Package 1 TC 11.1.1.1	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-040119	34.123-3	339	-	3.5.2	R99	Correction to package 2 TC 9.1 to handle PS attach and detach.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	340	-	3.5.2	R99	Correction to Approved RRC Package 1 TC 8.4.1.1	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	341	-	3.5.2	R99	Changes to the test step ts_CC_InitTCV_MO	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	342	-	3.5.2	R99	Correction to Package 1 GMM test case 12.3.1.2 for P-TMSI signature check at Step 12.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	343	-	3.5.2	R99	Regression error corrections to wk12 and wk15.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	344	-	3.5.2	R99	Correction to Package 2 MM TC 9.4.9 to handle situation when pc_PS is TRUE also.	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	345	-	3.5.2	R99	Correction to GFC P1 RAB test case 14.2.4	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	346	-	3.5.2	R99	Correction to GFC P3 RAB test cases 14.2.26 and 14.2.27	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	347	-	3.5.2	R99	Correction to Approved RRC Package 1 TC 8.3.4.2 and 8.3.4.3	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	348	-	3.5.2	R99	Correction to Approved RRC Package 1 TC 8.3.4.1	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	349	-	3.5.2	R99	Correction to RRC Package 2 TC 8.2.2.7 for radio bearer messages with specified IEs and correction of default PS RAB and SRBs RLC configurations in RRC ATS. (Revision of T1s040165).	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	350	-	3.5.2	R99	Correction to NAS Package 1 TC 12.5 for selecting UE operation mode C only when mode A not supported and validating RRC connection establishment cause	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	351	-	3.5.2	R99	Correction to RRC Package 1 TC 8.1.2.1 modification to UE system specific capabilities (Revision of T1s040078).	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	352	-	3.5.2	R99	Error correction lists to iWD-wk04 and iWD-wk07	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	353	-	3.5.2	R99	TTCN corrections to Generic Setup Procedures	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	354	-	3.5.2	R99	General correction to approved GCF P1 (Cell FACH) MAC test cases	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-040119	34.123-3	355	-	3.5.2	R99	Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9 for the mismatch between Radio Bearer setup and PDP context Activation Request message (Revision of T1s040071).	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	356	-	3.5.2	R99	Modification to ATT flag usage in TC 12.3.1.5. (Re-submission of T1-031923 on v3.4.0)	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	357	-	3.5.2	R99	Corrections to RRC Package 1 TC 8.1.2.9 to modify timers and RRC Setup Request Constraints	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040119	34.123-3	358	-	3.5.2	R99	Not provided	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040123	34.123-3	359	-	3.5.2	R99	Updating Annex A	approved	F	3.6.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
SP-040358	41.101	004	-	4.10.0	Rel-4	Corrections to list of specifications	approved	F	4.11.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI4	SP
SP-040358	41.101	005	-	5.6.0	Rel-5	Corrections to list of specifications	approved	F	5.7.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI5	SP
NP-040203	43.068	016	1	6.0.0	Rel-6	Correction of PCH re-organization notification	approved	F	6.1.0	Voice Group Call Service (VGCS); Stage 2	TEI6	N1
TP-040105	51.011	032	-	4.11.0	Rel-4	Correction of coding example for MMS Issuer/User Connectivity Parameters	approved	F	4.12.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3

Work Program Key:

F/ BB/ WT	WI Level: **F=Feature** **BB=Building Block** WT=Work Task
WI ID	Work Item Unique ID number
WG	Responsible Working Group
Rel	Allocated Release
Split (up to Rel-5)	Indicates whether Work Item is marked as Splittable
Early Impl. (Rel-6 onwards)	Indicates whether Work Item is marked as a candidate for Early Implementation
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 - Version April 23 2003

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1861**	**T1**	**NA**	**Y**	**Miscelleneous UE Conformance Testing Activities**	**MISTST 1**		02/04/ 2001 08:00	01/12/ 2004 17:00	50%	No	No			
BB	**1862**	**T1**	**Rel Indep**	**N**	**Optimisation of Test Time, RF Aspects (FDD)**	**MISTST1 -OpFDD**	TSG	24/09/2001 08:00	03/09/2003 17:00	70%	No	No	34.121	It is believed that the current R99 test spec. can be optimised for faster overall test times	
BB	**1863**	**T1**	**Rel Indep**	**N**	**Optimisation of Test Time, RF Aspects (TDD)**	**MISTST1 -OpTDD**	TSG	24/09/2001 08:00	03/09/2003 17:00	70%	No	No	34.122	It is believed that the current R99 test spec. can be optimised for faster overall test times	
BB	**1907**	**T1**		**N**	**Extensions to R99 Test cases**	**MISTST1 -Ext**	TSG	02/04/2001 08:00	02/12/2003 17:00	70%	No	No	34.123 pts 1,2	Further test coverage of the R99 specification to cover supplementry services	
BB	**2564**	**T1**		**N**	**Extension to R99 Test cases - TTCN**		TSG	28/06/2002 08:00	03/03/2004 17:00	50%	No	No			
BB	**2565**	**T1**		**N**	**Creation of R99 TCs for TDD - prose**	**MISTST1 -TDD**	TSG	01/10/2001 08:00	01/07/2004 17:00	50%	No	No	34.123-1		

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2566**	**T1**		**N**	**Creation of R99 TCs for TDD - TTCN**		TSG	03/09/2002 08:00	01/12/2004 17:00	0%	No	No			
BB	**1908**	**T1**		**N**	**Review all other work items for impact on new or exiting 34 series specs.**	**MISTST1**		02/07/2002 08:00	27/12/2002 17:00	0%	No	No	34.121,122,123,125	Can't start until most core specs are stable	
F	**1340**	**S1**	**Rel-4**	**N**	**Facsimile**	**FAX**	TSG	22/02/2000 08:00	23/06/2000 17:00	100 %	Yes	Yes			
BB	**1341**	**S2**		**N**	**Real Time Fax**	**FAX-RT**		22/02/2000 08:00	23/06/2000 17:00	100 %	No	No		postponed from R99 to R00, SP-000169	
WT	1808	T2		N	Terminal capabilities, AT commands			22/02/2000 08:00	23/06/2000 17:00	100%	No	No	21.904, 27.007		
WT	1343	N1		N	Signalling aspects (e.g. ICM)			22/02/2000 08:00	23/06/2000 17:00	100%	No	No			
WT	1648	N3		N	Service provision			22/02/2000 08:00	23/06/2000 17:00	100%	Yes	Yes	23.146		
WT	1345	S1		N	Review whether service/stage 1 aspects need to be aligned			14/04/2000 08:00	23/06/2000 17:00	100%	No	No			
WT	1346	S2		N	Review whether architecture/stage 2 aspects need to be aligned			14/04/2000 08:00	23/06/2000 17:00	100%	No	No			
F	**1539**	**S4**	**Rel-4**	**N**	**Transparent End-to-End PS mobile streaming application**	**PSTREAM**	TSG	03/04/2000 08:00	21/03/2001 17:00	100 %	Yes	Yes	26.233, 26.234		
F	**1818**	**T2**	**Rel-4**	**N**	**Multimedia Messaging**	**MMS**	TSG	22/02/2000 08:00	14/03/2001 17:00	87%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
BB	**136**	**S1**		**N**	**Definition of service requirements**	**MMS**		22/02/2000 08:00	31/05/2000 17:00	100 %	No	No			
BB	**1819**	**T2**		**N**	**Review of definition of service requirements**		TSG	01/06/2000 08:00	14/03/2001 17:00	100 %	No	Yes	22.140, 23.140		Josef Laumen, Siemens
BB	**1820**	**T2**		**N**	**Technical Realisation**		TSG	10/04/2000 08:00	14/03/2001 17:00	100 %	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1821	T2		N	Review of definition of reference Achitecture model		TSG	10/04/2000 08:00	14/03/2001 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	1822	T2		N	Fulfill Requirements of Stage 1		TSG	10/04/2000 08:00	14/03/2001 17:00	100%	No	Yes	22.140, 23.140	e.g. minimum set of media formats, media format conversion, personalization of MMS.	Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	1823	T2		N	Definition of MMS primitives in Stage 2		TSG	10/04/2000 08:00	14/03/2001 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
F	**1541**	**N4**	**Rel-4**	**N**	**Transcoder-Free Operation**	**TrFO**		03/01/2000 08:00	30/03/2001 17:00	80%	No	No		Lead given to CN4 from CN...	
BB	**112**	**N4**		**N**	**OoBTC solution**	**TRFO-OOBTC**	WG	03/01/2000 08:00	30/03/2001 17:00	100 %	Yes	No			Tosshiyuki Tamura, NEC tamurato@elsf.ncos.nec.co.jp
WT	1512	R3		N	implementation in UTRAN	TRFO-OOBTC-UTRAN	TSG	11/09/2000 08:00	30/03/2001 17:00	100%	Yes	Yes	25.401, 25.410, 25.413, 25.415, 23.153	moved according to NP-000575	Alexander Vesely, Siemens alexander.vesely@SIEMENS.AT
WT	896	S2		N	Impact on architecture, Principles and Terminology			03/01/2000 08:00	20/10/2000 17:00	100%	No	No		e.g. study cascading TrFO/TFO/TrFO	
WT	1657	N1		N	Codec Negotiation between UE and MSC		TSG	14/08/2000 08:00	02/02/2001 17:00	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
WT	115	N4		N	Codec Negotiation inter MSC			03/07/2000 08:00	22/12/2000 17:00	100%	No	No		Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex + list of open issues	
WT	894	N4		N	Bearer establishment inter MSC		TSG	03/07/2000 08:00	22/12/2000 17:00	100%	Yes	Yes	23.153	Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex....	
BB	**905**	**S2**		**N**	**Speech Transcoder: Location and Control at the UMTS Core Network Border**	**TRFO-STLC**	WG	10/04/2000 08:00	29/09/2000 17:00	100 %	Yes	No		WI description and Tdoc S2-99352...	
WT	124	NP		N	Transcoder at Edge			10/04/2000 08:00	29/09/2000 17:00	100%	No	No		WI description and Tdoc S2-99352...	
F	**2310**	**GP**	**Rel-4**	**N**	**GERAN improvements 1 (Gb over IP)**	**GEIMP1**	TSG	09/05/2000 08:00	19/03/2001 17:00	100 %	No	No			

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2311**	**GP**		**N**	**Gb over IP (Ip-fication of Gb)**	**GbIP**	TSG	09/05/2000 08:00	19/03/2001 17:00	100 %	No	No			
WT	2312	GP		N	Concept		TSG	09/05/2000 08:00	10/11/2000 17:00	100%	No	No			
WT	2313	GP		N	Changes to 08.16, 08.18		TSG	09/05/2000 08:00	19/03/2001 17:00	100%	No	No			
F	**2314**	**GP**	**Rel-4**	**N**	**GERAN improvements 2 (NACC)**	**GEIMP2**	TSG	06/11/2000 08:00	19/12/2003 17:00	55%	No	No			
BB	**2315**	**GP**		**N**	**Gb enhancements**	**Gben**	TSG	06/11/2000 08:00	08/06/2001 17:00	100 %	No	No			
WT	2316	GP		N	Intra BSC NACC (Network Assisted Cell Change)		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2420	GP		N	Concept		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2317	GP		N	Changes in 03.64		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2318	GP		N	Changes in 04.60		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2319	GP		N	Changes in 44.008		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
BB	**2855**			**N**	**Start Testing**			04/06/2001 00:00	04/06/2001 00:00	0%	No	No			
BB	**2788**	**GP**		**N**	**MS conformance test for Intra BSC NACC**	**GEIMP2-Msconf**		30/11/2001 08:00	19/12/2003 17:00	50%	No	No		Started	
WT	3158	G5;G4		N	Changes in 51.010			30/11/2001 08:00	19/12/2003 17:00	50%	No	No			
F	**2324**	**GP**	**Rel-4**	**N**	**GERAN improvements 4 (Delayed TBF)**	**GEIMP4**	TSG	15/01/2001 08:00	08/06/2001 17:00	100 %	No	No			
BB	**2325**	**GP**		**N**	**Gb enhancements 2**	**GEIMP4-Gben2**	TSG	15/01/2001 08:00	08/06/2001 17:00	100 %	No	No			
WT	2429	GP		N	stage 2			15/01/2001 08:00	08/06/2001 17:00	100%	No	No			
WT	2421	G2		N	Stage 3 (changes in 44.060)		TSG	15/01/2001 08:00	06/04/2001 17:00	100%	No	No			
WT	2327	G2		N	Definition of enhanced countdown procedure		TSG	15/01/2001 08:00	06/04/2001 17:00	100%	No	No			
WT	2328	G2		N	Definition of enhanced TBF release procedure		TSG	15/01/2001 08:00	06/04/2001 17:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2329	G2		N	Definition of USF=FREE type polling mechanism on PDCH		TSG	15/01/2001 08:00	06/04/2001 17:00	100%	No	No			
F	**1222**	**R1**	**Rel-4**	**N**	**Low Chip Rate TDD option**	**LCRTDD**	TSG	19/07/2000 08:00	02/12/2003 17:00	76%	No	No			G. Yang, CWTS
BB	**1223**	**R1**		**N**	**Physical layer**	**LCRTDD-Phys**	TSG	19/07/2000 08:00	30/03/2001 17:00	100 %	No	No			G. Yang, CWTS
BB	**1224**	**R2**		**N**	**Layer 2 and layer 3 protocol aspects**	**LCRTDD-L23**	TSG	19/07/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			Y. Liu, CWTS
BB	**1225**	**R4**		**N**	**RF radio transmission/reception, system performance requirements and conformance testing**	**LCRTDD-RF**	TSG	14/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			D. Zhang, CWTS
BB	**1227**	**R2**		**N**	**UE radio access capability**	**LCRTDD-UErac**	TSG	14/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			Y. Liu, CWTS
BB	**1228**	**R3**		**N**	**Iub/Iur protocol aspects**	**LCRTDD-Iublur**	TSG	14/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			Y. Liu, CWTS
BB	**2262**			**N**	**Low chiprate TDD interworking with GERAN**			01/09/2000 08:00	19/01/2001 17:00	100 %	No	No			
WT	2263			N	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD			01/09/2000 08:00	19/01/2001 17:00	100%	No	No			
BB	**1911**	**MLST**		**N**	**Start Testing**			03/09/2001 00:00	03/09/2001 00:00	0%	No	No			
BB	**2103**	**T1**		**N**	**Conformance Test Aspects - Low Chip Rate TDD**			17/09/2001 08:00	02/12/2003 17:00	52%	No	No	0%		
WT	2217	T1		N	Testing Layer 2 and layer 3 protocol aspects		TSG	17/09/2001 08:00	02/07/2003 17:00	60%	No	No	34.123-1, 34.123-2	duration set to 6 months (was 0)	
WT	2562	T1		N	Testing Layer 2 and layer 3 protocol aspects - TTCN		TSG	03/12/2002 08:00	02/12/2003 17:00	0%	No	No	34.123-3		
WT	2218	T1		N	Testing RF Radio Transmission and Reception		TSG	17/09/2001 08:00	28/06/2002 17:00	100%	No	No		duration set to 6 months (was 0), finish date set	
F	**1322**	**S2**	**Rel-4**	**N**	**Enable bearer independent CS architecture**	**CSSPLIT**	TSG	03/01/2000 08:00	01/03/2002 17:00	68%	No	No			Alexander Milinski, Siemens

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**1323**	**N4**		**N**	**Enable bearer-independent call control**		WG	03/01/2000 08:00	16/08/2001 17:00	73%	Yes	No		DAB 12.12.01 should be 100% hence closed	Heinz-Peter Keutman, Ericsson Heinz-Peter.Keutmann@eed.ericsson.se
WT	1516	S2		N	Architecture and Stage 2 description			03/01/2000 08:00	08/09/2000 17:00	100%	No	No	23.002	R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 ...	
WT	1325	N3		N	Standardisation of protocols (control & user planes) over Nb interface		TSG	02/01/2001 08:00	30/03/2001 17:00	100%	Yes	Yes			
WT	1326	N4		N	Standardisation of protocols over reference points between MSC server and Gateway MSC server		TSG	25/09/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			
WT	1616	N4		N	Standardisation of detailed stage 2 description		TSG	17/07/2000 08:00	23/03/2001 17:00	100%	Yes	No			
WT	1327	N4		N	Bearer control between MSC server and MGW		TSG	01/09/2000 08:00	16/08/2001 17:00	100%	Yes	Yes			
WT	1328	N4		N	stage 3 - protocol issues		TSG	01/09/2000 08:00	16/08/2001 17:00	100%	Yes	Yes			
WT	1329	N3		N	stage 3 - parameter value issues			02/01/2001 08:00	30/03/2001 17:00	100%	No	No			
BB	**1331**	**S3**		**N**	**Lawful interception**			21/08/2000 08:00	23/03/2001 17:00	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.	
BB	**1918**	**MLST**		**N**	**Start Testing**			05/03/2001 00:00	05/03/2001 00:00	0%	No	No			
BB	**2052**	**T1**		**N**	**Conformance Test Aspects - Enable bearer independent CS architecture**	**CSSPLIT-TEST**		05/03/2001 08:00	01/03/2002 17:00	0%	No	No	0%		
F	**1445**	**T2**	**Rel-4**	**N**	**MExE enhancements Rel-4**	**MEXE**	TSG	03/01/2000 08:00	14/12/2001 17:00	100 %	Yes	Yes			
BB	**1447**	**S3**		**N**	**MExE Security Analysis Activity**	**MEXE-SEC**	TSG	22/02/2000 08:00	14/12/2001 17:00	100 %	Yes	Yes		Presentation to S3 of threats and countermeasures analysis: S3#15, Feature specification: S3#16. S3#18: WID updated	Colin Blanchard, BT colin.blanchard@bt.com
WT	2045	S3		N	Stage 3	MEXE1-SEC		17/07/2000 08:00	14/12/2001 17:00	100%	No	No		Analysis undertaken by T2. No additional analysis needed for Rel-4	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1448	T2		N	Terminal aspects			22/02/2000 08:00	15/12/2000 17:00	100%	No	No			
BB	**1810**	**T2**		**N**	**MExE Rel4 Improvements and Investigations**	**MEXE-ENHANC**	TSG	03/01/2000 08:00	15/12/2000 17:00	100 %	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1812	T2		N	3rd MExE classmark		TSG	03/01/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057	Additional features for MExE R2000	Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1814	T2		N	FS on Secure download mechanism and capabilities to support SDR concepts		TSG	07/02/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1815	T2		N	FS on Support of MP3/MPEG4 content		TSG	07/02/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
F	**1631**	**S4**	**Rel-4**	**N**	**Tandem Free aspects for 3G and between 2G and 3G systems**	**TFO**		22/02/2000 08:00	15/06/2001 17:00	100 %	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
BB	**1632**	**S4**		**N**	**Tandem Free AMR**	**TFO-AMR**		22/02/2000 08:00	15/06/2001 17:00	100 %	No	No		RAN and CN to verify UMTS_AMR_2 support	
WT	130	S4		N	Specification			22/02/2000 08:00	23/03/2001 17:00	100%	No	No	28.062		
WT	907	NP		N	Impact on:			08/01/2001 08:00	15/06/2001 17:00	100%	No	No		"Implementation" changed to "Impact on:" by A. Sultan (for better wording)	
WT	131	NP		N	CN			26/03/2001 08:00	15/06/2001 17:00	100%	No	No		RAN and CN to verify UMTS_AMR_2 support	
WT	132	GP		N	GERAN			08/01/2001 08:00	06/04/2001 17:00	100%	No	No		End date Modified from June to March to have it in Rel4	
F	**2230**	**N1**	**Rel-4**	**N**	**Advanced Speech Call Items enhancements_REL-4**	**ASCI**	TSG	03/12/2000 08:00	14/03/2002 17:00	100 %	No	No		Approved in TSGN_10...	Sonia Garapaty sonia.garapaty@nortelnetworks.com
BB	**2232**	**N4**		**N**	**Stage 2**		WG	03/12/2000 08:00	14/03/2002 17:00	100 %	No	No	23.067, 24.067	CN4#11 30/11/02: no inputs received in CN4	Vivien Perlic, Sagem
BB	**2231**	**N1**		**N**	**Stages 2 and 3 on A interface**		WG	03/12/2000 08:00	23/03/2001 17:00	100 %	No	No	44.068, 44.069, 24.008		Sonia Garapaty sonia.garapaty@nortelnetworks.com
F	**2403**	**GP**	**Rel-4**	**N**	**700 MHz spectrum support**	**700SS**		03/01/2000 08:00	20/12/2002 17:00	75%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2404**	**GP**		**N**	**GERAN support for the 700 MHz band**			03/01/2000 08:00	19/01/2001 17:00	100 %	No	No			
WT	2405	GP		N	Signalling support			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2406	GP		N	Physical layer definitions			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2407	GP		N	Receiver performance and RF budget			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
BB	**2408**	**GP**		**N**	**GERAN MS Conformance test for 700 MHz band**			02/04/2001 08:00	30/11/2001 17:00	100 %	No	No			
WT	2409	GP		N	MS test			02/04/2001 08:00	30/11/2001 17:00	100%	No	No			
BB	**2410**	**GP**		**N**	**GERAN BTS Conformance test for 700 MHz band**			02/04/2001 08:00	20/12/2002 17:00	100 %	No	No			
WT	2411	GP		N	BTS test			02/04/2001 08:00	20/12/2002 17:00	100%	No	No			
F	**2463**	**NP**	**Rel-4**	**N**	**Operator Determined Barring for Packet Oriented Services**	**ODB**	TSG	01/06/2000 08:00	19/03/2001 17:00	100 %	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura tamurato@nsf.ncos.nec.co.jp
F	**2546**	**S2**	**Rel-4**	**N**	**UMTS QoS Architecture for PS Domain**	**QoSPS**	TSG	03/01/2000 08:00	27/11/2002 17:00	38%	No	No			Ina Widegren, Ericsson Ina.widegren@era.ericsson.se
BB	**2548**	**S2**		**N**	**Architecture**		TSG	05/06/2000 08:00	03/01/2001 17:00	100 %	No	No	23.107		
BB	**2550**	**S5**		**N**	**Charging and OAM&P for QoS Management**	**QoSPS-OAM**	TSG	21/09/2001 08:00	28/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**1681**	**R3**		**N**	**RAB Quality of Service (re)Negotiation over Iu**	**QoSPS-MAPEND-RABQoS**	TSG	21/08/2000 08:00	23/03/2001 17:00	69%	Yes	Yes	25.413		A. Molander, Ericsson
WT	1991	R3		N	RAB Quality of Service Negotiation over Iu	QoSPS-MAPEND-RABQoS-Negot	TSG	21/08/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			A. Molander, Ericsson

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2456	R3		N	RAB Quality of Service Negotiation over Iu during relocation	QoSPS-MAPEND-RABQoS-NegotReloc	TSG	02/03/2001 08:00	23/03/2001 17:00	100%	No	No			
WT	1992	R3		N	RAB Quality of Service Re-Negotiation over Iu	QoSPS-MAPEND-RABQoS-ReNegot	TSG	25/09/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			S. Irwin, Motorola
BB	**1553**	**GP**		**N**	**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	03/01/2000 08:00	30/11/2001 17:00	73%	No	No			
WT	2306	GP		N	Handover Concept for the PS domain		TSG	03/01/2000 08:00	30/11/2001 17:00	63%	No	No			
WT	2309	GP		N	Stable RT handover report 25.936 including header removal		TSG	03/01/2000 08:00	19/01/2000 17:00	100%	No	No			
WT	2307	GP		N	Update of stage 2		TSG	03/01/2000 08:00	13/02/2001 17:00	100%	No	No			
WT	2308	G2		N	Update of relevant stage 3 specs -> RRC		TSG	03/01/2000 08:00	30/11/2001 17:00	100%	No	No			
BB	**2614**	**G4;R3**		**N**	**GERAN MS Conformance test for inter-system and intra-system Packet data real-time Handover**	**GERQoS-Mstest**	TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No		Still exist? To be clarified by GERAN4/5	
WT	2615	G4;R3		N	Handover for the PS domain		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2616	G4;R3		N	Stable RT handover report 25.936 including header removal		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2617	G4;R3		N	Update of stage 2		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2618	G4;R3		N	Update of relevant stage 3 specs		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
BB	**1685**	**R3**		**N**	**PS-domain handover for real-time services**	**QoSPS-PSdoRTS**	TSG	28/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			A. Lansisalmi, Nokia
BB	**2554**	**R3**		**N**	**RAB QoS Renegotiation at Relocation**		TSG	03/01/2001 08:00	23/03/2001 17:00	0%	No	No	25.851, 25.946		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1993**	**Generic**	**Rel-4**	**N**	**small Technical Enhancements and Improvements for Rel4**	**TEI4**	TSG	03/01/2000 08:00	30/03/2001 17:00	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	
F	**2857**	**RP**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the UTRAN**	**ETRAN**	TSG	21/08/2000 08:00	23/08/2002 17:00	76%	No	No			Francois Courau
BB	**2859**	**R3**	**Rel-4**	**N**	**QoS optimisation for AAL2 connections over Iub and Iur interfaces**	**ETRAN-QoSAAL2**	TSG	21/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2860**	**R3**	**Rel-4**	**N**	**Transport bearer modification procedure on Iub, Iur, and Iu**	**ETRAN-MigrMod**	TSG	02/10/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2864**	**T1**		**N**	**Conformance Test Aspects of Rel-4 evolutions of the transport in UTRAN**			25/02/2002 08:00	23/08/2002 17:00	0%	No	No			
WT	2865	T1		N	Testing RAB support enhancements	CT-RABS?		25/02/2002 08:00	23/08/2002 17:00	0%	No	No	34.108, 34.121, 34.122, 34.123 pts 1,2, 34.123 pt 3	Requires supporting companies	
F	**2866**	**N4**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the CN**	**CNTRSP**		29/05/2000 08:00	23/03/2001 17:00	100 %	No	No		WI formulation assigned to N4	
BB	**2867**	**N4**	**Rel-4**	**N**	**IP Transport of CN protocols (e.g., CAP, MAP)**	**SS7IP**		07/12/2000 08:00	23/03/2001 17:00	100 %	No	No		AS: corrected to Rel4 as stated at SA#10	
WT	2868	N4		N	Stage 3			07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2869	N2		Y	CAP		WG	07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2870	N4		N	MAP			07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2871	N1		N	BSSAP+	SS7IP-BSSAP+	WG	15/01/2001 08:00	14/03/2001 17:00	100%	No	No			
BB	**2873**	**S2**	**Rel-4**	**N**	**FS on Transport and control separation in the PS CN domain**		TSG	29/05/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland Juan-Antonio.Ibanez@eed.ericsson.se
WT	2874	S2		N	Architectural impacts		WG	29/05/2000 08:00	23/03/2001 17:00	100%	Yes	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**2875**	**RP**	**NA**	**Y**	**Rel-4 Improvements of Radio Interface**	**RInImp**	TSG	10/07/2000 08:00	14/03/2003 17:00	81%	No	No			
BB	**2884**	**R4**	**Rel-4**	**N**	**UTRA repeater specification (master)**	**RInImp-REP**	TSG	10/07/2000 08:00	21/03/2001 17:00	100 %	Yes	Yes			T. Kummetz, Mikom; Alf Ahlström, Allgon
BB	**2885**	**R1**	**Rel-4**	**N**	**DSCH power control improvement in soft handover**	**RInImp-DSCHsho**	TSG	11/09/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes			A. Toskala, Nokia
BB	**2886**	**R4**	**Rel indep**	**N**	**UMTS 1800**	**RInImp-UMTS18**	TSG	25/09/2000 08:00	14/12/2001 17:00	100 %	Yes	Yes			H. Benn, Motorola
BB	**2887**	**R4**	**Rel indep**	**N**	**UMTS 1900**	**RInImp-UMTS19**	TSG	19/03/2001 08:00	14/12/2001 17:00	100 %	No	No			Howard Benn, Motorola
BB	**2892**	**R2**		**N**	**FS on High Speed downlink packet access**	**RInImp-HSDPA**	TSG	21/08/2000 08:00	23/03/2001 17:00	100 %	Yes	No			A. Ghosh, Motorola
BB	**2894**	**R2**		**N**	**FS on improved common DL channel for Cell-FACH state**	**RInImp-DLCFACH**	TSG	11/09/2000 08:00	28/12/2001 17:00	100 %	Yes	Yes		Stopped at RAN#14	J. Kwak, GBT
BB	**2901**	**T1**		**N**	**Conformance Test Spec. Rel-4 improvements in Radio Interface**			08/10/2001 08:00	14/03/2003 17:00	64%	No	No			
WT	2904	T1		N	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type			18/02/2002 08:00	30/08/2002 17:00	0%	No	No		start/finish dates set...	
WT	2905	T1		N	Testing Terminal Power saving features			18/02/2002 08:00	30/08/2002 17:00	0%	No	No		start/finish dates set...	
WT	2906	T1	Rel-4	N	Testing DSCH power control improvement in soft handover			18/02/2002 08:00	30/08/2002 17:00	0%	No	No		start/finish dates set...	
WT	2907	T1	Rel indep	N	Testing UMTS 1800		TSG	08/10/2001 08:00	14/06/2002 17:00	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
WT	2908	T1	Rel indep	N	Testing UMTS 1900		TSG	08/10/2001 08:00	14/06/2002 17:00	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
WT	2909	T1	Rel indep	N	Testing UMTS 1800 - TTCN		TSG	17/06/2002 08:00	14/03/2003 17:00	100%	No	No	34.123-3	finish date set	
WT	2910	T1	Rel indep	N	Testing UMTS 1900 - TTCN		TSG	17/06/2002 08:00	14/03/2003 17:00	100%	No	No	34.123-3	finish date set	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**2911**	**RP**	**NA**	**Y**	**Rel-4 RAN improvements**	**RANimp**	TSG	14/08/2000 08:00	17/03/2004 17:00	14%	No	No			
BB	**2921**	**R1**	**Rel-4**	**N**	**Node B synchronisation for TDD**	**RANimp-NBsync**	TSG	14/08/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes			S. Oestreich, Siemens
BB	**2923**	**R2**	**Rel-4**	**N**	**RAB support enhancement for Rel-4**	**RANimp-RABSE**	TSG	21/08/2000 08:00	23/03/2001 17:00	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
BB	**2930**	**MLST**		**N**	**Start Testing**			03/12/2001 00:00	03/12/2001 00:00	0%	No	No		UID changed	
BB	**2931**	**T1**		**N**	**Conformance Test Aspects - Rel-4 RAN Improvements**			01/01/2002 08:00	17/03/2004 17:00	2%	No	No	0%		
WT	2932	T1		N	Testing Radio access bearer support enhancments			01/01/2002 08:00	02/09/2002 17:00	0%	No	No		duration set to 6 months (was 0)...	
WT	2933	T1	Rel-4	Y	Testing RAB support enhancements-Robust Header Compression	RABimp-RoCH	TSG	28/05/2002 08:00	03/09/2003 17:00	0%	No	No	34.123-1, -2	UID changed	
WT	3513	T1	Rel-4	Y	Testing RAB support enhancements-Robust Header Compression - TTCN		TSG	28/05/2002 08:00	17/03/2004 17:00	0%	No	No	34.123-3	UID changed	
WT	3514	T1	Rel-4	N	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	18/09/2002 08:00	30/09/2003 17:00	15%	No	No	34.123-1, -2		
WT	3515	T1	Rel-4	N	Testing of Extended Robut Header Compression - TTCN		TSG	18/09/2002 08:00	16/12/2003 17:00	0%	No	No	34.123-3		
WT	3640	T1	Rel-4	N	General changes to TS34.121 corresponding to release 4	RANimp-test	TSG	03/03/2003 08:00	03/03/2004 17:00	0%	No	No	34.108, 34.121		
F	**2934**	**N1**	**NA**	**Y**	**Rel-4 Emergency call enhancements**	**EMC1**	WG	03/01/2000 08:00	28/05/2002 17:00	65%	Yes	No			Mr Rouzbeh, Ericsson EUSFARO@am1.ericsson.se
BB	**2943**	**N1**	**Rel-4**	**N**	**For CS based calls**	**EMC1-CS**	TSG	03/01/2000 08:00	28/05/2002 17:00	67%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson EUSFARO@am1.ericsson.se
WT	2944	S1		N	Distinction in CS domain of emergency call types to different emergency services			01/05/2000 08:00	23/06/2000 17:00	100%	No	No			

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2945	N1		N	Distinction in CS domain of emergency calls to different emergency types			28/08/2000 08:00	26/09/2000 17:00	100%	No	No		Calls to different emergency services such as ambulance, fire brigade, police, etc. can be routed to respective different emergency centres....	
WT	2946	T1		N	Conformance Test Aspects - Emergency call enhancements			03/01/2000 08:00	28/07/2000 17:00	0%	No	No		UID changed	
WT	2947	T1		N	Testing CS based emergency calls		TSG	25/02/2002 08:00	28/05/2002 17:00	100%	No	No	34.123-1		
WT	2948	T1		N	Testing CS based emergency calls - TTCN		TSG	22/11/2001 08:00	28/05/2002 17:00	100%	No	No	34.123-3		
F	**2987**	**T2**	**NA**	**Y**	**Rel-4 Terminal interfaces**	**TI**		03/01/2000 08:00	15/03/2001 17:00	68%	No	No			
BB	**2988**	**T2**	**Rel-4**	**N**	**AT commands enhancements**	**TI-ATC**		03/01/2000 08:00	14/03/2001 17:00	100 %	No	No	27.007		
WT	2989	T2		N	Specification of AT commands for new services			03/01/2000 08:00	14/03/2001 17:00	100%	No	No	27.007	goal not completely achieved because of missing input	
BB	**2991**	**T2**	**NA**	**Y**	**Wide Area Data Synchronisation**	**TI-WADS**		03/01/2000 08:00	14/03/2001 17:00	56%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
WT	2992	T2	Rel-4	N	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		03/01/2000 08:00	14/03/2001 17:00	100%	No	No	27.903, 27.103		
BB	**2993**	**T2**	**Rel-4**	**N**	**Terminal local model**	**TLM**	TSG	16/05/2000 08:00	15/03/2001 17:00	100 %	No	Yes	23.227		Olga Tomé, Ericsson Olga.Tome@ECS.ERICSSON.SE
F	**2995**	**S2**	**NA**	**Y**	**Rel-4 Location Services enhancements**	**LCS1**	TSG	03/04/2000 08:00	28/12/2001 17:00	75%	No	No			Jan Kall, Nokia
BB	**2996**	**T2**	**Rel-4**	**N**	**CBS interactions**	**LCS1-CBS**		03/04/2000 08:00	28/12/2001 17:00	100 %	No	No	23.041		
BB	**2997**	**S2**	**Rel-4**	**N**	**LCS support in the CS domain**	**LCS1-CS**		15/05/2000 08:00	19/01/2001 17:00	100 %	No	No		Only MAP impact foreseen so far. To be further split if needed.	
BB	**2998**	**S2**	**Rel-4**	**N**	**LCS support in the PS domain**	**LCS1-PS**		01/05/2000 08:00	28/12/2001 17:00	75%	No	No			
WT	2999	S1		N	Stage 1			03/07/2000 08:00	25/08/2000 17:00	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 rwohlert@tri.sbc.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3000	S2		N	Stage 2			01/05/2000 08:00	19/01/2001 17:00	100%	No	No	23.271	AS: 23.271 completed at SA#10	
WT	3001	N1		N	Stage 3			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			
WT	3002	N1		N	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			Janne Muhonen / Nokia
WT	3003	N4		N	MAP impacts of LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No		Missing work task	
WT	3004	N4		N	GTP signaling for LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No			
BB	**3005**	**RP**	**NA**	**N**	**UE positioning Rel-4**	**LCS1-UEpos**	TSG	03/04/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes		UID changed	
WT	3006	R3	Rel-4	N	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	No	Yes		27/11: WG corrected; rapporteur corrected	Yun-Chao Hu, Ericsson
WT	3007	R2	Rel-4	N	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	28/08/2000 08:00	23/03/2001 17:00	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
F	**3045**	**T3**	**NA**	**N**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**UICC1**		24/07/2000 08:00	23/03/2001 17:00	100 %	No	No			
BB	**3046**	**T3**	**Rel-4**	**N**	**Common PCN Handset Specification (CPHS)**	**UICC1-CPHS**	TSG	24/07/2000 08:00	23/03/2001 17:00	100 %	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
F	**3047**	**T3**	**NA**	**N**	**Rel-4 (U)SIM toolkit enhancements**	**USAT1**		05/06/2000 08:00	23/03/2001 17:00	100 %	No	No			
BB	**3048**	**T3**	**Rel-4**	**N**	**USAT local link**	**USAT1-LocLnk**	TSG	05/06/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
F	**3057**	**S3**	**NA**	**N**	**Rel-4 Security enhancements**	**SEC1**	TSG	03/01/2000 08:00	15/03/2002 17:00	86%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**3058**	**S3**	**Rel-4**	**N**	**Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)**	**SEC1-CSALGO1**	TSG	03/01/2000 08:00	15/01/2001 17:00	100 %	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	? ?
BB	**3059**	**S3**	**Rel-4**	**N**	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	**SEC1-PSALGO1**	TSG	22/02/2000 08:00	22/12/2000 17:00	100 %	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	? ?

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3060	S3		N	Main aspects			22/02/2000 08:00	24/11/2000 17:00	100%	No	No		Complete TSG#09 (09/2000). S3#17: Proposed for deletion. TO BE DELETED	
WT	3061	N4		N	Impact on GTP		WG	20/03/2000 08:00	22/12/2000 17:00	100%	Yes	No			
WT	3062	N1		N	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP		19/06/2000 08:00	22/12/2000 17:00	100%	No	No			Duncan Mills / Vodafone Airtouch
BB	**3063**	**S3**	**Rel-4**	**Y**	**MAP application layer security**	**SEC1-MAPAL**	TSG	03/01/2000 08:00	15/03/2002 17:00	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	
WT	3064	S3		N	Main aspects		WG	21/02/2000 08:00	29/03/2001 17:00	100%	Yes	No		UID changed	
WT	3065	N4		N	Other stage 3 aspects		TSG	22/02/2000 08:00	24/11/2000 17:00	100%	Yes	Yes		UID changed	
WT	3066	S3	Rel-5	N	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	03/01/2000 08:00	15/03/2002 17:00	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom Sebastien.nguyenngoc@rd.francetelecom.com
F	**3078**	**S5**	**NA**	**N**	**Rel-4 Charging and OAM&P**	**OAM**	TSG	01/12/2000 08:00	05/10/2001 17:00	100 %	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**3438**	**S5**	**Rel-4**	**N**	**Rel4 Principles, high level Requirements and Architecture**	**OAM-AR/PR**	TSG	01/12/2000 08:00	21/06/2001 17:00	100 %	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB) Michael.Truss@MOTOROLA.COM; Tommy.R.Berggren@TELIA.SE
BB	**3439**	**S5**	**Rel-4**	**N**	**Rel4 Performance Management**		TSG	01/12/2000 08:00	28/09/2001 17:00	100 %	No	No	32.4xy, 52.402	Changed Rapp email	Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
BB	**3440**	**S5**	**Rel-4**	**N**	**Fault Management**		TSG	01/12/2000 08:00	05/10/2001 17:00	100 %	Yes	Yes	32.111-1/4		Patrick JURÉ (Lucent Technologies) pjure@LUCENT.COM

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3441**	**S5**	**Rel-4**	**N**	**Configuration Management**	**OAM-CM**	TSG	01/12/2000 08:00	21/06/2001 17:00	100 %	No	No	32.106-1/8		Thomas TOVINGER (Ericsson) Thomas.Tovinger@emw.ericsson.se
BB	**3442**	**S5**	**Rel-4**	**N**	**Rel4 Charging Management**	**OAM-CH**	TSG	01/12/2000 08:00	28/09/2001 17:00	100 %	No	No	32.2xy (Charging)	Changed Rapp email	Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
BB	**3443**	**S5**	**Rel-4**	**N**	**UTRAN Operations and Maintenance procedures**	**UOAM**	TSG	01/12/2000 08:00	21/06/2001 17:00	100 %	Yes	No	32.800		Bert Boden (Mannesmann Mobilfunk) bert.boden@d2mannesmann.de
F	**1517**	**S2**	**Rel Indep**	**N**	**Global Text Telephony**	**GTT**	TSG	28/06/2000 08:00	29/08/2002 17:00	84%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson gunnar.hellstrom@omnitor.se
BB	**1634**	**S1**		**N**	**Stage 1**		TSG	28/06/2000 08:00	16/03/2001 17:00	100 %	No	No	22.976, 22.226		
BB	**1519**	**S2**		**N**	**Stage 2**		TSG	11/09/2000 08:00	22/06/2001 17:00	100 %	No	No	23.226		
BB	**2234**	**S4**		**N**	**Specification of Cellular Text telephone Modem**	**GTT-CTM**		11/09/2000 08:00	19/03/2001 17:00	100 %	No	No			
WT	2238	S4		N	General description and C-code			11/09/2000 08:00	11/12/2000 17:00	100%	No	No	26.226, 26.230		
WT	2237	S4		N	Minimum Performance requirements			11/09/2000 08:00	19/03/2001 17:00	100%	No	No	26.231		
BB	**1915**	**MLST**		**N**	**Start Testing**			18/02/2002 00:00	18/02/2002 00:00	0%	No	No			
BB	**1852**	**T1**		**N**	**Conformance Test Aspects - Global Text telephony**			01/03/2002 08:00	29/08/2002 17:00	0%	No	No	34.125	Bearer services, new spec document?...	

Annex H: Definition of Release 5, extracted from the Project Plan - Version July 25 2003

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**625**	**R3**	**Rel-5**	**N**	**IP transport in the UTRAN**	**ETRAN-IPtrans**	TSG	17/07/2000 08:00	29/03/2002 17:00	100 %	Yes	Yes			Nicolas Drevon, Alcatel
F	**2455**	**N4**	**Rel-5**	**N**	**FS on Usage of SUA**	**SS7IP**		12/03/2001 08:00	21/12/2001 17:00	100 %	No	No		update WID...	
F	**2476**	**R2**	**Rel-5**	**N**	**High Speed Downlink Packet Access**	**HSDPA**	TSG	02/04/2001 08:00	06/06/2003 17:00	96%	No	No			Ravi Kuchibhotla, Motorola
BB	**2477**	**R1**		**N**	**Physical Layer**	**HSDPA-Phys**	TSG	05/04/2001 08:00	29/03/2002 17:00	100 %	No	No			Amitava Ghosh, Motorola
BB	**2478**	**R2**		**N**	**Layer 2 and 3 aspects**	**HSDPA-L23**	TSG	05/04/2001 08:00	29/03/2002 17:00	100 %	No	No		30 November: Completion date shifted to March 2002	Ravi Kuchibhotla, Motorola
BB	**2479**	**R3**		**N**	**Iub/Iur protocol aspects**	**HSDPA-IubIur**	TSG	02/04/2001 08:00	29/03/2002 17:00	100 %	No	No			Mike Diesen, Motorola
BB	**2480**	**R4**		**N**	**RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing**	**HSDPA-RF**	TSG	09/04/2001 08:00	06/06/2003 17:00	90%	No	No			Howard Benn, Motorola
F	**3246**	**RP**	**NA**	**Y**	**Rel-5 Improvements of Radio Interface**	**RInImp**	TSG	14/08/2000 08:00	30/08/2002 17:00	89%	No	No			
BB	**3248**	**R4**	**Rel-5**	**N**	**Base station classification**	**RInImp-BSClass**	TSG	14/08/2000 08:00	14/06/2002 17:00	100 %	Yes	Yes			A. Toskala, Nokia
WT	3250	R4		N	TDD Base station classification	RInImp-BSClass-TDD	TSG	14/08/2000 08:00	08/03/2002 17:00	100%	Yes	Yes			A. Toskala, Nokia
WT	3251	R4		N	Base Station Classification for 1.28 Mcps TDD option	RInImp-BSClass-LCRTDD	TSG	15/06/2001 08:00	14/06/2002 17:00	100%	No	No			Meik Kottkamp, Siemens

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3256**	**R1**	**Rel-5**	**N**	**Enhancement on the DSCH hard split mode**	**RInImp-DSCHhsp**	TSG	16/03/2001 08:00	29/03/2002 17:00	100 %	No	No			Jaeyoel KIM, Samsung
BB	**1217**	**R2**	**Rel-5**	**N**	**Hybrid ARQ II/III**	**RInImp-HARQ**	TSG	21/08/2000 08:00	28/12/2001 17:00	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
BB	**3259**	**R1**	**Rel-5**	**N**	**FS on USTS**	**RInImp-USTS**	TSG	14/08/2000 08:00	21/12/2001 17:00	100 %	Yes	Yes			D. Kim, SK Telecom
BB	**3260**	**R4**	**Rel-5**	**N**	**FS on UE antenna efficency test method performance requirements**	**RInImp-UEAnTM**	TSG	25/09/2000 08:00	14/09/2001 17:00	100 %	Yes	Yes			O. Edvardsson, Allgon
BB	**3261**	**R4**	**Rel-5**	**N**	**FS on the re-introduction of the downlink SIR measurement**	**RInImp-SIR**	TSG	12/03/2001 08:00	14/12/2001 17:00	100 %	No	No			Torgny Palenius, Ericsson
BB	**3263**	**R4**	**Rel-5**	**N**	**FS on mitigating the effect of CPICH interference at the UE**	**RInImp-CPICH_Intf**	TSG	19/03/2001 08:00	08/03/2002 17:00	100 %	No	No			Shimon Moshavi, Intel
BB	**3268**	**T1**		**N**	**Conformance Test Spec. improvements in Radio Interface**			18/02/2002 08:00	30/08/2002 17:00	0%	No	No			
WT	3269	T1	Rel-5	N	Testing improvement of inter-frequency and inter-system measurement			18/02/2002 08:00	30/08/2002 17:00	0%	No	No		start/finish dates set...	
WT	3270	T1	Rel-5	N	Testing Hybrid ARQ II/III			18/02/2002 08:00	30/08/2002 17:00	0%	No	No		start/finish dates set...	
F	**3271**	**RP**	**NA**	**Y**	**Rel-5 RAN improvements**	**RANimp**	TSG	16/03/2001 08:00	01/03/2004 17:00	72%	No	No			
BB	**3272**	**R3**	**Rel-5**	**N**	**RRM optimization for Iur and Iub**	**RANimp-RRMopt**	TSG	16/03/2001 08:00	04/06/2002 17:00	100 %	Yes	Yes			Gert-Jan van Lieshout, Ericsson
WT	3273	R3		N	Iur common transport channel efficiency optimisation	RANimp-RRMopt-ctc	TSG	16/03/2001 08:00	29/03/2002 17:00	100%	No	No			Shahrokh Amirijoo, Ericsson
WT	3274	R3		N	Iur neighbouring cell reporting efficiency optimisation	RANimp-RRMopt-ncr	TSG	16/03/2001 08:00	29/03/2002 17:00	100%	No	No			Shahrokh Amirijoo, Ericsson
WT	3275	R3		N	FS Introduction of direct transport bearers between SRNC and Node-B	RAN-imp-RRMopt-DTB	TSG	15/06/2001 08:00	04/06/2002 17:00	100%	No	No		FS was closed and introduction of WI not agreed at RAN #16	Risto Sepponen, Ericsson

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3276**	**R3**	**Rel-5**	**N**	**RL Timing Adjustment**	**RANimp-RLTA**	TSG	16/03/2001 08:00	29/03/2002 17:00	100 %	No	No			Elena Voltolina, Ericsson
BB	**3277**	**R3**	**Rel-5**	**N**	**Separation of resource reservation and radio link activation**	**RANimp-SepRR**	TSG	16/03/2001 08:00	29/03/2002 17:00	100 %	No	No			Gert-Jan van Lieshout, Ericsson
BB	**3280**	**R3**	**Rel-5**	**N**	**FS SRNS Relocation Procedure Enhancement**	**RANimp-SRNS**	TSG	15/06/2001 08:00	03/09/2002 17:00	100 %	No	No			Olivier Guyot, Nokia
BB	**3278**	**R3**	**Rel-5**	**N**	**FS Improvement of Radio Resource Management across RNS and RNS/PSS**	**RANimp-ImpRRM**	TSG	16/03/2001 08:00	21/12/2001 17:00	100 %	No	No		FS was closed and WI was introduced at RAN #14	Antti Toskala, Nokia
BB	**3279**	**R3**	**Rel-5**	**N**	**Re-arrangements of Iub transport bearers**	**RANimp-TTPS**	TSG	16/03/2001 08:00	29/03/2002 17:00	100 %	No	No			Antti Toskala, Nokia
BB	**3282**	**R2**	**Rel-5**	**N**	**RAB support enhancement for Rel-5**	**RANimp-RABSE5**	TSG	02/04/2001 08:00	28/06/2002 17:00	100 %	No	No		RFC 3095 context relocation	Juha Mikola, Nokia
BB	**3285**	**R1**	**Rel-5**	**N**	**Beamforming requirements for UE**	**RANimp-BFR-UE**	TSG	21/09/2001 08:00	14/12/2001 17:00	100 %	No	No			Jussi Kähtävä, Nokia
BB	**3287**	**R1**	**Rel-5**	**N**	**Support of Site Selection Diversity Transmission in UTRAN**	**RANimp-SSDT**	TSG	14/12/2001 08:00	04/06/2002 17:00	100 %	No	No		RP-020356	NEC
BB	**3288**	**R1**	**Rel-5**	**N**	**Node B Synchronisation for 1.28 Mcps TDD**	**RANimp-NBSLCR**	TSG	16/03/2001 08:00	29/03/2002 17:00	100 %	No	No			Jinling HU, CWTS/CATT
BB	**3290**	**MLST**		**N**	**Start Testing**			03/12/2001 00:00	03/12/2001 00:00	0%	No	No			
BB	**3291**	**T1**		**N**	**Conformance Test Aspects - RAN Improvements**			01/01/2002 08:00	01/03/2004 17:00	0%	No	No	0%		
WT	3292	T1		N	Testing Radio access bearer support enhancments			01/01/2002 08:00	02/09/2002 17:00	0%	No	No		duration set to 6 months (was 0)...	
WT	3641	T1	Rel-5	N	General changes to TS34.121 and TS34.122 corresponding to release 5	RANimp-test	TSG	03/03/2003 08:00	01/03/2004 17:00	0%	No	No	34.108, 34.121, 34.122		
F	**3096**	**R3**	**Rel-5**	**N**	**UTRAN Sharing in Connected Mode**	**NETSHARE**		03/12/2001 08:00	03/09/2002 17:00	100 %	No	No		Formerly 'Shared Network support in connected mode', renamed at RAN #16.	Martin Israelsson, Ericsson

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3293**	**S1**	**NA**	**N**	**Provisioning of IP-based multimedia services**	**IMS**	TSG	03/01/2000 08:00	03/03/2004 17:00	84%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
BB	**3294**	**S2**	**Rel-5**	**N**	**Call control and roaming to support IMS in UMTS**	**IMS-CCR**	TSG	03/01/2000 08:00	14/06/2002 17:00	88%	No	No			Liz Daniel, Lucent
WT	3295	S1		N	Stage 1			21/02/2000 08:00	15/12/2000 17:00	100%	No	No	22.228	Issues include e.g.: Roaming requirements, Requirements on supplementary services, Interworking requirements	Mark Cataldo, Motorola 17.-21.7., S1#9, Completion of CR's against 22 series [dates taken from 22.976]
WT	3296	S2		N	Stage 2 (Architecture and Main flows)		TSG	14/04/2000 08:00	23/03/2001 17:00	100%	Yes	Yes	23.228	Issues include e.g.: Mobile IP, RAB selection principles, Optimized VoIP bearer mechanisms, SIP multimedia protocol	Liz Daniel, Lucent R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 [WI dates need revision. To be revised by TSG#8]
WT	3297	N1		N	Impact on MM/CC/SM	IMS-CCR-IWMM		28/08/2000 08:00	08/03/2002 17:00	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 drage@lucent.com
WT	3298	N1		N	SIP Call Control protocol for the IMS		TSG	03/01/2000 08:00	14/06/2002 17:00	100%	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 81.1.4 93% NP-010643 ftp://ftp.3gpp.org/Information/WI_Sheet/NP-010643.pdf 50 24/01/2002 08:00 No Yes 3 12.1.4 Fixed Duration 2233 drage@lucent.com No N1	Keith Drage, Lucent drage@lucent.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3299	N1		N	IMS signalling flows		TSG	02/10/2000 08:00	22/03/2002 17:00	100%	Yes	Yes	TS 24.228	TS 24.228...	
WT	3300	N1		N	IMS stage 3		TSG	02/10/2000 08:00	22/03/2002 17:00	100%	Yes	Yes	TS 24.229	TS 24.229...	
WT	3301	N1		N	IMS Session Handling; stage 2		TSG	02/10/2000 08:00	22/03/2002 17:00	100%	No	No	TS 23.218	TS 23.218...	
WT	3302	NP		N	Main IETF dependencies			03/01/2000 08:00	07/06/2002 17:00	96%	No	No			
WT	3303	N1		N	IETF: RFC 3261 (Session Initiation Protocol)			24/11/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3304	N1		N	IETF: RFC 3262 (Reliability of provisional responses)			24/11/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3305	N1		N	IETF: RFC 3312 (Without COMET)(Integration of resource management and SIP)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3306	N1		N	IETF: RFC 3323 (SIP extensions for caller identity and privacy)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3307	N1		N	IETF: RFC 3313 (SIP extensions for media authorization)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3308	N1		N	IETF: RFC 3265 (specific event notification)			24/11/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3309	N1		N	IETF: RFC editor Queue (refer method)			24/11/2000 08:00	07/06/2002 17:00	100%	No	No			
WT	3310	N1		N	IETF: RFC editor Queue (DHCP options for SIP servers)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3312	N1		N	IETF: RFC 3267 (AMR and AMR WB RTP and SDP)			24/11/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3313	N1		N	IETF: RFC 3266 (IPv6 support within SDP)			03/01/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3314	N1		N	IETF: RFC 3311 (The Update method)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3315	N1		N	IETF: RFC 3324 (Network Asserted Identity)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3316	N1		N	IETF: RFC editor Queue (Various 3GPP Private Extensions)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3317	S2		N	Addressing			09/10/2000 08:00	22/03/2002 17:00	100%	No	No			
WT	3318	S2		N	Architectural issues			09/10/2000 08:00	31/08/2001 17:00	100%	No	No			
WT	3319	N4		N	Impact on HSS			15/11/2000 08:00	22/03/2002 17:00	100%	No	No		17th May, KK: This is cover by 29.228 & 29228. Work complete.	

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	3320	S1		Y	Service Examples (Work stopped)	IMS-Sex	TSG	17/04/2001 08:00	14/06/2002 17:00	31%	No	No	22.928		Mark Cataldo, Motorola mcatald1@email.mot.com
WT	3321	S1		Y	IMS Framework Report (work stopped)	IMS-FrWk	TSG	17/04/2001 08:00	14/06/2002 17:00	50%	No	No	22.941		Randolph Wohlert, SBC Technology Resources, Inc. rwohlert@tri.sbc.com
BB	**3322**	**S3**	**Rel-5**	**N**	**Access Security for IMS**	**IMS-ASEC**	TSG	08/10/2001 08:00	28/06/2002 17:00	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 krister.boman@emw.ericsson.se
WT	3324	T3		N	IMS impacts on UICC (ISIM application)			08/10/2001 08:00	21/06/2002 17:00	100%	No	No			Jeremy Norris (Vodafone)
WT	3325	N1		N	SIP extensions for Integrity protection			17/12/2001 08:00	28/06/2002 17:00	100%	No	No		Per 26/2-02: CN1 is not aware of any requirements and is not doing anything on this task.	
BB	**3326**	**S3**	**Rel-5**	**N**	**Security Aspects of Requirement for Network Configuration Independence**	**SEC1-NCI**	TSG	02/07/2001 08:00	28/12/2001 17:00	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 hugh.shieh@attws.com
BB	**3327**	**S3**	**Rel-5**	**Y**	**Lawful interception**	**IMS-LI**	TSG	04/09/2000 08:00	29/03/2002 17:00	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 berthold.wilhelm@regtp.de
BB	**3328**	**S5**	**Rel-5**	**N**	**Charging and OAM&P for IMS**	**IMS-OAM**	TSG	25/12/2000 08:00	12/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**3332**	**S4**	**Rel-5**	**N**	**Multimedia codecs and protocols for conversational PS services**	**IMS-CODEC**	TSG	26/07/2000 08:00	27/09/2002 17:00	100 %	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia pasi.s.ojala@nokia.com
WT	3333	S4		N	Codecs		TSG	26/07/2000 08:00	14/03/2002 17:00	100%	Yes	Yes	26.235, 26.236		
WT	3334	S4	Rel-5	N	Transport protocols	IMS-CODEC		12/03/2002 08:00	12/03/2002 17:00	100%	No	No	26.236		P. Ojala, Nokia

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3336	S4		N	recommendation for QoS parameter values for various media types		TSG	31/12/2001 08:00	27/09/2002 17:00	100%	No	Yes			
WT	3337	N1		N	IETF: RFC 3310 (HTTP Digest Authentication using AKA)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
WT	3338	N1		N	IETF: RFC 3329 (Security mechanism agreement for SIP connections)			24/11/2000 08:00	13/05/2002 17:00	100%	No	No			
BB	**3339**	**S2**	**Rel-5**	**N**	**SIP message compression**			24/09/2001 08:00	07/06/2002 17:00	100 %	No	No			
WT	3340	S2		N	Stage 2			24/09/2001 08:00	26/10/2001 17:00	100%	No	No			
WT	3341	N1		N	Compression signalling			28/09/2001 08:00	07/06/2002 17:00	100%	No	No			
BB	**3342**	**NP**	**Rel-5**	**N**	**Stage 3 description of IMS interfaces**			14/03/2001 08:00	30/08/2002 17:00	99%	No	No			
WT	3343	N4		N	Cx interface (HSS to CSCF)		TSG	14/03/2001 08:00	07/06/2002 17:00	100%	No	No		DAB 12/12/01 to 75%...	
WT	3344	N4		Y	Mp interface (MRFC - MRFP) enhancements			14/03/2001 08:00	08/03/2002 17:00	100%	No	No		[DAB 08-03-02] - No work required in CN4	
WT	3345	N1		N	Mw interface (CSCF to P-CSCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			
WT	3346	N1		N	Mr interface (CSCF to MRF)			14/03/2001 08:00	29/03/2002 17:00	100%	No	No			
WT	3347	N4		Y	Dx interface (I-CSCF to SLF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
WT	3348	N3		N	Go interface (GGSN to PCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No		[DAB - 23/05/03] - 100 % complete	
WT	3349	N1		N	ISC (IMS Service Control) Interface			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			
WT	3350	N4		Y	Sh interface (HSS to AS)			14/02/2002 08:00	07/06/2002 17:00	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
WT	3351	N4		Y	Si interface (HSS to IM-SSF)			16/01/2002 13:00	30/08/2002 17:00	72%	No	No		SA16: Part of Rel5 only if completed in September 02	
WT	3352	N1		N	Gm interface (UE to CSCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			
WT	3353	N1		N	Mi interface (CSCF to BGCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			
WT	3354	N1		N	Mj interface (BGCF to MGCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			
WT	3355	N1		N	Mk interface (BGCF to BGCF)			14/03/2001 08:00	07/06/2002 17:00	100%	No	No			

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**3356**	**N5**	**Rel-5**	**Y**	**Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)**	**IMS-ONOSA**	TSG	21/09/2001 08:00	07/06/2002 17:00	100 %	Yes	Yes	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
BB	**3357**	**N2**	**Rel-5**	**Y**	**CAMEL control of IMS services**	**IMS-CAMEL**		16/04/2001 08:00	06/09/2002 17:00	91%	Yes	Yes		SA16: Part of Rel5 only if Si completed in September 02	Angelica Remoquillo, Lucent
WT	3358	N2		Y	Stage2 work 'general'			16/04/2001 08:00	06/09/2002 17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3359	N2		Y	Stage3 work 'CAP'			07/01/2002 08:00	06/09/2002 17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3360	N2		Y	Stage2 work 'Si interface'			07/01/2002 08:00	06/09/2002 17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3361	N4		Y	Stage3 work 'Si interface'			14/02/2002 08:00	07/06/2002 17:00	100%	No	No		[DAB 08-03-02] - UID 12004 is MASTER of UID 14998...	
WT	3362	N4		Y	SDM issues for CAMEL control of IMS			14/02/2002 08:00	07/06/2002 17:00	0%	No	No		[DAB 08-03-02] - No activity on this in CN4	
BB	**3363**	**S1**	**TBD**	**N**	**Pre-pay/real-time charging in IMS**			15/06/2001 08:00	15/03/2002 17:00	60%	No	No			
BB	**3364**	**S5**	**Rel-5**	**N**	**Charging**	**OAM-CH**	TSG	06/08/2001 08:00	12/09/2002 17:00	100 %	No	No	32.2xy	Changed Rapp email	Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
WT	3365	S2		N	Charging Implications of IMS architecture			06/08/2001 08:00	16/11/2001 17:00	100%	No	No			
WT	3366	S5	Rel-5	N	Charging management for IMS (off-line & on-line)	OAM-CH	TSG	19/11/2001 08:00	12/09/2002 17:00	100%	No	No			
BB	**3367**	**NP**	**Rel-5**	**N**	**Other IETF depencies**			24/11/2000 08:00	07/06/2002 17:00	70%	No	No		Was introduced at SA#13 by Ileana Leuca (exact position in the WP and related WG have to be defined)	
WT	3368	NP		N	IETF: draft-ietf-aaa-diameter - should be CN4			24/11/2000 08:00	07/06/2002 17:00	90%	No	No			
WT	3369	NP		N	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4			24/11/2000 08:00	07/06/2002 17:00	50%	No	No			
BB	**3370**	**MLST**	**Rel-5**	**N**	**Start Testing**			18/03/2002 00:00	18/03/2002 00:00	0%	No	No			
BB	**3371**	**T1**		**N**	**Conformance Test Aspects - Provisioning of IMS**	**IMS-TEST**		18/03/2002 08:00	27/12/2002 17:00	0%	No	No		The task is a building block, individual work items are being considered but are constrained by lack of supporting companies	
BB	**3516**	**T1**	**Rel-5**	**N**	**Testing of support for IMS - prose**		TSG	18/09/2002 08:00	30/09/2003 17:00	0%	No	No	34.108, 34.123		Dan Fox, Anritsu dan.fox@eu.anritsu.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3517**	**T1**	**Rel-5**	**N**	**Testing of support for IMS - TTCN**		TSG	18/09/2002 08:00	03/03/2004 17:00	0%	No	No	34.108, 34.123		Dan Fox, Anritsu dan.fox@eu.anritsu.com
F	**2580**	**S4**	**Rel-5**	**N**	**Extended Transparent End-to-End PS Streaming Service**	**PSS-E**	TSG	03/01/2002 08:00	17/03/2003 17:00	75%	No	No	26.233, 26.234		O. Franceschi, Ericsson olle.franceschi@nrj.ericsson.se
BB	**2581**	**S1**		**N**	**Stage 1**		TSG	18/11/2002 08:00	17/03/2003 17:00	74%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc stephen.wolak@vodafone.com
WT	3564	S1		N	Interaction with other services		TSG	18/11/2002 08:00	17/03/2003 17:00	65%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc stephen.wolak@vodafone.com
BB	**2582**	**S4**		**N**	**Stage 2 (version Rel5 of TS 26.234)**		TSG	03/01/2002 08:00	14/03/2002 17:00	100 %	No	No	26.234	2nd resp SA2	
BB	**3120**	**S4**		**N**	**RTP usage model**			03/01/2002 08:00	06/12/2002 17:00	90%	No	No	26.937		
F	**3372**	**S1**	**NA**	**Y**	**Rel-5 OSA enhancements**	**OSA1**	TSG	11/07/2000 08:00	20/12/2002 17:00	92%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
BB	**3373**	**S2**		**N**	**General Stage 2 for Rel5**			11/09/2001 08:00	07/06/2002 17:00	33%	No	No			
BB	**3374**	**S2**	**Rel-5**	**N**	**OSA APIs for Multimedia Call Control**	**OSA1-CSCF**	TSG	11/07/2000 08:00	07/06/2002 17:00	100 %	No	No		For Rel5 even if completed by March	
WT	3375	S1		N	Stage 1		TSG	11/07/2000 08:00	14/03/2002 17:00	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG Manfred.leitgeb@siemens.at
WT	3376	N5		N	(Multimedia) Call Control - Stages 2 and 3		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-04		
BB	**3381**	**N5**	**Rel-5**	**N**	**Generic user interaction - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100 %	No	No	29.198-05		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3382**	**N5**	**Rel-5**	**N**	**Charging - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100 %	No	No	29.198-12		
BB	**3385**	**N5**	**Rel-5**	**N**	**Call Control Service Mapping; Multiparty Call Control SIP - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100 %	No	No	29.998-04-4		
BB	**3386**	**N5**	**Rel-5**	**N**	**WSDL APIs for SOAP/HTTP - Stage 3**		TSG	11/09/2000 08:00	07/06/2002 17:00	100 %	No	No	29.198, 29.998		
BB	**3391**	**S3**	**Rel-5**	**N**	**OSA security**	**OSA1-SEC**	TSG	11/07/2000 08:00	20/12/2002 17:00	93%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT colin.blanchard@bt.com
WT	3392	S1		N	Stage 1		TSG	11/07/2000 08:00	09/11/2001 17:00	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG Manfred.leitgeb@siemens.at
WT	3393	S3		N	Stage 3		TSG	23/10/2000 08:00	14/06/2002 17:00	80%	No	No	???	??	
WT	3394	N5		N	security related SCF(s) definition		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
WT	3395	S3		N	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		TSG	11/09/2000 08:00	14/12/2000 17:00	100%	No	No	???		
WT	3654	S3		N	Security (moved from Rel-6)		TSG	14/03/2002 08:00	20/12/2002 17:00	100%	No	No		Contribution at S3#25	
BB	**3397**	**S2**	**Rel-5**	**N**	**Interactions OSA - e-commerce**	**OSA1-ECOM**	TSG	11/07/2000 08:00	07/06/2002 17:00	97%	No	No			
WT	3398	S1		N	Stage 1		TSG	11/07/2000 08:00	14/03/2002 17:00	95%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3399	N5		N	Stages 2 and 3		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
BB	**2840**	**N5**	**Rel-5**	**N**	**Policy Management - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100 %	No	No	29.198-13		
BB	**2841**	**N5**	**Rel-5**	**N**	**Presence and Availability Management (PAM) - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100 %	No	No	29.198-14		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3400**	**S1**	**Rel-5**	**N**	**CHECK STATUS - LCS - OSA interfaces**	**OSA1-LCSI**	TSG	11/09/2000 08:00	07/06/2002 17:00	46%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
WT	3401	S1		N	Stage 1		TSG	11/09/2000 08:00	08/12/2000 17:00	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3402	S2		N	Stage 2		TSG	11/12/2000 08:00	11/12/2000 17:00	100%	No	No	23.127	az 24/05/01: Rel4 completion 90->100%.	Christophe GOURRAUD, Ericsson Canada
WT	3403	N5		N	Stage 3		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
BB	**3648**	**S1**		**N**	**Access to User Profile**	**OSA2-UP**	TSG	01/06/2001 08:00	20/12/2001 17:00	100 %	No	No			
BB	**3650**	**S2**		**N**	**Retrieval of Terminal capabilities**	**OSA2-TC**	TSG	11/07/2000 08:00	13/12/2002 17:00	100 %	No	No			
WT	3651	S1		N	Stage 1		TSG	11/07/2000 08:00	10/01/2001 17:00	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3652	N5		N	Stages 2 and 3		TSG	21/09/2001 08:00	13/12/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
WT	3653	T2		N	Provisionning of the terminal capabilities		TSG	02/04/2001 08:00	13/12/2002 17:00	100%	No	No	23.057	According to T2 SWG1 M. Cataldo this is automatically supported by the MExE support of UAProf therefore 100% complete	
F	**1638**	**S1**	**Rel-5**	**N**	**CAMEL phase 4**	**CAMEL 4**	WG	17/04/2000 08:00	06/09/2002 17:00	88%	No	No			Keijo Palviainen, Nokia keijo.palviainen@nokia.com
BB	**1461**	**S1**		**N**	**Service requirements**		WG	17/04/2000 08:00	14/06/2002 17:00	100 %	No	No			
BB	**2012**	**N2**		**N**	**Call Party Handling**	**CAMEL4-CPH**	WG	10/07/2000 08:00	07/06/2002 17:00	100 %	No	No			
BB	**2013**	**N2**		**N**	**Mid call procedure for MO and MT calls**	**CAMEL4-MCP**	WG	17/07/2000 08:00	07/06/2002 17:00	100 %	No	No			
BB	**2014**	**N2**		**N**	**Interactions with Optimal Routing**	**CAMEL4-IOR**	WG	17/07/2000 08:00	08/03/2002 17:00	100 %	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2015	N2		N	Inclusion of flexible tone injection	CAMEL4 -IFTI	WG	17/07/2000 08:00	08/03/2002 17:00	100 %	No	No			
BB	2016	N2		N	CSE control over MT SMS	CAMEL4 -CCSMS	WG	17/07/2000 08:00	08/03/2002 17:00	100 %	No	No			
BB	2460	N2		N	Notification of GPRS mobility management to CSE	CAMEL4 -NMM	WG	02/03/2001 08:00	07/06/2002 17:00	100 %	No	No			
BB	2458	N2		N	Provision of location information of called subscriber	CAMEL4 -LOCB	WG	02/03/2001 08:00	08/03/2002 17:00	100 %	No	No			
BB	2514	N2		N	Inclusion of ODB data in the CSE_HLR interface	CAMEL4 -ODB	WG	09/07/2001 08:00	08/03/2002 17:00	100 %	No	No		Added on May 29, 2001	
BB	2515	N2		N	Location information during an ongoing call (Handover DP)	CAMEL4 -HODP	WG	14/05/2001 08:00	07/06/2002 17:00	100 %	No	No			
BB	2516	N2		N	GPRS Any Time Interrogation	CAMEL4 -ATI	WG	09/07/2001 08:00	07/06/2002 17:00	100 %	No	No			
BB	3113	N2		N	Transfer of IMEI (with SW version) to CSE	CAMEL4 -ATI	WG	09/07/2001 08:00	07/06/2002 17:00	100 %	No	No			
BB	3192	N2		N	Handling of partial implementations of CAMEL4	CAMEL4 -SUB	WG	08/03/2002 08:00	06/09/2002 17:00	100 %	No	No		stage2 and stage3 CRs for approval at CN#17	
F	2464	T2	Rel-5	N	Rel-5 MExE enhancements	MEXE5	TSG	26/03/2001 08:00	08/03/2002 17:00	100 %	Yes	Yes			
BB	2466	T2		N	MExE Rel-5 Improvements and Investigations	MEXE5-ENHANC	TSG	26/03/2001 08:00	08/03/2002 17:00	100 %	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
F	1625	S4	Rel-5	N	Wideband Telephony Service - AMR	AMRWB	TSG	01/01/2000 08:00	19/12/2003 17:00	79%	No	No			Imre Varga, Siemens AG Imre.Varga@mch.siemens.de
BB	62	S4		N	Specification			01/01/2000 08:00	12/09/2002 17:00	99%	No	No			
WT	2686	S1		N	Stage 1			01/10/2001 08:00	22/03/2002 17:00	100%	No	No			
WT	2685	S4		N	Stage 2			03/01/2000 08:00	17/04/2000 17:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1459	S4		N	Design Constraints			03/01/2000 08:00	07/02/2000 17:00	100%	No	No			
WT	1460	S4		N	General Description			07/02/2000 08:00	17/04/2000 17:00	100%	No	No			
WT	1626	S4		N	Feasibility Study		TSG	28/04/2000 08:00	02/06/2000 17:00	100%	No	Yes	TR 26.901	S4,TD SP-000024: TR 26.901 v.4.0.0	
WT	1656	N1		N	N1 Aspects		TSG	21/09/2001 08:00	21/12/2001 17:00	100%	No	No		Some of N1 tasks: Indication of supported codecs by the MS, Bearer cap negociation, codec indication to MS.....	
WT	2759	N4		N	N4 work		TSG	13/02/2002 08:00	07/06/2002 17:00	100%	No	No		CN4#11 30/11/01: No inputs to CN4 at this meeting...	
WT	67	S4		N	Codec issues			03/01/2000 08:00	12/09/2002 17:00	99%	No	No			
WT	1627	S4		N	Codec qualification		TSG	01/02/2000 08:00	30/05/2000 17:00	100%	No	Yes			
WT	74	S4		N	Codec selection tests			01/06/2000 08:00	20/10/2000 17:00	100%	No	No			
WT	891	S4		N	Codec selection			23/10/2000 08:00	27/10/2000 17:00	100%	No	No			
WT	2739	S4		Y	TFO AMR-WB	AMRWB-TFO		18/12/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	890	S4		N	Other codec issues (verif., caracterisation)			29/09/2000 08:00	07/06/2002 17:00	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	
WT	2740	S4		N	AMR-WB and narrrowband interworking	AMRWB-IWG		27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2741	S4		N	Interworking with fixed broadband networks			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2742	S4		N	Tones and announcements			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2743	S1		N	WB Conferencing and WB Voice Group calls (deleted)			03/01/2000 08:00	03/01/2000 17:00	0%	No	No			
WT	2744	S5	Rel-5	N	Billing, accounting and call detail record aspects			27/09/2001 08:00	12/09/2002 17:00	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
WT	1989	MLST		N	Start Testing			25/02/2002 00:00	25/02/2002 00:00	0%	No	No			
WT	1855	T1		N	Conformance tests (CRs to 34 series)			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	76	S4		N	Terminal Acoustic Characteristics			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	1628	S4		N	Definition		TSG	01/01/2000 08:00	31/01/2000 17:00	100%	No	Yes	26.131		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1629	S4		N	Test specification		TSG	01/02/2000 08:00	12/04/2000 17:00	100%	No	Yes	26.132		
BB	**2725**	**S4**		**N**	**Floating-point ANSI-C code for the AMR-WB speech codec**	**AMRWB-FP**	TSG	25/09/2001 08:00	14/03/2002 17:00	100 %	No	No	TS 26.204		J. Vainio (Nokia) janne.m.vainio@nokia.com
BB	**80**	**GP**		**N**	**Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR**	**GAMRWB**	TSG	03/01/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	3191	GP		N	Channel coding in 45.003		TSG	03/01/2000 08:00	05/04/2002 17:00	100%	No	No			
WT	2266	GP		N	Signalling for the A interface		TSG	03/01/2000 08:00	29/06/2001 17:00	100%	No	No			
WT	2267	GP		N	Signalling for Iu		TSG	03/01/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2268	GP		N	Receiver performance in TS 45.005		TSG	02/04/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	2749	GP		N	Link Adaptation in 45.009			26/03/2001 08:00	28/06/2002 17:00	100%	No	No			
BB	**2269**	**GP**		**N**	**GERAN MS conformance test for AMR-WB**		TSG	03/01/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2270	GP		N	MS test		TSG	03/01/2000 08:00	19/12/2003 17:00	0%	No	No			
BB	**2271**	**GP**		**N**	**GERAN BTS conformance test for AMR-WB**		TSG	03/01/2000 08:00	02/12/2002 17:00	100 %	No	No			
WT	2272	GP		N	BTS test		TSG	03/01/2000 08:00	02/12/2002 17:00	100%	No	No			
F	**1826**	**T2**	**NA**	**Y**	**Terminal interfaces**	**TI**		14/05/2001 08:00	20/03/2002 17:00	100 %	No	No			
BB	**2573**	**T2**	**Rel-5**	**N**	**Terminal local model enhancements**	**TLM5**	TSG	14/05/2001 08:00	20/03/2002 17:00	100 %	No	Yes	23.227		
F	**1536**	**S2**	**Rel-5**	**N**	**Rel-5 Location Services enhancements**	**LCS1**	TSG	03/04/2000 08:00	27/06/2003 17:00	84%	No	No			Jan Kall, Nokia
BB	**1600**	**RP**	**NA**	**N**	**UE positioning**	**LCS1-UEpos**	TSG	15/01/2001 08:00	29/03/2002 17:00	97%	Yes	Yes			
WT	2474	R2	Rel-5	N	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	09/04/2001 08:00	29/03/2002 17:00	100%	No	No			Xiaohua Mei, CATT

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2125	R2	Rel-5	N	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	15/01/2001 08:00	12/10/2001 17:00	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
BB	**1171**	**S1**	**Rel-5**	**N**	**Event based and Periodic LCS**	**LCS1-EBP**		22/05/2000 00:00	07/06/2002 17:00	88%	No	No			
WT	1641	S1		N	Stage 1			22/05/2000 00:00	17/11/2000 17:00	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 rwohlert@tri.sbc.com
WT	1538	S2		N	Stage 2 specification			06/11/2000 08:00	26/01/2001 17:00	51%	No	No			
WT	1179	N4		N	Impact on MAP			15/03/2002 08:00	07/06/2002 17:00	100%	No	No		Possible impact on UTRAN of LCS quality level request...	
BB	**2436**	**GP**	**Rel-5**	**N**	**Location Services for GERAN in A/Gb Mode**	**LCS-GERAN**	TSG	03/04/2000 08:00	08/02/2002 17:00	100 %	No	No			
WT	2437	GP;S2; G1;G2		N	GERAN LCS Stage 2 (first release)		TSG	03/04/2000 08:00	08/02/2002 17:00	100%	No	No			
WT	2438	GP		N	Gb interface support for LCS		TSG	03/04/2000 08:00	31/08/2001 17:00	100%	No	No			
WT	2440	GP		N	L3 protocol support for LCS		TSG	03/04/2000 08:00	01/06/2001 17:00	100%	No	No			
WT	2441	GP		N	Stage 3 specifications		TSG	03/04/2000 08:00	01/06/2001 17:00	100%	No	No			
BB	**2442**	**GP**	**Rel-5**	**N**	**Location Services for GERAN in Iu Mode**		TSG	03/04/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	2443	GP;R2; R3;S2; G1;G2		N	GERAN LCS Stage 2		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2444	GP;R2; R3;S2; G1;G2		N	Iu-ps interface support for LCS		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2445	GP;R2; R3;S2; G1;G2		N	Iu-cs interface support for LCS		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2446	GP;R2; R3;S2; G1;G2		N	Iur-g interface support for LCS		TSG	23/01/2002 13:00	19/04/2002 17:00	100%	No	No		FFS	
WT	2447	GP;R2; R3;S2; G1;G2		N	RRC protocol support for LCS		TSG	20/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	2448	GP;R2; R3;S2; G1;G2		N	Additional impacts on Broadcast of LCS data on packet channels		TSG	20/08/2001 08:00	05/12/2001 12:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2449	GP;R2; R3;S2; G1;G2		N	Stage 3 specifications		TSG	25/03/2002 13:00	28/06/2002 17:00	100%	No	No			
BB	**3131**	**GP**		**N**	**GERAN MS Conformance test for LCS**	**LCS-GERAN-MSconf**		03/06/2002 08:00	27/06/2003 17:00	60%	No	No		On-going	
WT	3132	G4;G5		N	Develop LCS MS test case work plan (Release 98/99/4)			03/06/2002 08:00	27/06/2003 17:00	60%	No	No			
WT	3133	G4;G5		N	Develop LCS MS test cases			03/06/2002 08:00	27/06/2003 17:00	60%	No	No			
BB	**3134**	**GP**		**N**	**GERAN BTS Conformance test for LCS**	**LCS-GERAN-BTSconf**		03/06/2002 08:00	27/06/2003 17:00	0%	No	No		Not started	
WT	3135	G4;G5		N	Develop LCS BTS test case work plan (Release 98/99/4)			03/06/2002 08:00	27/06/2003 17:00	0%	No	No			
WT	3136	G4;G5		N	Develop LCS BTS test cases			03/06/2002 08:00	27/06/2003 17:00	0%	No	No			
BB	**544**	**S2**		**N**	**LCS interoperation stage 2 aspects**			28/08/2000 08:00	28/06/2002 17:00	17%	No	No			
BB	**2434**	**GP**	**Rel-5**	**N**	**LCS interoperability aspects to GERAN**	**LCS-GERAN**	TSG	28/08/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	2435	GP;S2; S5;R2; R3;G2; G1		N	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN	LCS-GERAN	TSG	28/08/2000 08:00	28/06/2002 17:00	100%	No	No			
BB	**1183**	**S1**		**N**	**FS on LCS support in the IMS**			12/02/2001 08:00	18/01/2002 17:00	75%	No	No			
BB	**519**	**S5**	**Rel-5**	**N**	**Charging and OAM&P for LCS enhancements**	**LCS1-OAM**	TSG	21/09/2001 08:00	28/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**521**	**S3**	**Rel-5**	**N**	**New security aspects of LCS (not identified)**	**LCS1-SEC**		14/04/2000 08:00	28/12/2001 17:00	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 valtteri.niemi@nokia.com
BB	**2809**	**S2**	**Rel-5**	**N**	**Specification for the Le Interface**	**LCS1-Le**	TSG	14/01/2002 08:00	15/03/2002 17:00	100 %	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3193**	**S2**		**N**	**CHECK STATUS - Inter-GMLC interface**			30/05/2002 08:00	30/12/2002 17:00	0%	No	No			
F	**3415**	**S3**	**NA**	**N**	**Rel-5 Security enhancements**	**SEC1**	TSG	21/02/2000 08:00	28/06/2002 17:00	95%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**3420**	**S3**	**Rel-5**	**N**	**Network domain security**	**SEC1-NDS**	TSG	21/02/2000 08:00	28/06/2002 17:00	94%	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 Geir-myrdahl.koien@telenor.com
WT	3421	S3		N	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)			12/05/2000 08:00	07/06/2002 17:00	80%	No	No			
WT	3422	S3		N	Main aspects			12/05/2000 08:00	21/06/2001 17:00	100%	No	No		TO BE DELETED	
WT	3423	N4		N	Integration of GTP signalling security architecture			14/09/2001 08:00	07/06/2002 17:00	100%	No	No		Waiting for input from SA3!...	
WT	3424	S3		N	User plane protection in core network (e.g., provided by IPsec)			21/02/2000 08:00	28/06/2002 17:00	98%	No	No		TO BE DELETED	
WT	3425	S3		N	Main aspects			21/02/2000 08:00	21/06/2001 17:00	100%	No	No		??	
WT	3426	N4		N	Integration of GTP signalling security architecture			14/09/2001 08:00	28/06/2002 17:00	95%	No	No		14/02/2002 requirements are not clear/not received...	
WT	3427	S3		N	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	15/06/2000 08:00	15/03/2002 17:00	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 Geir-myrdahl.koien@telenor.com
F	**2243**	**S2**	**Rel-5**	**N**	**Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	**IUFLEX**	TSG	02/10/2000 08:00	28/06/2002 17:00	100 %	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson
BB	**2244**	**S2**		**N**	**Overall System Architecture**		TSG	03/01/2001 08:00	21/09/2001 17:00	100 %	No	No			
BB	**2628**	**R3**		**N**	**Stage 3: RAN node selecting CN node**		TSG	24/09/2001 08:00	22/03/2002 17:00	100 %	No	No		Not identified	Brendan McWilliams, Vodafone
BB	**2756**	**N1**		**N**	**N1 work**		TSG	17/09/2001 08:00	28/06/2002 17:00	100 %	No	No	24.008 and check 29.018		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2757**	**N4**		**N**	**N4 work**		TSG	02/10/2000 08:00	08/03/2002 17:00	100 %	No	No		DAB 12.12.01 - % complete to 66%...	
BB	**3185**	**GP**	**Rel-5**	**N**	**GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	**IDCRAN-GERAN**		08/02/2002 08:00	28/06/2002 17:00	100 %	No	No		Accept changes Gb over IP	Ingemar Backlund, Ericsson ingemar.backlund@era.ericsson.se
WT	3186	G1		N	Stage 2 (changes to)			08/02/2002 08:00	28/06/2002 17:00	100%	No	No			
WT	3187	G1		N	43.051 Introduction of support for IDNNS in GERAN Iu mode			08/02/2002 08:00	28/06/2002 17:00	100%	No	No			
WT	3188	G2		N	Stage 3 (changes to)			08/02/2002 08:00	28/06/2002 17:00	100%	No	No			
WT	3189	G2		N	48.016 Use of Gb interface concepts when a network applies IDNNS			08/02/2002 08:00	28/06/2002 17:00	100%	No	No		Closed, accept changes for Gb over IP	
WT	3190	G2		N	48.018 Include MSC/VLR identity in CS IMSI paging			08/02/2002 08:00	28/06/2002 17:00	100%	No	No			
F	**2320**	**GP**	**Rel-5**	**N**	**GERAN improvements 3 (new transport layer on interface A)**	**GEIMP3**	TSG	06/04/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
BB	**2321**	**GP**		**N**	**Evolution of the transport for A**	**GEIMP3-EtA**	TSG	06/04/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2322	GP		N	Definition of a new A/Ater interface Transport Layer option based on the Iu Interface Transport Layer		TSG	06/04/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2323	GP		N	Adaptation of the Layer 3 BSSMAP procedures as required		TSG	06/04/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
F	**3444**	**S5**	**NA**	**N**	**Rel-5 Charging and OAM&P**	**OAM**	TSG	10/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**3445**	**S5**	**Rel-5**	**N**	**Rel5 Principles, high level Requirements and Architecture**	**OAM-AR/PR**	TSG	17/09/2001 08:00	28/06/2002 17:00	100 %	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola) Michael.Truss@MOTOROLA.COM

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3446	S5	Rel-5	N	Rel5 Performance Management	OAM-PM	TSG	17/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks) toche@NORTELNETWORKS.COM
BB	3447	S5	Rel-5	N	Rel5 Charging Management	OAM-CH	TSG	10/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
BB	3448	S5	Rel-5	N	Rel5 Network Infrastructure Management	OAM-NIM	TSG	21/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson) Thomas.Tovinger@emw.ericsson.se
F	2392	GP	Rel-5	N	GERAN enhancements for streaming services 1 (RLC enhancements)			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2394	GP		N	Concept			06/11/2000 08:00	31/10/2001 17:00	100 %	No	No			
BB	2395	GP		N	RLC protocol enhancement (SDU Discard)			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
F	2396	GP	Rel-5	N	GERAN enhancements for streaming services 2 (usage of ECSD)			06/11/2000 08:00	28/06/2002 17:00	83%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
BB	2398	GP		N	Usage of ECSD Concept			06/11/2000 08:00	19/04/2002 17:00	100 %	No	No			
BB	2399	GP		N	Stage 2			06/11/2000 08:00	19/04/2002 17:00	100 %	No	No			
BB	2400	GP		N	Stage 3			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2401	GP		N	RLC PDU formats			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2402	GP		N	MAC header			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
F	2412	GP;R3	Rel-5	N	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GERUEV1		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2413**	**GP;R3**		**N**	**Evolution of Iu ps**	**GERUEV1-IuPS**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	2414	GP;R3		N	Identification of GERAN requirements on Iu ps			01/09/2000 08:00	30/11/2001 17:00	100%	No	No			
WT	2415	GP;R3		N	Update of specifications			03/12/2001 08:00	28/06/2002 17:00	100%	No	No			
F	**2416**	**GP;R3**	**Rel-5**	**N**	**GERAN/UTRAN interface evolution 2 (evolution of Iu CS)**	**GERUEV2**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	**2417**	**GP;R3**		**N**	**Evolution of Iu cs**	**GERUEV2-IuCS**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No		Lucent, Ericsson, AWS, Nortel	Krishna Balachandran, Lucent
WT	2418	GP;R3		N	Identification of GERAN requirements on Iu cs			01/09/2000 08:00	19/04/2002 17:00	100%	No	No			
WT	2419	GP;R3		N	Update of specifications			01/09/2000 08:00	28/06/2002 17:00	100%	No	No			
F	**2556**	**S2**	**Rel-5**	**N**	**End to End QoS for PS Domain including IMS**	**E2EQoS**	TSG	28/08/2000 08:00	28/06/2002 17:00	97%	No	No			Johnson Oyama, Ericsson Johnson.oyama@era.ericcson.se
BB	**2557**	**S2**		**N**	**E2E QoSConcept and Architecture**		TSG	03/01/2001 08:00	07/09/2001 17:00	100 %	No	No	23.207		
BB	**2558**	**N3**		**N**	**E2E QoS interworking**	**E2EQoS-IW**	WG	28/08/2000 08:00	07/06/2002 17:00	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 yokota@lucent.com
BB	**2559**	**S5**	**Rel-5**	**N**	**QoS Management (Provisioning and Monitoring)**	**E2EQoS-OAM**	TSG	21/09/2001 08:00	28/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
F	**2569**	**T2**	**Rel-5**	**N**	**Messaging enhancements Rel-5**	**MESS5**	TSG	15/06/2001 08:00	31/03/2003 17:00	67%	No	Yes		support of UAProf, so this in my opinion is 100% complete	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2571**	**T2**		**N**	**Multimedia Messaging (MMS) enhancements**	**MESS5-MMS**	TSG	15/06/2001 08:00	31/03/2003 17:00	62%	No	Yes			Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	2590	S1	Rel-5	N	Definition of service requirements	MESS5-SR		15/06/2001 08:00	15/03/2002 17:00	100%	No	No	22.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	2591	T2		N	Technical realization			15/06/2001 08:00	07/06/2002 17:00	100%	No	No	23.140	stage 3 MM7 is missing	Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	3199	T2		N	WAP Forum dependency: MM1 stage 3			15/06/2001 08:00	31/03/2003 17:00	80%	No	No			
WT	2800	S4		N	MMS formats and codecs			03/12/2001 08:00	15/03/2002 17:00	100%	No	No	26.140		
BB	**2572**	**T2**		**N**	**Enhanced Messaging Service (EMS) enhancements**	**MESS5-EMS**	TSG	15/06/2001 08:00	08/03/2002 17:00	58%	No	Yes	23.040		Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
WT	2592	S1		N	Definition of service requirements			15/06/2001 08:00	14/09/2001 17:00	100%	No	No			Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
WT	2593	T2		N	Technical realization			15/06/2001 08:00	08/03/2002 17:00	100%	No	No	23.040		Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
F	**2619**	**GP**	**Rel-5**	**N**	**GERAN Inter BSC NACC improvements over the Gb Interface**	**GERNACC**		03/09/2001 08:00	28/06/2002 17:00	100 %	No	No			
BB	**2620**	**N4;S2**		**N**	**Modification of core network protocols for GERAN Inter BSC NACC over Gb Interface**	**GERNACC-Cnmod**		03/09/2001 08:00	19/04/2002 17:00	100 %	No	No			
WT	2621	N4;S2		N	Stage 2 - Concept			03/09/2001 08:00	31/10/2001 17:00	100%	No	No			
WT	2622	N4;S2		N	Stage 2 - 23.060 change - Definition of Inter BSC NACC			03/09/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	2623	N4		N	Stage 3 (changes to TS 29.060)			03/09/2001 08:00	08/03/2002 17:00	100%	No	No		IP 30/11/01: Input awaited from GERAN2 to CN4...	
BB	**2624**	**GP**		**N**	**Modification of Gb protocols for GERAN Inter BSC NACC over Gb Interface**	**GERNACC-Gbmod**		30/11/2001 08:00	28/06/2002 17:00	100 %	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2625	GP		N	Stage 3 (changes to TS 48.018)			30/11/2001 08:00	28/06/2002 17:00	100%	No	No			
F	**2789**	**GP**	**Rel-5**	**N**	**Enhanced Power Control**	**EPC**		26/11/2001 08:00	19/12/2003 17:00	0%	No	No			
BB	**2790**	**GP**		**N**	**Realization of Enhanced power control and signaling support**			26/11/2001 08:00	30/11/2001 17:00	100 %	No	No		Ready	
BB	**2791**	**GP**		**N**	**GERAN MS Conformance test for Enhanced Power Control**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
BB	**2792**	**GP**		**N**	**GERAN BTS Conformance test for Enhanced Power Control**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
F	**2793**	**GP**	**Rel-5**	**N**	**8PSK AMR HR**	**8PSK-AH**		10/12/2001 08:00	19/12/2003 17:00	74%	No	No		Completed for Rel-5	
BB	**2794**	**GP**		**N**	**Definition of channel coding, performance requirements and signaling support**			10/12/2001 08:00	28/06/2002 17:00	100 %	No	No			
WT	3150	GP		N	Concept			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3151	G2		N	Changes to 44.018			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3152	G1		N	Changes to 45.001			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3153	G1		N	Changes to 45.002			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3154	G1		N	Changes to 45.003			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3155	G1		N	Changes to 45.005			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3156	G2		N	Changes to 24.008			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3157	G2		N	Changes to 48.058			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
BB	**2795**	**GP**		**N**	**GERAN MS Conformance test for 8PSK HR**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2796**	**GP**		**N**	**GERAN BTS Conformance test for 8PSK HR**			10/12/2001 08:00	20/12/2002 17:00	100 %	No	No			
F	**2602**	**N3**	**Rel-5**	**N**	**Service Change and UDI Fallback**	**SCUDIF**	WG	08/10/2001 08:00	07/06/2002 17:00	100 %	No	No	29.007, 27.001, 24.008	[DAB - 23/05/03] - 100 % complete some issues with CAMEL	Rune Werner Wiik, Ericsson AS Rune.Werner.Wiik@ericsson.no
F	**3449**	**T3**	**NA**	**N**	**Rel-5 USIM toolkit enhancements**	**USAT1**		05/06/2000 08:00	26/09/2003 17:00	56%	No	No			
BB	**3450**	**T3**		**N**	**Test specification for USIM toolkit security mechanims**			28/05/2002 08:00	26/09/2003 17:00	0%	No	No			Sophie Viallet (Gemplus)
BB	**3451**	**T3**	**Rel-5**	**N**	**Protocol Standardisation of a SIM Toolkit Interpreter**	**USAT1-Interpr**	TSG	05/06/2000 08:00	22/01/2003 17:00	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
WT	3452	T3		N	Stage 1		TSG	05/06/2000 08:00	16/03/2001 17:00	100%	No	No		5/10/2001: Stage one comepeted at TP-12.	
WT	3453	T3		N	Stage 2 and 3		TSG	03/01/2001 08:00	08/03/2002 17:00	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.	
WT	3454	T3		N	Test specification		TSG	03/09/2001 08:00	22/01/2003 17:00	12%	No	No		5/10/2001: Work started on test specification	Gérald MAUNIER (Gemplus)
BB	**3410**	**T3**	**NA**	**Y**	**(U)SIM API**	**USAT1-API**		20/03/2002 08:00	20/09/2002 17:00	100 %	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
WT	3411	T3		N	Java API Test specification			20/03/2002 08:00	20/09/2002 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
F	**2808**	**Generic**	**Rel-5**	**N**	**small Technical Enhancements and Improvements for Rel5**	**TEI5**	TSG	25/12/2000 08:00	22/03/2002 17:00	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	
F	**3523**	**S1**	**Rel-5**	**N**	**Technical Report on UE Functionality Split (Work stopped)**	**UESPLIT**	TSG	03/01/2000 08:00	01/05/2000 17:00	0%	No	No			Sanjay Gupta, Motorola sanjay.gupta@motorola.com
F	**2520**	**S5**	**NA**	**N**	**User Equipment Management**	**UEM**	TSG	21/06/2001 08:00	28/06/2002 17:00	100 %	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone) john.mudge@vf.vodafone.co.uk

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2583**	**S5**	**Rel-5**	**N**	**FS on User Equipment (UE) Management**	**OAM-UEM**	TSG	21/06/2001 08:00	28/06/2002 17:00	100 %	No	No	32.802		John Mudge (Vodafone) john.mudge@VF.VODAFONE.CO.UK
F	**3234**	**GP**	**Rel-5**	**N**	**Flow control supporting an MS with multiple data flows with different QoS over the Gb interface**	**FlowCon**	TSG	24/06/2002 08:00	30/08/2002 17:00	100 %	No	No			Ingemar Backlund, Ericsson
BB	**3235**	**GP**		**N**	**Update of stage 2 specifications**		TSG	24/06/2002 08:00	30/08/2002 17:00	100 %	No	No			
WT	3236	S2		N	Concept document 23.060 (changes to)			28/06/2002 08:00	30/08/2002 17:00	100%	No	No			
WT	3237	GP		N	Flow Control			24/06/2002 08:00	28/06/2002 17:00	100%	No	No			
BB	**3238**	**GP**		**N**	**Modification of BSSGP protocol**		TSG	24/06/2002 08:00	28/06/2002 17:00	100 %	No	No			Ingemar Backlund, Ericsson
WT	3239	G2		N	Stage 3 (changes to 48.018)			24/06/2002 08:00	28/06/2002 17:00	100%	No	No			
F	**3161**	**GP**	**Rel-5**	**N**	**Multiple TBF in A/Gb mode**	**MULTBF**	TSG	19/04/2002 08:00	28/11/2003 17:00	16%	No	No			Gunnar Mildh, Ericsson gunnar.mildh@era.ericsson.se
BB	**3162**	**GP**		**N**	**Multiple TBF in A/Gb mode**	**MULTBF-Agbmode**		19/04/2002 08:00	22/08/2003 17:00	26%	No	No		Started	
WT	3163	GP		N	Multiple TBF Concept paper			19/04/2002 08:00	22/08/2003 17:00	50%	No	No			
WT	3164	G1		N	Multiple TBF Stage 2 (43.064) CRs			19/04/2002 08:00	22/11/2002 17:00	0%	No	No			
WT	3165	G2		N	Multiple TBF Stage 3 (44.060) CRs			19/04/2002 08:00	22/11/2002 17:00	0%	No	No			
BB	**3223**	**GP**		**N**	**Multiple TBF in A/Gb mode – MS testing**			24/06/2002 08:00	28/11/2003 17:00	0%	No	No			Ingemar Backlund, Ericsson
WT	3224	G4		N	MS conformance tests			24/06/2002 08:00	28/11/2003 17:00	0%	No	No		Not started	
F	**2345**	**GP**	**Rel-5**	**N**	**Alignment of 3G functional split and Iu**	**GER3GAL**	TSG	08/06/2000 08:00	19/12/2003 17:00	76%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**2346**	**GP**		**N**	**GERAN user / control plane**	**GER3GAL-GUCOPL**	TSG	07/08/2000 08:00	30/08/2002 17:00	89%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
WT	2347	GP		N	Alignment with UMTS bearer concept		TSG	07/08/2000 08:00	30/08/2002 17:00	90%	No	No			
WT	2607	GP		N	Enhanced power control		TSG	31/08/2001 08:00	31/08/2001 17:00	100%	No	No			
WT	2423	GP		N	Stage 2		TSG	07/08/2000 08:00	29/06/2001 17:00	100%	No	No			
WT	2348	GP		N	Adoption of the UTRAN PDCP		TSG	06/11/2000 08:00	21/12/2001 17:00	100%	No	No		Responsible is GERAN; RAN WG2 help may be needed.	
WT	3137	GP		N	Development of RLC / MAC		TSG	31/08/2001 08:00	30/08/2002 17:00	100%	No	No			
WT	3138	GP		N	Development of GERAN RRC		TSG	22/06/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3139	GP		N	Ciphering and integrity protection concept paper		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3140	GP		N	Multiple TBF or equivalent Concept paper		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3141	GP		N	Paging concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3142	GP		N	Dedicated Physical subchannels, includes traffic and control channels		TSG	31/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	3143	GP		N	Iu support and broadcast concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3144	GP		N	Impact of using RLC instead of LAPDm concept		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3145	GP		N	Contention resolution, mobile station identity, and access concept		TSG	31/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	3146	GP		N	PDCP concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3147	GP		N	Downlink delayed TBF release		TSG	31/08/2001 08:00	30/08/2002 17:00	100%	No	No			
WT	3148	GP		N	Add transparent RLC Concept		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3149	GP		N	Handover concept			31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	2424	GP		N	Physical layer alignment with UMTS bearer concept		TSG	06/11/2000 08:00	30/11/2001 17:00	77%	No	No			
WT	2356	GP		N	PDTCH/TCH in 45.003		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2357	GP		N	Control channels in 45.003		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2358	GP		N	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG	06/11/2000 08:00	30/11/2001 17:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2359**	**GP;RP**		**N**	**Iu rg interface**	**GER3GAL-Iurg**	TSG	06/11/2000 08:00	28/06/2002 17:00	94%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
WT	2425	GP;RP		N	Inter BSS interface			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2360	GP		N	Identification of requirements			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2361	GP		N	Stage 2			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2362	GP		N	Adoption of relevant parts from Iur			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2363	GP		N	Complementation with GERAN specifics			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2364	GP		N	Stage 3			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2426	GP;RP		N	Inter BSS-RNS interface			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2365	GP;R3		N	Identification of requirements			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2366	GP;R3		N	Stage 2			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2367	GP;R3		N	Adoption of relevant parts from Iur			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2368	GP;R3		N	Complementation with GERAN specifics			30/01/2002 13:00	28/06/2002 17:00	100%	No	No			
WT	2369	GP;R3		N	Stage 3			30/01/2002 13:00	28/06/2002 17:00	100%	No	No			
BB	**2370**	**GP;R3**		**N**	**Voice over GERAN PS and CS concept**			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	2371	GP;R3		N	Architecture for A, Iu cs and Iu ps			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2372	GP		N	Transcoder position/operation			06/11/2000 08:00	13/04/2001 17:00	100%	No	No			
WT	2373	GP;R3		N	Handover			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2374	GP;R3		N	RTP payload			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	3526	GP;R3		N	Codec renegotiation concept			06/11/2000 08:00	29/03/2002 17:00	100%	No	No			
WT	3527	GP		N	LA			06/11/2000 08:00	13/04/2001 17:00	100%	No	No			
BB	**2388**	**GP**		**N**	**GERAN MS Conformance test for GERAN interface evolution**			11/06/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2389	GP		N	MS test			11/06/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2390**	**GP**		**N**	**GERAN BSS Conformance test for GERAN interface evolution**			08/06/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2391	GP		N	BSS test			08/06/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
F	**2330**	**GP**	**Rel-5**	**N**	**GERAN support for IMS**	**GERIMS**	TSG	01/05/2000 08:00	20/12/2002 17:00	45%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
BB	**2331**	**GP;S2;RP**		**N**	**GERAN Header adaptation**	**GERIMS-HEADAPT**	TSG	01/05/2000 08:00	20/12/2002 17:00	68%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
WT	2332	GP;S2; RP		N	Definition of compression and removal modes for PDCP protocol		TSG	01/05/2000 08:00	10/11/2000 17:00	100%	No	No			
WT	2333	GP;S2; RP		N	Conceptual description in stage 2		TSG	01/05/2000 08:00	31/10/2001 17:00	100%	No	No			
WT	2334	GP;S2; RP		N	Necessary changes on stage 3 regarding header removal		TSG	06/11/2000 08:00	20/12/2002 17:00	100%	No	No			
BB	**2335**	**GP;S2;RP**		**N**	**GERAN Radio access bearer design for IMS**	**GERIMS-RABDES**	TSG	06/11/2000 08:00	28/06/2002 17:00	40%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2422	GP;S2; RP		N	MuM control signalling for conversational multimedia services		TSG	06/11/2000 08:00	28/06/2002 17:00	45%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2431	GP;S2; RP		N	Identification of requirements		TSG	06/11/2000 08:00	08/02/2002 17:00	100%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2337	GP;S2; RP		N	Necessary modifications due to SIP		TSG	06/05/2002 08:00	28/06/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
BB	**2341**	**GP**		**N**	**GERAN MS Conformance test for support of IMS**	**GERIMS-MSconf**	TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2342	G4		N	MS test		TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
BB	**2343**	**GP**		**N**	**GERAN BTS Conformance test for support of IMS**	**GERIMS-BTSconf**	TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2344	G3		N	BTS test		TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
F	**3555**	**G4;G5**	**NA**	**N**	**MS Conformance Testing of Dual Transfer Mode**	**MSCTDTM**	TSG	11/11/2002 08:00	07/02/2003 17:00	100 %	No	No		Needed to complete DTM (R99)	Dave Fox, Vodafone

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3642**	**S2**	**Rel-5**	**N**	**Handling of early UEs**	**LATE_UE**	TSG	03/01/2000 08:00	27/06/2003 17:00	99%	No	No			
BB	**3643**	**S2**		**N**	**Feasibility Study**		WG	07/10/2002 08:00	13/12/2002 17:00	100 %	No	No			
BB	**3644**	**S2**		**N**	**Stage 2**		WG	06/01/2003 08:00	27/06/2003 17:00	100 %	No	No			
BB	**3645**	**R2**	**Rel-5**	**N**	**FS for the Early Mobile Handling in UTRAN**	**FSEarly UE**	TSG	09/09/2002 08:00	06/06/2003 17:00	100 %	No	No			Alan Law, Vodafone Ltd
BB	**3646**			**N**	**Note: Stage 3 RAN part not shown**			03/01/2000 08:00	03/01/2000 17:00	0%	No	No			

Annex I: Current content of Release 6+, extracted from the Project Plan - Version June 08 2004

To be updated with latest work plan details.

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**2**	**RP**	**NA**	**No**	**Evolutions of the transport in the UTRAN**	**ETRAN**	**TSG**	**Mon 03/03/03**	**Wed 31/12/03**	**0%**	**No**	**No**		**Generic feature**	**Francois Courau, Alcatel**
F	**1216**	**RP**	**Rel-6**	**No**	**Improvements of Radio Interface**	**RInImp**	**TSG**	**Mon 14/08/00**	**Wed 15/09/04**	**78%**	**No**	**No**		**This is a generic feature without particular end date**	
BB	**1470**	**R1**	**Rel-6**	**No**	**Improvement of inter-frequency and inter-system measurement**	**RInImp-IfIsM**	**TSG**	**Mon 01/01/01**	**Wed 15/09/04**	**50%**	**No**	**No**			**Antti Toskala, Nokia**
BB	**24006**	**R4**	**Rel-6**	**No**	**Improving Receiver Performance Requirements for the FDD UE**	**RInImp-UERecPerf**	**TSG**	**Fri 08/03/02**	**Fri 19/09/03**	**100 %**	**No**	**No**			**Shimon Moshavi, Intel**
BB	**24004**	**R4**	**Rel-6**	**No**	**Base station classification**	**RInImp-BSClass**	**TSG**	**Mon 14/08/00**	**Wed 04/12/02**	**100 %**	**No**	**No**			
WT	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
BB	**24007**	**R4**	**Rel-6**	**No**	**UMTS-850**	**RInImp-UMTS850**	**TSG**	**Fri 06/12/02**	**Fri 12/12/03**	**100 %**	**No**	**No**			**Don Zelmer, Cingular**
BB	**24009**	**R4**	**Rel-6**	**No**	**DS-CDMA introduction in the 800 MHz band**	**RInImp-UMTS800**	**TSG**	**Fri 14/03/03**	**Fri 12/12/03**	**100 %**	**No**	**No**			**Takehiro Nakamura, NTT DoCoMo**
BB	**24010**	**R4**	**Rel-6**	**No**	**UMTS 1.7/2.1 GHz**	**RInImp-UMTS1721**	**TSG**	**Fri 14/03/03**	**Fri 12/03/04**	**100 %**	**No**	**No**			**Jussi Numminen, Nokia**
BB	**24013**	**R4**	**Rel-6**	**No**	**Improved Receiver Performance Requirements for HSDPA**	**RInImp-HSPerf**	**TSG**	**Mon 15/12/03**	**Tue 14/09/04**	**30%**	**No**	**No**			**Jussi Numminen, Nokia**
WT	24014	R4	Rel-6	No	Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	TSG	Mon 15/12/03	Tue 14/09/04	30%	No	No	TS25.101		Takehiro Nakamura (NTT DoCoMo)

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	3	RP	Rel-6	No	RAN Feasibility Studies			Mon 14/08/00	Tue 15/03/05	67%	No	No			
BB	1506	R1	Rel-6	No	FS on Radio link performance enhancements	RInImp-RIperf	TSG	Mon 14/08/00	Tue 15/06/04	70%	No	No			Antti Toskala, Nokia Networks
BB	24001	R4	Rel-6	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Tue 15/06/04	60%	No	No			Andrea Casini, Tekmar Sistemi
BB	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	100 %	No	No			Li Xiao Qiang, SAMSUNG
BB	21003	R1	Rel-6	No	FS for the analysis of OFDM for UTRAN enhancement	RInImp-FSOFDM	TSG	Mon 10/06/02	Mon 14/06/04	75%	No	No			Sarah Boumendil, Nortel
BB	21004	R1	Rel-6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 12/03/04	100 %	No	No			Karri Ranta-aho, Nokia
BB	21005	R1	Rel-6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	Fri 06/09/02	Mon 14/06/04	80%	No	No			Tim Wilkinson, IPWireless
BB	24011	R3	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	TSG	Fri 13/06/03	Fri 12/03/04	100 %	No	No			Ana Burgos, Telefonica
BB	21007	R1	Rel-6	No	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	TSG	Fri 06/06/03	Tue 14/09/04	10%	No	No			Marian Rudolf, Interdigital
BB	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
BB	23006	R3	Rel-6	No	FS on the evolution of the UTRAN architecture	RANimp-FSEvo	TSG	Mon 09/09/02	Tue 15/03/05	28%	No	No		Work stopped until completion of MBMS in RAN3	Woonhee Hwang, Nokia
F	2468	R1	Rel-6	No	Multiple Input Multiple Output antennas (MIMO)	MIMO	TSG	Fri 14/03/03	Tue 15/03/05	16%	No	No			Howard Huang, Lucent

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	21006	R1	Rel-6	No	MIMO - Physical layer	MIMO-Phys	TSG	Fri 12/09/03	Tue 15/03/05	50%	No	No			Howard Huang, Lucent
BB	22003	R2	Rel-6	No	MIMO - Layer 2,3 aspects	MIMO-L23	TSG	Fri 12/09/03	Wed 15/12/04	0%	No	No			Howard Huang, Lucent
BB	23008	R3	Rel-6	No	MIMO - Iub/Iur Protocol Aspects	MIMO-Iurlub	TSG	Fri 14/03/03	Wed 15/12/04	0%	No	No			Howard Huang, Lucent
BB	24008	R4	Rel-6	No	MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	MIMO-RF	TSG	Fri 12/12/03	Tue 15/03/05	15%	No	No			Man Hung Ng, Lucent
F	20003	RP		No	FDD Enhanced Uplink	EDCH	TSG	Mon 15/03/04	Wed 15/06/05	0%	No	No			Joakim Bergström (Ericsson)
BB	20004	R2		No	EDCH - Stage 2	EDCH-Stage2	TSG	Mon 15/03/04	Mon 15/03/04	0%	No	No	New TR		
BB	20005	R1		No	EDCH - Physical Layer	EDCH-Phys	TSG	Mon 15/03/04	Wed 15/12/04	0%	No	No	TS25.211, 25.212, 25.213, 25.214, 25.215		Karri Ranta-aho (Nokia)
BB	20006	R2		No	EDCH - Layer 2 and 3 Protocol Aspects	EDCH-L23	TSG	Mon 15/03/04	Wed 15/12/04	0%	No	No	TS25.301, 25.302, 25.306, 25.321, 25.331		Joakim Bergström (Ericsson)
BB	20007	R3		No	EDCH - UTRAN Iub/Iur Protocol Aspects	EDCH-Iurlub	TSG	Mon 15/03/04	Wed 15/12/04	0%	No	No	TS25.401, 25.420, 25.423, 25.430, 25.433		Saso Stojanovski (Nortel)
BB	20008	R4		No	EDCH - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	TSG	Mon 15/03/04	Wed 15/06/05	0%	No	No	TS25.101, 25.104, 25.133, 25.141		Thomas Unshelm (Ericsson)

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**9**	**RP**	**Rel-6**	**No**	**RAN improvements**	**RANimp**	**TSG**	**Mon 09/09/02**	**Wed 15/12/04**	**43%**	**No**	**No**		**Generic feature**	
BB	**624**	**R2**	**Rel-6**	**No**	**RAB support enhancement**	**RANimp-RABSE**	**TSG**	**Fri 14/03/03**	**Wed 15/12/04**	**13%**	**Yes**	**Yes**		**This is a building block without particular end date**	**Juha Mikola, Nokia**
WT	23009	R3	Rel-6	No	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	Fri 14/03/03	Wed 15/12/04	25%	No	No		Completiond 6 months after SA WG2 finishes its block	Phillipe Godin, Nortel
WT	21008	R1		No	Optimisation of downlink channelisation code utilisation	RANimp-RABSE-CodeOptFDD	TSG	Fri 12/03/04	Wed 15/12/04	0%	No	No			Sarah Boumendil (Nortel Networks)
WT	21009	R1		No	Optimisation of channelisation code utilisation for TDD	RANimp-RABSE-CodeOptTDD	TSG	Mon 15/03/04	Wed 15/12/04	0%	No	No			Nicholas Anderson (IPWireless)
BB	**20999**	**R1**	**Rel-6**	**No**	**Beamforming Enhancements**	**RANimp-BFE**	**TSG**	**Fri 19/09/03**	**Fri 19/12/03**	**100 %**	**No**	**No**			**Jussi Kähtävä, Nokia**
BB	**23012**	**R3**	**Rel-6**	**No**	**Rel6 RRM optimization for Iur and Iub**	**RANimp-RRMopt**	**TSG**	**Fri 19/09/03**	**Fri 12/03/04**	**99%**	**No**	**Yes**			**Gert-Jan van Lieshout, Ericsson**
WT	23014	R3	Rel-6	No	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	RANimp-RRMopt-UEMsD	TSG	Fri 19/09/03	Fri 12/03/04	100%	No	No	TS25.423		Jim Miller, Interdigital
BB	**23010**	**R3**	**Rel-6**	**No**	**Remote Control of Electrical Tilting Antennas**	**RANimp-TiltAnt**	**TSG**	**Fri 14/03/03**	**Thu 16/09/04**	**36%**	**No**	**No**			**Andreas Hauser, Vodafone**
WT	23015	R3	Rel-6	No	RAN aspects	RANimp-TiltAnt	TSG	Fri 14/03/03	Wed 15/09/04	45%	No	No			Andreas Hauser, Vodafone
WT	35023	S5	Rel-6	No	OAM&P impacts	RANimp-TiltAnt-OAM	WG	Fri 27/02/04	Thu 16/09/04	10%	No	No	32.804, 32.xyz	az: WID approved at SA5#37 (02/2004)	John MUDGE, Vodafone
BB	**23011**	**R3**	**Rel-6**	**No**	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	**RANimp-NACC**	**TSG**	**Mon 09/09/02**	**Tue 15/06/04**	**50%**	**No**	**No**			**Brendan McWilliams, Vodafone**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	23007	R3	Rel-6	No	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSUEMsD	TSG	Fri 06/12/02	Thu 18/12/03	100 %	No	No			Jim Miller, Interdigital
F	32045	S2	Rel-7	No	PS domain and IMS impacts for supporting IMS Emergency calls	EMC1	TSG	Mon 14/08/00	Fri 03/06/05	36%	No	No			Rainer Liebhart
BB	1314	S1	Rel-7	No	Service Requirements for IP-based emergency calls			Mon 18/09/00	Fri 25/06/04	100 %	No	No	22.976		
BB	32046	S2	Rel-7	No	Stage 2		TSG	Wed 26/02/03	Wed 15/12/04	52%	No	No			Rainer Liebhart, Siemenws
BB	1653	N1	Rel-7	No	Emergency Call Enhancements for IP& PS Based Calls – stage 3			Mon 14/08/00	Fri 03/06/05	8%	Yes	Yes			Mr Atle Monrad, Ericsson
WT	1315	N1	Rel-7	No	SIP emergency calls and packet emergency calls signalling flows			Tue 17/10/00	Fri 03/06/05	16%	No	No	TS 24.228		Mr Atle Monrad, Ericsson
WT	1646	N1	Rel-7	No	Stage 3 for emergency calls and packet emergency calls in general			Mon 14/08/00	Fri 03/06/05	0%	No	No	TS 24.229		Mr Atle Monrad, Ericsson
F	32023	S2	Rel-6	No	Location Services enhancements 2	LCS2	TSG	Mon 28/08/00	Fri 29/10/04	55%	No	No			
BB	32024	S2	Rel-6	No	Improvement on Le interface		TSG	Mon 17/06/02	Fri 29/10/04	49%	No	No			
WT	32051	S2	Rel-6	No	Stage 2			Mon 17/06/02	Mon 22/09/03	100%	No	No			
WT	32053	OMA	Rel-6	No	Stage 3 - impacts MLP (Mobile Location Protocol)			Thu 10/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	
BB	32001	S2	Rel-6	No	Enhanced support for anonymity and user privacy		TSG	Mon 08/07/02	Fri 29/10/04	43%	No	No			
WT	32047	S2	Rel-6	No	Stage 2			Mon 08/07/02	Fri 27/06/03	100%	No	No			
WT	32054	OMA	Rel-6	No	Stage 3 - impacts MLP and RLP			Thu 10/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**32025**	**S2**	**Rel-6**	**No**	**Enhanced inter-GMLC interface**		**TSG**	**Mon 24/06/02**	**Fri 29/10/04**	**56%**	**No**	**No**			
WT	32048	S2	Rel-6	No	Stage 2			Mon 24/06/02	Fri 05/09/03	100%	No	No			
WT	32055	OMA	Rel-6	No	Stage 3 - definition of RLP and PCP			Mon 02/09/02	Fri 29/10/04	31%	No	No		Updated according to SP-040232	
BB	**32012**	**S2**	**Rel-6**	**No**	**Location Services support for IMS public identities**		**TSG**	**Mon 02/09/02**	**Fri 29/10/04**	**51%**	**No**	**No**			
WT	32049	S2	Rel-6	No	Stage 2			Mon 24/02/03	Fri 23/01/04	100%	No	No			
WT	32056	OMA	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			Mon 02/09/02	Fri 29/10/04	31%	No	No		Updated according to SP-040232	
BB	**32026**	**S2**	**Rel-6**	**No**	**New area event for location service triggering reports**		**TSG**	**Mon 03/06/02**	**Fri 29/10/04**	**51%**	**No**	**No**			
WT	32050	S2	Rel-6	No	Stage 2			Mon 03/06/02	Fri 27/06/03	100%	No	No			
WT	14015	N4	Rel-6	No	Stage 3 for UE-CN signalling			Thu 09/10/03	Tue 31/08/04	66%	No	No		31/10/2003 work has started. Current stage 3 fullfills the requirements of stage 2. ...	
WT	32057	OMA	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			Mon 14/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	
BB	**32029**	**S2**	**Rel-6**	**No**	**FS on applicability of GALILEO for LCS**			**Mon 08/07/02**	**Wed 30/06/04**	**54%**	**No**	**No**			
WT	32058	S2	Rel-6	No	TR on Stage 2 (No contributions received, No feedback from other groups since May)			Mon 08/07/02	Wed 30/06/04	67%	No	No			
WT	50095	GP	Rel-6	No	GERAN review of the TR			Mon 25/08/03	Fri 06/02/04	0%	No	No			
BB	**20001**	**RP**	**Rel-6**	**No**	**UE positioning**	**LCS2-UEpos**	**TSG**	**Mon 28/08/00**	**Wed 15/09/04**	**62%**	**No**	**No**			
WT	2457	R2	Rel-6	No	UE positioning enhancements - other methods	LCS2-UEpos-enh	TSG	Mon 28/08/00	Fri 26/09/03	25%	No	No		This is a building block without particular end date	Meik Kottkamp, Siemens
WT	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 19/09/03	100%	No	No			Meik Kottkamp, Siemens
WT	24012	R4	Rel-6	No	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	Fri 06/06/03	Wed 15/09/04	35%	No	No			Donglin Shen, AT&T Wireless Services

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	22002	R2	Rel-6	No	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	Mon 01/07/02	Fri 19/09/03	100%	No	No			David Bartlett, Cambridge Positioning Systems
F	**1571**	**S3**	**Rel-6**	**No**	**Security enhancements**	**SEC1**	**TSG**	**Wed 03/01/01**	**Fri 18/06/04**	**38%**	**No**	**No**		**Added BB UE authentication and rapporteur added.**	**Peter Howard, Vodafone**
BB	**2026**	**S3**	**Rel-6**	**No**	**Enhanced HE control of security (including positive authentication reporting)**			**Wed 03/01/01**	**Thu 25/09/03**	**23%**	**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**
WT	2027	S3	Rel-6	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	
WT	33006	S3	Rel-6	No	Network domain security	SEC1-NDS	TSG	Mon 17/06/02	Thu 25/09/03	50%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
WT	33007	S3	Rel-6	No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Mon 17/06/02	Thu 25/09/03	50%	No	No	TS 33.210	Should be complete after SA3#27	
BB	**33017**	**S3**	**Rel-6**	**No**	**"Network Domain Security; Authentication Framework (NDS/AF)"**	**SEC1-NDS-AF**	**TSG**	**Fri 15/02/02**	**Fri 13/02/04**	**70%**	**No**	**No**		**WID approved SA#19. Work started after FS approved SA#18**	**Tommi Viitanen, Nokia**
BB	**33019**	**S3**	**Rel-6**	**No**	**Key Management of group keys for Voice Group Call Services**	**SECGKYV**	**TSG**	**Fri 26/09/03**	**Fri 18/06/04**	**5%**	**No**	**No**	**42.068, 43.068, 44.068, 42.069, 43.069, 44.069, 31.102, 24.008, 48.008, 42.009, 43.020**	**Approved TSG#21**	**Benno Tietz, Vodafone D2**
F	**32021**	**S1**	**Rel-6**	**No**	**IMS Phase 2**	**IMS2**	**TSG**	**Mon 28/08/00**	**Tue 30/11/04**	**65%**	**No**	**No**		**Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent**	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**32027**	**S2**	**Rel-6**	**No**	**DELETE (covered below) - Stage 2 of IMS Phase 2**			**Mon 02/09/02**	**Fri 19/09/03**	**80%**	**No**	**No**			
BB	**14014**	**N4**	**Rel-6**	**No**	**Enhancements to the Cx and Sh interfaces**	**IMS2-CCR**	**WG**	**Fri 06/06/03**	**Tue 31/08/04**	**60%**	**No**	**No**		**29/05/2003 CN4: New WID presented for approval at CN#20.....**	
BB	**31025**	**S1**	**Rel-6**	**No**	**IMS Group Management**	**IMSGM**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**72%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
WT	31026	S1	Rel-6	No	Stage 1 - TS on IMS group management		TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	32036	S2	Rel-6	No	Stage 2			Mon 26/05/03	Wed 31/12/03	100%	No	No			
WT	11036	N1		No	Stage 3 for IMS Group management (e.g. chat)			Fri 13/12/02	Wed 08/09/04	50%	No	No			Keith Drage, Lucent
BB	**11037**	**N1**	**Rel-6**	**No**	**IMS Conferencing**			**Mon 04/11/02**	**Wed 08/09/04**	**88%**	**No**	**No**			
WT	32037	S2	Rel-6	No	Stage 2			Mon 04/11/02	Wed 31/12/03	100%	No	No			
WT	32038	N1		No	Stage 3			Fri 13/12/02	Wed 08/09/04	80%	No	No			Keith Drage, Lucent
BB	**31022**	**S1**	**Rel-6**	**No**	**IMS Messaging**	**IMSM**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**71%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
WT	31023	S1	Rel-6	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)
WT	31034	S1	Rel-6	No	Stage 1 22.340	IMSM-TS	TSG	Mon 11/11/02	Wed 11/12/02	100%	No	No	22.340		Juha Kalliokulju (Nokia)
WT	31033	S1	Rel-6	No	CRs to 22.140 & 22.228	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	100%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)
WT	32700	S2	Rel-6	No	Stage 2			Mon 04/11/02	Tue 31/08/04	82%	No	No			
WT	11039	N1		No	Stage 3 for IMS Messaging			Fri 13/12/02	Wed 08/09/04	50%	No	No			Keith Drage, Lucent
WT	60001	OMA	Rel-6	No	SIP/SIMPLE Instant messaging		n/a	Thu 01/01/04	Wed 30/06/04	0%	No	No		Updated according to SP-040232	
BB	**32005**	**S2**	**Rel-6**	**No**	**IMS Local services**			**Mon 01/01/01**	**Fri 04/06/04**	**46%**	**No**	**No**	**23.228**		
WT	32019	S2	Rel-6	No	Stage 2			Mon 01/01/01	Fri 29/03/02	100%	No	No			
WT	11035	N1		No	Stage 3 for IMS Local services			Fri 13/12/02	Fri 04/06/04	0%	No	No			Keith Drage, Lucent

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**11040**	**N1**	**Rel-6**	**No**	**Additional SIP Capabilities support not covered by Rel-5**			**Mon 11/11/02**	**Wed 08/09/04**	**77%**	**No**	**No**			
WT	32041	S2	Rel-6	No	Stage 2 for add SIP cap (e.g. forking)			Mon 11/11/02	Fri 20/02/04	100%	No	No			
WT	32042	N1		No	Stage 3 for Additional SIP Capabilities			Fri 13/12/02	Wed 08/09/04	60%	No	No			Keith Drage, Lucent
BB	**11041**	**N1**		**No**	**Review additional SIP Capabilities against IMS**			**Fri 13/12/02**	**Fri 12/03/04**	**35%**	**No**	**No**			**Keith Drage, Lucent**
BB	**2048**	**N3**	**Rel-6**	**No**	**Interworking between IMS and IP networks**	**IMS-CCR-IWIP**	**TSG**	**Mon 28/08/00**	**Fri 10/09/04**	**60%**	**No**	**No**	**23.821, 29.061, 29.162**	**[DAB 14.02.02] - end date pushed back to March 2003**	**Nigel Holland, BT**
WT	13004	N3	Rel-6	No	Interworking for 3GPP_SIP and IETF_SIP			Mon 28/08/00	Fri 13/06/03	100%	No	No	New TR 29.962	[DAB - 20.08.03] - CN Part of TR Complete @ CN#20	Thomas Belling, Siemens
WT	13005	N3	Rel-6	No	Interworking for IPv6 to IPv4			Mon 28/08/00	Fri 10/09/04	16%	No	No	29.163	[DAB - 25.05.04] - Awaiting Stage 2	
WT	11044	N1	Rel-6	No	Interworking for IPv6 to IPv4 (SIP / SDP aspects)			Tue 11/05/04	Wed 08/09/04	0%	No	No			
WT	11017	N1	Rel-6	No	stage 3 of interworking with non-IMS IP networks			Wed 14/03/01	Wed 08/09/04	85%	No	No			
BB	**2047**	**N3**	**Rel-6**	**No**	**Interworking between IMS and CS networks**	**IMS-CCR-IWCS**	**TSG**	**Mon 28/08/00**	**Thu 18/03/04**	**100 %**	**No**	**No**	**29.163, 29.061, 24.228, and new CN4 specification**	**[DAB - 25.05.04] - CN3 consider this work to be complete**	**Brendan Mc Williams, Vodafone**
BB	**14001**	**N4**	**Rel-6**	**No**	**Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)**	**IMS-CCR-Mn**		**Tue 07/08/01**	**Wed 01/09/04**	**70%**	**No**	**No**		**"[CN4] 17th May 2002, CN4; Will be handled in Rel-6....."**	
BB	**14012**	**N4**	**Rel-6**	**No**	**Mp (MRFC - MRFP) interface (CN4 Part)**	**IMS-CCR-Mp**		**Fri 13/12/02**	**Tue 30/11/04**	**0%**	**No**	**No**		**27/11/2002 KK: WID approved at CN#18 (NP-020601).....**	
BB	**31036**	**S1**	**Rel-6**	**No**	**Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6"**			**Fri 15/11/02**	**Thu 12/12/02**	**100 %**	**No**	**No**			**Juha Kalliokulju (Nokia)**
BB	**33012**	**S3**	**Rel-6**	**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**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	31042	S1	Rel-6	No	IMS Subscription and access scenarios			Mon 16/12/02	Fri 13/06/03	100 %	No	No	22.800		
F	32063	S2	R6/R7?	No	3GPP Enablers for services like Push to Talk over Cellular (PoC)	PoC	TSG	Mon 08/09/03	Thu 30/12/04	29%	No	No	23.9xx		Shabnam Sultana, Ericsson
BB	32068	S2	R6/R7?	No	Feasibility Study	PoC		Mon 08/09/03	Tue 30/11/04	53%	No	No	23.9xx		Shabnam Sultana, Ericsson
BB	60002	OMA	R6/R7?	No	Dependencies on OMA PoC	PoC	n/a	Thu 01/01/04	Thu 30/12/04	0%	No	No		Updated according to SP-040232	
F	32062	S2	Rel-6	No	Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)	IPv4IMS		Mon 08/09/03	Fri 25/06/04	100 %	No	No			Alexander Milinski, Siemens
F	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	99%	No	No			
BB	32028	S2	Rel-6	No	Stage 2 for Interoperability (no contributions assumed that no more will be done in 3GPP hence work may need to be done in pp2)			Mon 16/09/02	Tue 30/09/03	100 %	No	No			Balazs Beternyi, Nokia
BB	32061	S2	Rel-6	No	Stage 2 for commonality			Mon 16/09/02	Fri 19/09/03	100 %	No	No			Balazs Beternyi, Nokia
BB	11033	N1	Rel-6	No	Stage 3			Mon 14/10/02	Fri 12/12/03	100 %	No	No			Keith Drage, Lucent

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	1365	S1	Rel-6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 27/02/04	99%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
BB	31004	S1	Rel-6	No	Stage 1			Wed 03/01/01	Fri 14/06/02	100 %	No	No			
BB	32701	S2	Rel-6	No	TR 23.976 on Push Architecture			Mon 11/11/02	Fri 27/02/04	100 %	No	No			Nick Alfano, RIM
F	42009	T2	Rel-6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Thu 16/09/04	55%	No	Yes			Josef Laumen, Siemens
BB	42010	S1	Rel-6	No	Definition of service requirements	MMS6-SR		Fri 15/11/02	Fri 19/12/03	100 %	No	No	22.140		
WT	31031	S1	Rel-6	No	Definition of service requirements charging			Fri 15/11/02	Fri 19/12/03	100%	No	No	22.140		Josef Laumen, Siemens
BB	42011	T2	Rel-6	No	Technical realization		TSG	Fri 06/09/02	Fri 10/09/04	55%	No	No	23.140		Josef Laumen, Siemens
BB	42012	OMA	Rel-6	No	OMA dependencies on MMS (MM1 interface and terminal provisionning)		n/a	Fri 15/08/03	Fri 27/08/04	0%	No	No		Updated according to SP-040232	
BB	42013	S4	Rel-6	No	MMS formats and codecs	MMS6-Codec		Thu 15/08/02	Thu 16/09/04	75%	No	No	26.140		Roberto Castagno (Nokia)
BB	42014	T2	Rel-6	No	Handling of private addressing schemes in MMS		TSG	Wed 10/12/03	Fri 04/06/04	20%	No	No	23.140		Matthias Röbke, T-Mobile
BB	42015	T2	Rel-6	No	FS Multiple MMS Relay/Server Architecture		TSG	Wed 10/12/03	Fri 04/06/04	5%	No	No	new TR		Juan Gorospe, Telefónica Móviles
F	42005	T2	Rel-6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Fri 06/06/03	100 %	No	Yes			
BB	42006	T2	Rel-6	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)
BB	42007	T2	Rel-6	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)

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2062	S5	Rel-6	No	Subscription Management	SuM	TSG	Fri 20/09/02	Thu 16/09/04	75%	No	Yes	32.140/1, 32.171/2		Istvan ABA (T-Mobile Austria)
F	2499	S1	Rel-6	No	Presence Capability	PRESNC	TSG	Mon 19/03/01	Fri 31/12/04	49%	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
BB	2501	S1	Rel-6	No	Stage 1			Mon 19/03/01	Fri 18/07/03	100 %	No	No			
BB	2502	S2	Rel-6	No	Stage 2		TSG	Wed 12/09/01	Fri 20/09/02	100 %	No	No			
BB	2503	N1	Rel-6	No	Stage 3			Mon 01/04/02	Wed 08/09/04	90%	No	No			Keith Drage, Lucent
BB	13018	N3	Rel-6	No	Stage 3 (CN3 Part Pk interface)			Mon 01/04/02	Wed 08/09/04	0%	No	No		No Contributions so far	
BB	34025	S4	Rel-6	No	Media Codecs and Formats for IMS Messaging and Presence	PRESNC-COFIMP	TSG	Thu 12/06/03	Thu 16/09/04	10%	No	No	TS 26.141	Also for 31022 IMS Messaging	Harri Honko (Nokia)
BB	2504	S3	Rel-6	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.	
BB	2505	T3	Rel-6	No	USIM issues			Mon 04/03/02	Thu 20/06/02	0%	No	No			
BB	15037	N5	Rel-6	No	TR on Presence and Availability Management		TSG	Mon 03/05/04	Fri 31/12/04	0%	No	No	29.998-14	CN#23: Moved from OSA3 to PRESNC	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**60003**	**OMA**	**Rel-6**	**No**	**SIMPLE Presence**		**n/a**	**Thu 01/01/04**	**Tue 30/11/04**	**0%**	**No**	**No**		**Updated according to SP-040232**	
F	**50056**	**GP**	**Rel-6**	**No**	**Enhanced A/Gb feasibility study**	**AGbEnFS**	**TSG**	**Fri 30/08/02**	**Fri 08/11/02**	**75%**	**No**	**No**		**Closed**	**J-L Carrizo, Vodafone**
BB	**50057**	**G2**	**Rel-6**	**No**	**Feasibility study on A/Gb enhancements**	**AGbEnFS-FS**	**TSG**	**Fri 30/08/02**	**Fri 08/11/02**	**75%**	**No**	**No**			
WT	50080	GP	Rel-6	No	Requirements for the support of conversational services			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50084	GP	Rel-6	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			
WT	50093	GP	Rel-6	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			
WT	52081	G2	Rel-6	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			
WT	52082	G2	Rel-6	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			
WT	50081	GP	Rel-6	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			
WT	50082	GP	Rel-6	No	Standardisation effort			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50083	GP	Rel-6	No	Dependency to other features			Fri 30/08/02	Fri 08/11/02	100%	No	No			
F	**50063**	**GP**	**Rel-6**	**No**	**Flexible Layer One for GERAN**	**FLOGER**	**TSG**	**Mon 03/01/00**	**Fri 25/06/04**	**96%**	**No**	**No**		**Nokia, Ericsson, Siemens, Telia**	**Benoist Sébire**
BB	**50064**	**GP**	**Rel-6**	**No**	**Realisation of a Flexible Layer One**	**FLOGER-Real**		**Mon 03/01/00**	**Fri 23/04/04**	**99%**	**No**	**No**		**Started**	**Benoist Sébire**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	50065	GP	Rel-6	No	Technical Report			Fri 19/04/02	Fri 06/02/04	100%	No	No			
WT	51002	G1	Rel-6	No	Architecture in 45.001 and 43.051			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	51003	G1	Rel-6	No	Multiplexing in 45.002			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	51004	G1	Rel-6	No	Channel Coding in 45.003			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	51005	G1	Rel-6	No	Performance Requirements in 45.005			Mon 03/01/00	Fri 23/04/04	100%	No	No			
WT	51006	G1	Rel-6	No	Radio subsystem link control in 45.008			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	52071	G2	Rel-6	No	Requirements in 44.004			Fri 19/04/02	Fri 23/04/04	100%	No	No			
BB	**52072**	**G2**	**Rel-6**	**No**	**Signalling and protocol support for a Flexible Layer One**	**FLOGER -SigPro**		**Fri 19/04/02**	**Fri 25/06/04**	**95%**	**No**	**No**		**Started**	**Benoist Sébire**
WT	52073	G2	Rel-6	No	Modifications to RLC/MAC in 44.060 and 44.160			Fri 19/04/02	Fri 25/06/04	95%	No	No			
WT	52074	G2	Rel-6	No	Modifications to RRC in 44.118 and 44.018			Fri 19/04/02	Fri 25/06/04	95%	No	No			
BB	**52075**	**"S3; G2"**	**Rel-6**	**No**	**Security for a Flexible Layer One**	**FLOGER -SecFLO**		**Fri 19/04/02**	**Fri 29/08/03**	**100 %**	**No**	**No**		**Started**	**Benoist Sébire**
WT	52076	"S3; G2"	Rel-6	No	Ciphering in 44.160,44.118, 44.060 and 44.018			Fri 19/04/02	Fri 29/08/03	100%	No	No			
BB	**55077**	**"G4;G5"**	**Rel-6**	**No**	**GERAN MS Conformance test for the Flexible Layer One**	**FLOGER -Msconf**		**Fri 06/02/04**	**Fri 25/06/04**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**
WT	55078	"G4;G5"	Rel-6	No	MS Test in 51.01050085			Fri 06/02/04	Fri 25/06/04	0%	No	No			
BB	**55079**	**G3**	**Rel-6**	**No**	**GERAN BTS Conformance test for the Flexible Layer One**	**FLOGER - BTSconf**		**Fri 06/02/04**	**Fri 25/06/04**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**
WT	53080	G3	Rel-6	No	BTS Test in 51.021			Fri 06/02/04	Fri 25/06/04	0%	No	No			
F	**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.**
F	**2544**	**S1**	**Rel-6**	**No**	**Multimedia Broadcast and Multicast Service**	**MBMS**	**TSG**	**Fri 11/05/01**	**Thu 16/12/04**	**43%**	**No**	**No**		**Title renamed at SA#13**	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2545**	**S1**	**Rel-6**	**No**	**Stage 1**			**Fri 11/05/01**	**Mon 01/04/02**	**100 %**	**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**	
BB	**32002**	**S2**	**Rel-6**	**No**	**Stage 2**		**TSG**	**Mon 24/09/01**	**Wed 17/03/04**	**99%**	**No**	**No**			
WT	32702	S2	Rel-6	No	TR on Architectural Study			Mon 24/09/01	Fri 23/08/02	100%	No	No			
WT	32703	S2	Rel-6	No	Stage 2 Specification Work. (User Service aspects may impact) (progress will be check in Friday of S2 #38 !!)			Mon 19/08/02	Wed 17/03/04	100%	No	No			
BB	**2481**	**R2**	**Rel-6**	**No**	**Introduction of MBMS in RAN**	**MBMS-RAN**	**TSG**	**Tue 01/01/02**	**Wed 15/09/04**	**80%**	**No**	**No**			**Juho Pirskanen , Nokia**
BB	**11030**	**N1**	**Rel-6**	**No**	**Support of the MBMS in CN protocols**		**TSG**	**Tue 18/06/02**	**Wed 08/09/04**	**78%**	**No**	**No**			
BB	**13015**	**N3**	**Rel-6**	**No**	**Gmb interface for MBMS (CN3 part)**			**Fri 29/08/03**	**Fri 10/09/04**	**50%**	**No**	**No**	**29.061**		
BB	**33008**	**S3**	**Rel-6**	**No**	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	**MBMS**	**TSG**	**Mon 01/07/02**	**Thu 25/09/03**	**20%**	**No**	**No**		**WID approved SA#17**	**Escott, Adrian, 3**
BB	**50085**	**GP**	**Rel-6**	**No**	**Support of MBMS in GERAN**	**MBMS-GERAN**	**TSG**	**Thu 30/08/01**	**Fri 12/11/04**	**29%**	**No**	**No**			
WT	50086	GP	Rel-6	No	Impact on the logical and physical channels			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	52085	G2	Rel-6	No	Re-synchronisation at cell change			Fri 30/08/02	Fri 12/11/04	0%	No	No			
WT	50098	GP	Rel-6	No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	50099	GP	Rel-6	No	Simultaneous support of MBMS and non-MBMS services			Thu 30/08/01	Fri 12/11/04	35%	No	No			
WT	50100	GP	Rel-6	No	Resynchronisation at cell change			Thu 30/08/01	Fri 12/11/04	35%	No	No			
WT	50087	GP	Rel-6	No	Decision making process between point-to-point or pont-to-multipoint configurations			Fri 30/08/02	Fri 12/11/04	35%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	50088	GP	Rel-6	No	MBMS channel allocations procedures to multiple MSs			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	50089	GP	Rel-6	No	Changes to the Gb interface			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	50090	GP	Rel-6	No	GERAN specific changes to the Iu-ps interface			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	50091	GP	Rel-6	No	Interaction between MBMS and Iu-flex			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	50092	GP	Rel-6	No	Security aspects			Fri 30/08/02	Fri 12/11/04	35%	No	No			
WT	53081	G3	Rel-6	No	MS conformance tests-G3			Fri 30/08/02	Fri 12/11/04	0%	No	No			
WT	55091	G5	Rel-6	No	DELETE - MS conformance tests - G5			Fri 30/08/02	Fri 27/06/03	0%	No	No		DELETE !	
BB	**31045**	**S1**	**Rel-6**	**No**	**MBMS User Services**			**Tue 13/05/03**	**Thu 16/12/04**	**69%**	**No**	**No**	**22.246**		
WT	31044	S1	Rel-6	No	MBMS User Services Stage 1			Tue 13/05/03	Thu 01/04/04	100%	No	No	22.246		
WT	34026	S4	Rel-6	No	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	MBMS-TSMBMS	TSG	Thu 12/06/03	Thu 16/12/04	50%	No	No	26.346		Igor Curcio (Nokia)
F	**31006**	**S1**	**Rel-6**	**No**	**Speech Recognition and Speech Enabled Services**	**SRSES**	**TSG**	**Mon 08/10/01**	**Thu 10/06/04**	**97%**	**No**	**No**			
BB	**31007**	**S1**	**Rel-6**	**No**	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	**DSR**	**TSG**	**Mon 08/10/01**	**Fri 15/03/02**	**100 %**	**No**	**No**	**22.941, 23.207, 22.243**		**D Williams, QUALCOMM, Inc.**
BB	**32999**	**S2**	**Rel-6**	**No**	**TR on Architectural impacts**			**Mon 12/05/03**	**Tue 02/03/04**	**100 %**	**No**	**No**			
BB	**34700**	**S4**	**Rel-6**	**No**	**Codec Work to Support Speech Recognition Framework for Automated Voice Services**	**SRSES-Codec**	**WG**	**Tue 15/10/02**	**Thu 10/06/04**	**95%**	**No**	**No**	**26.235, 26.236, 26.243**		**David Pearce, Motorola**
BB	**60004**	**OMA**	**Rel-6**	**No**	**Multimodal support**			**Thu 01/01/04**	**Thu 01/01/04**	**0%**	**No**	**No**			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	31008	S1	Rel-6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 30/11/04	68%	No	No			
BB	31009	S1	Rel-6	No	Stage 1 - Requirements			Mon 08/10/01	Fri 30/05/03	100 %	No	No	22.240, 22.228		Paul Amery (Orange)
BB	32008	S2	Rel-6	No	Stage 2 - Architecture			Mon 28/01/02	Fri 06/06/03	100 %	No	No	23.240		Nacho Uzquiano (Telefonica)
BB	42002	T2	Rel-6	No	Stage 2 - Data Description Method		TSG	Thu 05/12/02	Fri 05/03/04	90%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA)
BB	42003	T2	Rel-6	No	Stage 3 - Common objects		TSG	Thu 05/12/02	Fri 03/09/04	60%	No	No	24.241		
BB	14008	N4	Rel-6	No	Stage 3 - Network			Mon 19/05/03	Tue 30/11/04	40%	No	No	29.240	17 May no activity in CN4.....	
BB	33009	S3	Rel-6	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
F	31010	S1	Rel-6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 28/05/04	39%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
BB	31011	S1	Rel-6	No	Requirements			Mon 08/10/01	Thu 13/06/02	100 %	No	No			Nicholas Wood, Openwave Systems
BB	31037	S1	Rel-6	No	Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			Mon 19/08/02	Fri 21/03/03	20%	No	No			
BB	33001	S3	Rel-6	No	Monitoring of Security (work done by OMA)			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	
BB	60005	OMA	Rel-6	No	Stage 2			Thu 01/01/04	Fri 28/05/04	0%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	60006	OMA	Rel-6	No	Stage 3			Thu 01/01/04	Fri 28/05/04	0%	No	No			
F	31012	S1	Rel-6	No	WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Thu 30/09/04	86%	No	No			Fredric Paint, Telenor
BB	31020	S1	Rel-6	No	Technical Report	WLAN-TR		Mon 03/01/00	Fri 13/06/03	100 %	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor
BB	31035	S1	Rel-6	No	Stage 1	WLAN-TS		Mon 03/01/00	Fri 11/06/04	99%	No	No	22.234		Fredric Paint, Telenor
BB	32018	S2	Rel-6	No	Architecture Definition for scenarii 2 and 3		TSG	Mon 25/03/02	Mon 31/05/04	100 %	No	No			
BB	32704	S3	Rel-6	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
BB	14013	N4	Rel-6	No	Stage 3 - CN4 aspects	WLAN-IW	TSG	Fri 23/05/03	Wed 01/09/04	77%	No	No	29.234, 29.061	WID approved at CN#19.....	Rodriguez ,Raquel, Nokia
BB	13019	N3	Rel-6	No	Stage 3 - CN3 aspects (Wi Interface for Scenario 3)	WLAN	TSG	Fri 23/05/03	Thu 30/09/04	68%	No	No	29.161	WID approved at CN#19.....	
BB	11042	N1	Rel-6	No	Stage 3 for scenario 2		WG	Fri 23/05/03	Wed 08/09/04	78%	No	No			
BB	11047	N1	Rel-6	No	Stage 3 for scenario 3		WG	Fri 23/05/03	Wed 08/09/04	40%	No	No			
F	31015	S1	Rel-6	No	Priority Service	PRIOR	TSG	Thu 30/05/02	Thu 16/12/04	61%	No	No			
BB	31016	S1	Rel-6	No	Feasibility Study	PRIOR-FS		Fri 14/06/02	Fri 14/06/02	100 %	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	31017	S1	Rel-6	No	Stage 1 - Requirements	PRIOR-SR		Thu 30/05/02	Wed 17/09/03	100 %	No	No			James J. Garrahan, Telcordia Technologies
BB	31041	S1	Rel-6	No	Multimedia Priority Service			Fri 28/03/03	Thu 16/12/04	20%	No	No			
BB	31043	S1	Rel-6	No	Priority service implementation guide			Fri 28/03/03	Fri 26/09/03	100 %	No	No	22.952		Biplab K. Pramanik, Telcordia Technologies
F	31018	S1	Rel-6	No	Network Sharing	NTShar	TSG	Mon 20/01/03	Thu 17/03/05	65%	No	No			
BB	31019	S1	Rel-6	No	Technical Report	NTShar-TR		Mon 20/01/03	Fri 19/12/03	100 %	No	No	22.951		
BB	31038	S1	Rel-6	No	Stage 1 - CRs to implement Network Sharing	NTShar-CR		Mon 20/01/03	Fri 19/12/03	100 %	No	No	22.011, 22.101, 22.115, 22.129		
BB	32044	S2	Rel-6	No	Stage 2			Thu 27/02/03	Fri 30/07/04	83%	No	No			
BB	11043	N1	Rel-6	No	Network sharing - stage 3		WG	Fri 23/05/03	Wed 08/09/04	40%	No	No			
BB	22004	R2	Rel-6	No	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANEnh	TSG	Fri 19/09/03	Thu 17/03/05	25%	No	No	TS25.401, TS25.413, TS25.331, TS25.304		Anders Dahlén, TeliaSonera
F	32016	S2	Rel-6	No	QoS Improvements	QoS1	TSG	Mon 15/07/02	Fri 10/09/04	89%	No	No			
BB	32017	S2	Rel-6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 23/04/04	100 %	No	No			

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 June 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	32059	S2	Rel-6	No	Definition of the Gq interface			Tue 01/07/03	Fri 23/04/04	100 %	No	No			Janne Rinne (Nokia)
BB	13016	N3	Rel-6	No	Gq interface specification for Dynamic Policy control enhancements – Stage 3		TSG	Fri 29/08/03	Fri 10/09/04	60%	No	No	24,228, 29.207, 29.208	[DAB - 25.05.04] - Delayed to Sept - possibly Dec 2004	Anna Sillanpää, Nokia
F	33002	S3	Rel-6	No	Subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Tue 30/11/04	54%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
BB	32705	S3	Rel-6	No	Stage 1			Mon 25/02/02	Thu 12/09/02	40%	No	No		Contribution received S3#24, S3#25	
BB	32706	S2	Rel-6	No	Architecture review			Mon 14/10/02	Thu 14/11/02	100 %	No	No			
BB	14504	N4	Rel-6	No	Stage 3	SEC1-SC		Fri 19/09/03	Tue 30/11/04	50%	No	No		WID approved at CN#21.....	Lauri Laitinen, Nokia
BB	11045	N1	Rel-6	No	Stage 3 Ua & Ub interfaces			Mon 03/11/03	Wed 08/09/04	40%	No	No			
BB	60007	OMA	Rel-6	No	OMA dependencies on Subscriber certificates		n/a	Thu 01/01/04	Tue 08/06/04	100 %	No	No		Updated according to SP-040420	
F	15010	S1	Rel-6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 31/10/02	Thu 30/09/04	68%	No	No	22.127, 29.198, 29.998	NP-040144 Rev WID replaces NP-040068.	Chelo ABARCA (Alcatel)
BB	31040	S1	Rel-6	No	Scope of the Open Service Access Release 6		TSG	Fri 28/03/03	Fri 27/06/03	100 %	No	No			
BB	15026	N5	Rel-6	No	Multi Media Messaging function		TSG	Thu 31/10/02	Fri 18/06/04	50%	No	No	29.198, 29.998		
BB	15028	N5	Rel-6	No	Policy management extensions		TSG	Thu 31/10/02	Fri 12/12/03	100 %	No	No	29.198, 29.998		

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	15029	N5	Rel-6	No	TS on Presence and Availability Management (from the PRESNC WI)		TSG	Thu 31/10/02	Fri 26/03/04	100 %	No	No	29.198-14	N5#26: Split WI into TS & TR.	
BB	15032	N5	Rel-6	No	OSA interfaces at different levels of abstractions (Parlay X, Web services)		TSG	Mon 14/07/03	Fri 18/06/04	90%	No	No	29.199	"N5#26: Will be submitted to CN#24 for Approval only if Rel-6 ""freezing"" is 06/2004."	
BB	15033	N5	Rel-6	No	Introduction of migration support mechanism		TSG	Thu 31/10/02	Wed 10/12/03	100 %	No	No	29.198, 29.998		
BB	15034	N5	Rel-6	No	User Profile		TSG	Thu 23/01/03	Fri 18/06/04	0%	No	No	29.198, 29.998	N5#24&25&26: Still Pending input from SA1/2.	
BB	15036	N5	Rel-6	No	Framework Function for Federation		TSG	Mon 03/02/03	Fri 12/12/03	100 %	No	No	29.198, 29.998		
BB	60008	OMA	Rel-6	No	OMA dependencies on OSA		n/a	Thu 01/01/04	Thu 30/09/04	0%	No	No		Updated according to SP-040420	
F	50401	GP	Rel-6	No	Addition of frequency bands to GSM	TAPS	TSG	Fri 28/06/02	Fri 12/11/04	4%	No	No			Torben Themsen
BB	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
WT	51102	G1	Rel-6	No	Changes to core specs			Fri 15/11/02	Fri 20/12/02	100%	No	No			
BB	54102	G4	Rel-6	No	Addition of frequency bands to GSM – Changes for conformance tests	TAPS-Conf		Fri 28/06/02	Fri 12/11/04	0%	No	No		Not started	Torben Themsen
WT	54103	G4	Rel-6	No	51.010-1 Add testing			Fri 28/06/02	Fri 12/11/04	0%	No	No			
F	50130	GP	Rel-6	No	Seamless support of streaming services in A/Gb mode	SSStrea	TSG	Mon 03/01/00	Fri 30/01/04	94%	No	No			José Luis Carrizo Martínez, Vodafone
BB	51131	G1	Rel-6	No	Identification of requirements for streaming			Fri 27/06/03	Fri 29/08/03	100 %	No	No		Started	
WT	51133	G1	Rel-6	No	Requirements			Fri 27/06/03	Fri 29/08/03	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**51132**	**G1**	**Rel-6**	**No**	**Performance study of cell change mechanisms**			**Mon 03/01/00**	**Fri 29/08/03**	**100 %**	**No**	**No**		**Started**	
WT	51134	G1	Rel-6	No	Performance of NACC			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	51135	G1	Rel-6	No	Performance of cell change in DTM for the PS domain			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	51136	G1	Rel-6	No	Handover			Mon 03/01/00	Fri 29/08/03	100%	No	No			
BB	**52131**	**G2**	**Rel-6**	**No**	**Reduction of service interruption times and packet loss during mobility procedures**			**Fri 27/06/03**	**Fri 21/11/03**	**99%**	**No**	**No**		**Completed at GERAN#17**	
WT	52133	G2	Rel-6	No	Optimisations of existing mechanisms/procedures			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52134	G2	Rel-6	No	Inter-system NACC			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52135	G2	Rel-6	No	PS Handover (within GERAN and between GERAN and UTRAN)			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52136	G2	Rel-6	No	Dependency to other features			Fri 27/06/03	Fri 21/11/03	100%	No	No			
BB	**54131**	**G3**	**Rel-6**	**No**	**MS conformance testing**			**Fri 19/12/03**	**Fri 30/01/04**	**100 %**	**No**	**No**		**Closed, no work needed**	
WT	54132	"G4;G5"	Rel-6	No	MS conformance tests			Fri 19/12/03	Fri 30/01/04	100%	No	No		Closed, no work needed	
BB	**33013**	**S3**	**Rel-6**	**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**
F	**34300**	**S4**	**Rel-6**	**No**	**Performance characterisation of default codecs for PS conversational multimedia application**	**CODCAR**	**TSG**	**Fri 13/09/02**	**Thu 10/06/04**	**100 %**	**No**	**No**	**TR 26.935**		**Pasi Ojala (Nokia)**
F	**31030**	**S1**	**Rel-6**	**No**	**Study on Privacy Capability**	**PrivCap**	**TSG**	**Mon 10/11/03**	**Wed 03/03/04**	**85%**	**No**	**No**	**TR 21.xyz**		**Liz Daniel, Lucent**
F	**35010**	**S5**	**Rel-6**	**No**	**OAM&P**	**OAM**	**TSG**	**Thu 12/09/02**	**Wed 08/12/04**	**67%**	**No**	**No**	**32-series**	**az: SA#23 TSG approval 06/04->09/04**	**Michael TRUSS (Motorola)**

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	35011	S5	Rel-6	No	Principles, high level Requirements and Architecture	OAM-AR	TSG	Thu 12/09/02	Thu 16/09/04	75%	No	Yes	32.101, 32.102		Michael TRUSS (Motorola)
BB	35012	S5	Rel-6	No	Performance Management	OAM-PM	TSG	Thu 12/09/02	Thu 16/09/04	75%	No	No	32.41x, 52.402		Christian TOCHE (Nortel Networks)
BB	35014	S5	Rel-6	No	Network Infrastructure Management	OAM-NIM	TSG	Thu 12/09/02	Thu 16/09/04	75%	No	No	32.15x, 32.3/6/7xy		Thomas TOVINGER (Ericsson)
BB	35015	S5	Rel-6	No	Trace Management	OAM-Trace	TSG	Fri 20/09/02	Wed 08/12/04	55%	No	No	32.42x, 52.008		Kari RÖNKÄ (Nokia)
WT	35022	S5	Rel-6	No	Subscriber and UE trace management	OAM-Trace	TSG	Fri 20/09/02	Thu 16/09/04	75%	No	No	32.42x, 52.008		Kari RÖNKÄ (Nokia)
WT	23013	R3	Rel-6	No	Subscriber and equipment trace in UTRAN	OAM-Trace-RAN	TSG	Fri 06/06/03	Tue 15/06/04	60%	No	No			Yann Sehedi, Nortel
WT	11046	N1	Rel-6	No	SIP enhancements for trace			Mon 16/02/04	Wed 08/12/04	2%	No	No			
F	35016	S5	Rel-6	No	Charging Management	CH	TSG	Thu 21/11/02	Thu 16/09/04	78%	No	No	32.2xy	az: SA#23 TSG approval 06/04->09/04	Karl-Heinz NENNER (T-Mobile)
BB	35017	S5	Rel-6	No	Charging Management for Bearer level	CH-BC	TSG	Fri 21/03/03	Thu 16/09/04	75%	No	No			Benni ALEXANDER (Nokia)
BB	35018	S5	Rel-6	No	Charging Management for the IMS	CH-IC	TSG	Fri 21/03/03	Thu 16/09/04	75%	No	No			Patrik TEPPO (Ericsson)
BB	35019	S5	Rel-6	No	Charging Management for the Service domain	CH-SC	TSG	Fri 21/03/03	Thu 16/09/04	75%	No	No			Gerald GÖRMER (Siemens)
BB	32030	S2	Rel-6	No	Overall architectural aspects of IP flow based bearer level charging	CH-FBC		Thu 21/11/02	Fri 30/07/04	84%	No	No			
WT	32069	S2	Rel-6	No	Overall definition of FBC architecture			Thu 21/11/02	Tue 02/03/04	99%	No	No			
WT	32070	S2	Rel-6	No	Study on providing policy control with FBC			Mon 02/02/04	Fri 30/07/04	45%	No	No			
F	1800	T3	Rel-6	No	Rel-6 UICC/USIM enhancements and interworking	USAT1	TSG	Mon 25/09/00	Thu 19/02/04	99%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**1802**	**T3**	**Rel-6**	**No**	**UICC API**	**USAT1-API**		**Wed 20/03/02**	**Thu 19/02/04**	**98%**	**No**	**No**		**8/3/2001: test spec is based on R99 core spec, so deleted from Workplan**	
WT	43001	T3	Rel-6	No	Java API Test specification			Wed 20/03/02	Mon 10/06/02	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	43003	T3	Rel-6	No	Java API Test specification (TS 43.019 Rel-5)			Thu 30/05/02	Mon 09/06/03	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	43006	T3	Rel-6	No	2G/3G Java Card™ API based applet interworking	USAT1-API	TSG	Mon 17/03/03	Thu 19/02/04	95%	No	No			Stéphane Andrau-Oberthur Card Systems
BB	**43004**	**T3**	**Rel-6**	**No**	**Rel-6 USIM toolkit enhancements**			**Mon 25/09/00**	**Fri 27/09/02**	**99%**	**No**	**No**			
WT	502031	T3	Rel-6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			
WT	502032	T3	Rel-6	No	Specification		TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			Neil Livingston – Aspects Software
WT	502033	T3	Rel-6	No	Test specification		TSG	Mon 01/01/01	Fri 28/09/01	100%	Yes	Yes			Neil Livingston – Aspects Software
F	**34022**	**S4**	**Rel-6**	**No**	**Packet Switched Streaming Services Rel-6**	**PSSrel6**	**TSG**	**Mon 18/11/02**	**Thu 16/09/04**	**92%**	**No**	**No**			**Olle Franceschi (Ericsson)**
BB	**31039**	**S1**	**Rel-6**	**No**	**Stage 1**		**TSG**	**Mon 18/11/02**	**Mon 17/03/03**	**100 %**	**No**	**No**	**22.233**	**2nd resp SA4**	
BB	**34024**	**S4**	**Rel-6**	**No**	**Stage 3**	**PSSrel6-Stage3**	**WG**	**Fri 13/12/02**	**Thu 16/09/04**	**90%**	**No**	**No**	**26.233, 26.234, 26.244, 26.245, 26.246**		**Olle Franceschi (Ericsson)**
F	**34023**	**S4**	**Rel-6**	**No**	**AMR-WB extension for high audio quality**	**AMRWB+**	**TSG**	**Fri 13/12/02**	**Thu 10/06/04**	**95%**	**No**	**No**			**Janne Vainio (Nokia)**
F	**34027**	**S4**	**Rel-6**	**No**	**Codec Enhancements for Packet Switched Conversational Multimedia Applications**	**CEPSCM**	**WG**	**Tue 16/03/04**	**Thu 16/09/04**	**20%**	**No**	**No**	**26.235, 26.236**		**Miska Hannuksela (Nokia)**

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	34028	S4	Rel-6	No	3G-324M Improvements	3G-324MI	WG	Tue 16/03/04	Thu 16/09/04	40%	No	No	26.111, 26.911		Bo Burman, Ericsson
F	51101	"GP; G1"	Rel-6	No	Single Antenna Receiver Interference Cancellation (SAIC)	SAIC	TSG	Fri 15/11/02	Fri 25/06/04	80%	No	No			Marc Grant, Cingular Wireless
F	50500	GP	Rel-6	No	Support of Conversational Services in A/Gb mode via the PS domain	SCSAGB	TSG	Fri 07/02/03	Fri 27/08/04	28%	No	No			David Bladsjö, Ericsson
BB	50501	GP	Rel-6	No	Creation of a TR	SCSAGB-TR	TSG	Fri 07/02/03	Fri 21/11/03	100 %	No	No			David Bladsjö, Ericsson
BB	50502	GP	Rel-6	No	Stage 2	SCSAGB-Stage2	TSG	Fri 21/11/03	Fri 27/08/04	35%	No	No		Started	David Bladsjö, Ericsson
BB	50503	GP	Rel-6	No	Radio Channel Support	SCSAGB-RCS	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50504	"GP; G2"	Rel-6	No	Definition of radio resource management functionality	SCSAGB-RRM	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50505	GP	Rel-6	No	PS Handover	SCSAGB-PSH	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50506	"GP; G2"	Rel-6	No	Modifications to FLO	SCSAGB-FLO	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
F	12006	S1	Rel-6	No	Enhancement of dialled service for CAMEL	EDCAMEL	TSG	Fri 28/03/03	Wed 31/12/03	100 %	No	No			Craig Bishop, Samsung Electronics Research Institute
BB	12007	N2	Rel-6	No	Stages 2 and 3			Fri 28/03/03	Wed 31/12/03	100 %	No	No			
F	32060	S2	Rel-6	No	Bandwidth and resource savings in CS networks	CSSAVE		Sun 01/06/03	Wed 16/06/04	100 %	No	No	TR 23.977		

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	33018	S3	Rel-6	No	FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces		TSG	Thu 03/07/03	Fri 26/12/03	5%	No	No		Approved TSG#20	Raziq Yaqub, Toshiba America Research Inc.
F	50600	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 05/04/02	Fri 25/06/04	65%	No	No			Gunnar Mildh, Ericsson
BB	50601	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTBF-Agbmode	TSG	Fri 05/04/02	Fri 29/08/03	100 %	No	No			Gunnar Mildh, Ericsson
WT	50602	"GP;G2"	Rel-6	No	Multiple TBF Concept paper			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50603	"GP;G2"	Rel-6	No	Multiple TBF Stage 2 (43.064) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50604	"GP;G2"	Rel-6	No	Multiple TBF Stage 3 (44.060) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No		Not started	
BB	50605	G3	Rel-6	No	Multiple TBF in A/Gb mode – MS testing	MULTBF-Testing	TSG	Fri 05/04/02	Fri 25/06/04	0%	No	No		Not started	Gunnar Mildh, Ericsson
F	50096	G3	Rel-6	No	Alignment between the test-regimes for GERAN capable MS	ALTERE	TSG	Fri 29/08/03	Fri 27/08/04	80%	No	No			Toubassi, Ericsson
BB	50097	G3	Rel-6	No	Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.	ALTERE-TC	TSG	Fri 29/08/03	Fri 27/08/04	80%	No	No		Started	
F	50444	GP	Rel-6	No	Addition of U-TDOA in the CS domain	UTDOACS	TSG	Fri 21/11/03	Fri 23/04/04	100 %	No	No		Completed, except for potential LMU performance specs	Bob Gross, Rhys Robinson, TruePosition, Inc.

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	50445	GP	Rel-6	No	Addition of U-TDOA in the PS domain	UTDOA PS	TSG	Fri 27/06/03	Fri 12/11/04	5%	No	No		Started	Bob Gross, Rhys Robinson, TruePosition, Inc.
F	50101	GP	Rel-6	No	Advanced Receiver Performance	ARP	TSG	Fri 21/11/03	Mon 28/02/05	23%	No	No			Tommy Bysted, Nokia
BB	50102	GP	Rel-6	No	ARP test scenarios	ARP-TS	TSG	Fri 21/11/03	Fri 27/08/04	45%	No	No		Started	Tommy Bysted, Nokia
BB	50103	GP	Rel-6	No	ARP for GMSK modulated voice services	ARP-GMSK	TSG	Fri 06/02/04	Fri 12/11/04	15%	No	No		Started	Tommy Bysted, Nokia
WT	50104	GP	Rel-6	No	Performance requirements in 45.005	ARP-GMSK-Perf	TSG	Fri 06/02/04	Fri 12/11/04	15%	No	No		Started	
WT	50105	GP	Rel-6	No	Radio subsystem link control in 45.008	ARP-GMSK-LC	TSG	Fri 06/02/04	Fri 12/11/04	15%	No	No		Started	
BB	50106	GP	Rel-6	No	ARP for GPRS and EGPRS MCS1-MCS4	ARP-GPRSE	TSG	Fri 06/02/04	Fri 12/11/04	10%	No	No		Started	Tommy Bysted, Nokia
WT	50107	GP	Rel-6	No	Performance requirements in 45.005	ARP-GPRSE-Perf	TSG	Fri 06/02/04	Fri 12/11/04	10%	No	No		Started	
WT	50108	GP	Rel-6	No	Radio subsystem link control in 45.008	ARP-GPRSE-LC	TSG	Fri 06/02/04	Fri 12/11/04	10%	No	No		Started	
BB	50115	GP	Rel-6	No	ARP Capability signalling	ARP-CAPSIG	TSG	Fri 21/11/03	Fri 25/06/04	60%	No	No		Started	Tommy Bysted, Nokia
BB	50116	G3	Rel-6	No	GERAN MS Conformance test for ARP	ARP-ConfTest	TSG	Fri 27/08/04	Mon 28/02/05	10%	No	No		Started	Tommy Bysted, Nokia
F	50109	G2	Rel-6	No	Reduction of PS service interruption in Dual Transfer Mode	PSintDTM	TSG	Fri 21/11/03	Fri 12/11/04	50%	No	No			Toby Proctor, Siemens
BB	50110	G2	Rel-6	No	Use case and requirement definition	PSintDTM-Req	TSG	Fri 21/11/03	Fri 23/04/04	100 %	No	No		Started	Toby Proctor, Siemens
BB	50111	G2	Rel-6	No	Performance Study of Current Procedures	PSintDTM-Perf	TSG	Fri 21/11/03	Fri 23/04/04	100 %	No	No		Started	Toby Proctor, Siemens

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	50112	G2	Rel-6	No	Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures	PSintDTM-Reduct	TSG	Fri 23/04/04	Fri 25/06/04	25%	No	No		Started	Toby Proctor, Siemens
BB	50113	G3	Rel-6	No	MS Conformance testing	PSintDTM-ConfMS	TSG	Fri 25/06/04	Fri 12/11/04	0%	No	No		Not started	
BB	50114	G3	Rel-6	No	BTS Conformance testing	PSintDTM-ConfBTS	TSG	Fri 25/06/04	Fri 12/11/04	0%	No	No		Not started	
F	12008	N4	Rel-6	No	CAMEL prepay interworking with SCUDIF	SCCAMEL		Mon 08/12/03	Tue 05/10/04	0%	No	No			
F	31046	S1	Rel-6	No	Circuit Switched Video and Voice Service Improvements	CS_VSS	TSG	Mon 12/01/04	Fri 29/10/04	39%	No	No			John Watson, Vodafone Group
BB	31047	S1	Rel-6	No	Stage 1 - Requirements		TSG	Mon 12/01/04	Thu 14/10/04	100 %	No	No			John Watson, Vodafone Group
BB	32071	S2		No	Stage 2 Study on architecture alternatives			Mon 12/01/04	Fri 13/08/04	80%	No	No			
BB	32072	S2		No	Stage 2 description on Redial			Mon 03/05/04	Fri 29/10/04	0%	No	No			
BB	13017	N3	Rel-6	No	DELETE - CN3 Part		TSG	Mon 12/01/04	Thu 14/10/04	0%	No	No			
BB	52137	G2	Rel-6	No	GERAN2 Part		TSG	Mon 12/01/04	Thu 14/10/04	0%	No	No			
F	32064	S2		No	Access Class Barring and Overload Protection	ACBOP	TSG	Mon 15/03/04	Tue 30/11/04	20%	No	No			Chris Pudney, Vodafone
BB	32065	S2		No	TR on Stage 2		TSG	Mon 15/03/04	Tue 30/11/04	42%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	20009	RP		No	Extra ACBOP information in RAN		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	25.331		
BB	50117	GP		No	Extra ACBOP information in GERAN		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	44.018		
BB	20010	RP		No	Potential impact on Iu interface Overload functionality		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	25.413		
F	32066	S2		No	Combining CS bearers with IMS	CSI	TSG	Mon 15/03/04	Tue 30/11/04	0%	No	No			Mark Watson, Nortel Networks
BB	32067	S2		No	TR on Alternative Architectures for Combining CS Bearers with IMS		TSG	Mon 15/03/04	Tue 30/11/04	0%	No	No			
F	31048	S1		No	USSD message delivery and transfer to USIM		TSG	Thu 18/03/04	Fri 15/10/04	10%	No	No	22.090		