

Technical Specification Group Services and System Aspects

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Technical Specification Group Services and System Aspects

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Meeting #27 Tokyo, Japan

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Draft Report

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the meeting and thanked the hosts, The Japanese Friends of 3GPP, Association of Radio Industries and Businesses (ARIB) and the Telecommunication Technology Committee (TTC) for inviting TSG SA to Tokyo, Japan. Dr. Sato from ARIB welcomed delegates on behalf of the hosts and wished TSG SA a successful meeting and elections for new Chairmen and Vice Chairmen. A social event had been kindly arranged by Advantest, Fujitsu, Mitsubishi Electric, NEC, NTT DoCoMo, Panasonic Mobile Communications, Sony Ericsson Mobile Communications and Toshiba for TSG SA delegates on the evening of Monday 14 March.

[TD SP-050157](#) Formal letter of support for continuation of current term of TSG SA and GERAN chairmanship. According to the 3GPP Working Procedures, the Vice Chairman, Mr. Gary Jones, asked the meeting whether there was any objection to Mr. Niels Peter Skov Andersen, to continue chairing the meeting, as he had changed companies since the last TSG SA meeting. There was no objection to this.

2 Approval of Agenda and Meeting report of SA Meeting # 26

2.1 Approval of the Agenda

[TD SP-050001](#) Draft agenda for TSG SA meeting #27. The draft agenda was introduced by the TSG SA Chairman, and was reviewed and **approved**.

The TSG SA Chairman reminded delegates of their company's ~~ies~~ 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/lpr/>).

2.2 Approval of the meeting report of TSG SA Meeting # 26

[TD SP-050002](#): Draft report of TSG SA meeting #26. The draft Report of the previous meeting of TSG SA was reviewed and **approved**.

3 Election of officials for 3GPP TSG SA

[TD SP-050079](#) List of applicants for the offices of Chairman and Vice Chairmen for TSG SA. This was provided for information about the Candidatures for the posts of Chairman and Vice Chairmen of TSG SA. The document was **noted**.

[TD SP-050080](#) Elections: a practical guide. This was provided for information by MCC to provide guidance on the Voting procedures that were expected at the meeting. The document was **noted**.

[TD SP-050157](#) Formal letter of support for continuation of current term of TSG SA and TSG GERAN chairmanship. This was provided for information and was **noted**.

The TSG SA Chairman asked if there were any other candidates for TSG SA Chairman. None were signalled and the only candidate, **Mr. Stephen Hayes was appointed to the position of TSG SA Chairman.**

The first position of Vice Chairman had a single Candidate, **Ms Yuhong Huang (China Mobile Communications Corporation) who was appointed to the first position of TSG SA Vice Chairman.**

The second position of Vice Chairman had 2 Candidates, Mr. Armin Toepfer (Vodafone D2 GmbH, ETSI) and Mr. Nick Sampson (Orange SA, ETSI). The results of the first ballot was as follows:

Mr. Armin Toepfer:	52 Votes (66%)	Total Votes cast: 79	Proxy Votes cast: 12
Mr. Nick Sampson	26 Votes (33%)	Abstentions: 1	

Mr. Nick Sampson decided to withdraw from a second ballot round and **Mr. Armin Toepfer was therefore appointed to the second position of TSG SA Vice Chairman.**

The third position of Vice Chairman had 2 Candidates, Mr Hee Joung Lee (LG Electronics Inc., TTA) and Mr. Nick Sampson (Orange SA, ETSI). The results of the first ballot was as follows:

Mr Hee Joung Lee:	40 Votes (49%)	Total Votes cast: 81	Proxy Votes cast: 12
Mr. Nick Sampson	41 Votes (51%)	Abstentions: 0	

A second round ballot was therefore needed. It was explained that the second round ballot, if there are only 2 candidates, then a simple majority Vote was needed to elect the successful candidate. The results of the first ballot was as follows:

Mr Hee Joung Lee:	40 Votes (50%)	Total Votes cast: 80	Proxy Votes cast: 12
Mr. Nick Sampson	40 Votes (50%)	Abstentions: 0	

As there was 50% for each candidate on the final ballot, the TSG SA Chairman undertook to take the issue to the PCG explaining the final results of the election for the third position of TSG SA Vice Chairman.

NOTE: All election results need to be ratified by the PCG who will consider regional balance over all of the TSG Officials.

4 Items for immediate consideration

There were no specific contributions under this agenda item.

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

There were no specific contributions under this agenda item.

6 Letters / Reports from other groups

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

TD SP-050012 LS (from SA WG2) on removal of Ry reference point. This was introduced by the SA WG2 Chairman and asked TSG SA to consider the analysis from CN WG3 related to the attached CR (S2-050477) for approval. The document was **noted** and delegates were asked to consider this for the approval of CRs under agenda item 7.2.3.

TD SP-050016 Reply LS (from CN WG3) on removal of Ry reference point. This was introduced by the TSG CN Chairman and suggests to TSG SA to approve the CR S2-050477, which has been agreed by SA WG2 under the condition that it does not lead to stage 3 implementation problems. This was noted and delegates asked to consider this for the approval of CRs under agenda item 7.2.3.

TD SP-050017 LS (from CN WG3) on Tracing information for MBMS services. This was introduced by the TSG CN Chairman and asked TSG SA to grant an exemption for Rel-6 for the completion of work to introduce tracing capability to the Gmb interface. The exemption would extend the timescales for this work to June 2005. It was noted that this may need more work in RAN WGs after the CT WGs have completed the work. **It was agreed that WGs would be asked to work on this for Rel-6 and that TSG SA would review progress at the next TSG SA meeting and decide if it should be kept in Rel-6 or not.**

TD SP-050018 LS from CN WG1: Misalignment amongst the 3GPP specifications, "Re-authentication and key set change during inter-system handover". This was introduced by the CN WG1 Chairman. At CN WG1#33 meeting in February 2004, a misalignment amongst the 3GPP specifications on handling of key sets from Release 1999 between the terminal and the network was identified. At that meeting, CN WG1 concluded that the inter-system handover from GERAN to UMTS procedures after re-authentication (i.e. 'late AKA') would always fail, if the handover occurred before the new keys were taken into use. Since CN WG1 was of the opinion that a re-authentication in the CS domain may be a rare event in Release 1999 and also to avoid creating problems for the existing Release 1999 mobiles, corrections in Rel-5 and onwards were judged to be sufficient. After the work was done in CN WG1 and SA WG3, RAN WG2 informed CN1#37 in N1-042013 (R2-042611) that RAN WG2 will not align their TS 25.331 with approved stage 2 and stage 3 in other Working Groups. CN WG1 requested TSG SA to provide a way forward on this issue.

The TSG RAN Chairman explained that the problem was that this would be a non-backwards compatible change and that TSG RAN did not see a strong need to implement this in Rel-5 or earlier. TSG SA discussed this and considered this functionality was necessary for Rel-5 onwards and **TSG SA asked TSG RAN WGs to align their specifications to the work done in the other WGs for Rel-5 onwards.**

6.2 Partners and their bodies

TD SP-050009 LS from ETSI TC TISPAN: About the Workshop on "IMS over Fixed Access" (30-31 March 2005). This was introduced by the SA WG2 Chairman. ETSI TISPAN asked:

- SA2 (on behalf of the 3GPP) to coordinate the preparation of the Workshop Agenda with TISPAN and the other interested OPs.
- SA2 to coordinate with the concerned 3GPP Working Groups the issues intended to be addressed in the Workshop.
- SA2 to ensure that the 3GPP Organisations Partners are all invited and informed of the above range of issues on the agenda.

ETSI TISPAN looks forward to a fruitful co-operation with the 3GPP (and other interested SDOs) to meet the "IMS over Fixed Access" convergence objectives. The LS was **noted**.

TD SP-050011 LS from OMA MWG MMSG: MMSG response regarding Web Services. This was provided to TSG SA for information and was **noted**.

TD SP-050161 LS from ETSI TISPAN: Applicability of TISPAN PSTN ISDN simulation service. This was introduced by the SA WG2 Secretary. ETSI TC TISPAN provided TSG SA with the status of the work and to consider if the IMS-based Telephony service- being defined by TISPAN is applicable also to mobile networks and their users. TISPAN also requested feedback on the IMS based Telephony service to ensure that the service can also work in a mobile environment. It was proposed that SA WG1 and CN WG1 should work together with TISPAN to ensure that the IMS telephony developed by TISPAN will ~~will~~ be compatible with the 3GPP system. It was also proposed that the architecture should also be checked for compatibility with the 3GPP IMS architecture. TISPAN also pointed out that they would need early availability of Rel-7 specifications in order for them to develop their fixed network specifications in line with the 3GPP system. **It was agreed to forward this LS to SA WG1 to consider the service aspects** and 3GPP will try to complete relevant Rel-7 specifications in good time for use by TISPAN.

6.3 Others

TD SP-050003 Liaison (from ITU-T Q11/12 Rapporteurs) on QoS Interworking. This was introduced by the SA WG4 Secretary and requested:

- Input regarding work in the addressed areas that may be relevant, e.g. in particular deliverables satisfying the pre-requisites for performance apportionment.
- 3GPP collaboration.

- Participation in and Contributions to Study Group 12 advancing this work.

The liaison was discussed and WGs were asked to consider any work ongoing in this area and provide any relevant input to ITU-T. The LS was then [noted](#).

[TD SP-050004](#) LS from ITU-T SG12: Additional information on "Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors". This was introduced by the SA WG4 Secretary. This was provided for information and reported the mapping of QoS classes that has been done. TSG SA asked SA WG2 to consider this and ITU-T Recommendation Y.1541, in [TD SP-050005](#) and the liaison was [noted](#).

[TD SP-050005](#) LS from ITU-T SG12: Revision of Recommendation Y.1541, "Network Performance Objectives for IP-based Services". This was introduced by the SA WG4 Secretary. SA WG2 were asked to consider this revision and contribute to ITU-T as necessary. The LS was then [noted](#).

[TD SP-050006](#) LS from ITU-T SG12: Response to 3GPP Reply on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors. This was introduced by the SA WG4 Secretary. ITU-T SG12 informed SA WG2 that they fully understand the differences between the scope of TS 23.107 and ITU-T Recommendation Y.1541 and provided a figure to help SA WG2 participants to see how the UMTS Bearer Services correspond to the UNI to UNI Network Performance Objectives specified in Y.1541. It was commented that this only addresses a full All-IP network scenario and the problems which may be associated with transitional or hybrid network architectures are not considered by ITU-T SG12. SA WG2 were asked to consider this in their meeting and the LS was [noted](#) by TSG SA.

[TD SP-050007](#) LS from Q.1/19 to SDOs. ITU-T Q1/19 invited 3GPP to input documents related to architecture studies on systems beyond IMT-2000 so that they may take them into account as they progress their studies. This was considered relevant for SA WG2. **The LS was [noted](#) and will be forwarded to SA WG2 for consideration.**

[TD SP-050008](#) LS from OMA: OMA Work Programme information availability update. This was introduced by O2 and provided an update on recent ~~change~~ liaison exchanges on access to work programme data in OMA. The Work Programme manager (A. Sultan) was asked to consider this for the 3GPP dependencies and to continue the liaison with OMA on their Work Programme status. The LS was then [noted](#).

[TD SP-050130](#) eCall Directive. This was introduced by J. Meredith, MCC and was provided to make the wider 3GPP community aware that the European Commission is putting heavy emphasis on establishing the eCall service, and to warn equipment suppliers and network operators that legislation is likely to enforce the obligatory provision of the service within the medium term. This was already brought to the attention of some WGs and is being considered. It was noted that the requirements needed clarification on the expected operation (e.g. (U)SIM needed or not). The document was [noted](#) and Members were invited to read the Directive and consider the impacts on their Companies' business.

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-050054](#): Status Report of SA1 to SA #26. This was introduced by the SA WG1 Chairman, using the presentation slides provided in [TD SP-050053](#).

Questions and Comments:

Slide 13: AIPN SWG, It was clarified that the topics covered Moving Networks, Ad-hoc Networks, Personal Networks and PANs and looked at new functionalities that would be needed for the 3GPP system. It was also reported that the future of this work needs further study in SA WG1 and this is included in the TR 22.978. It was [noted](#) that before any more work is done in this area CT WG1 and RAN WGs need to be consulted.

Slide 14: There is a need for a clear working process between SA WG1 and SA WG2 as work on 3GPP System Architecture Evolution in SA WG2 will consider the results of the AIPN Feasibility Study. It was commented that good communication should be held to transfer this work to SA WG2 in order that SA WG2 do not have to start from scratch in the concepts of AIPN. The SA WG1 Chairman responded that there will

be a joint meeting in April 2005 with SA WG2 and that as the document is a TR, SA WG2 could not be expected to follow all the "requirements" but some discussion between the groups can establish a common understanding of the working procedure and future development of these networks.

Slide 16: Multisystem SWG: It was commented that the use of the term Definition of "Non-3GPP system" was misleading as WLAN is not really a system, but is an Access system, and should not be included in a list of systems which contain a Core Network. There was also a request for a definition of a "3GPP system", SA WG1 had tried to develop such a definition, but had not succeeded.

It was noted that there is still a vacancy for SA WG1 Vice Chairmanship and candidates were sought.

The SA WG1 Chairman was thanked for his report, which was [noted](#).

7.1.2 Questions for advice from TSG SA WG1

GUP WID update:

- Based on a request from CN WG4 the GUP WID was updated to reflect the decision to make TS 23.241 a Technical Report TR 23.941.
- Furthermore, it was agreed in SA WG1 that the leadership of the GUP work should be moved to CN WG4.
 - Endorsement of this decision is requested from TSG SA (as a consequence to further update of the WID will be necessary).

TSG SA decided that SA WG1 should have the GUP Feature responsibility, as CT WG4 have a Building Block for their GUP work. The GUP WID was modified in [TD SP-050078](#) (see agenda item 7.1.3).

7.1.3 Approval of contributions from TSG SA WG1

CRs:

[TD SP-050055](#) CRs to 21.905 on Introduction of RAN Information Management (Rel-5, Rel-6). These CRs were [approved](#).

[TD SP-050056](#) CRs to 22.078 on Removal of Announcement Suppression in CAMEL control of IMS (Rel-5, Rel-6, Rel-7). These CRs were [approved](#).

[TD SP-050057](#) CRs to 22.038 on References corrections (Rel-6, Rel-7). These CRs were [approved](#).

[TD SP-050058](#) CRs to 22.101 on Clean-up in Core Network Operator Name Indication section (Rel-6, Rel-7). These CRs were [approved](#).

[TD SP-050059](#) CRs to various TSs on Removal of Reference to TS 22.121 (Rel-6, Rel-7). These CRs were [approved](#).

[TD SP-050060](#) CRs to 22.228 on Tel-URI related reference update (Rel-6, Rel-7). It was questioned whether there were any differences between RFC 2806 and RFC 3966 and whether this CR should also be applied to Rel-5. These CRs were [approved](#) and **CT WG1 were asked to check whether this also affects Rel-5**.

[TD SP-050061](#) CRs to 22.234 on Service Requirements for I-WLAN (Rel-6, Rel-7). CR014 was [approved](#) and CR013 was returned to SA WG1 for update to clarify the clause 6.3 for SMS and MMS services.

[TD SP-050062](#) CR to 22.340 to remove deferred messaging requirements (Rel-6). This CR was [approved](#).

[TD SP-050063](#) CRs to 22.011 on Addition of 'Network Control of UE Capabilities' and to correct an error (Rel-7). Siemens objected to the inclusion of the services list. It was explained that as this is a Rel-7 CR, there was always time for further discussion and modification of the list. It was also commented that the list given were not all services but were protocol discriminators. These CRs were [approved](#) and it was [noted](#) that this requires further study and update to the list of services. **Contribution from concerned Member companies was invited to SA WG1 to clarify and develop this.**

[TD SP-050064](#) CR to 22.078 on Support for CAMEL Trunk Originated Trigger Detection Points (Rel-7). This CR was **approved**.

[TD SP-050065](#) CR to 22.217 Add Service Broker Requirement (Rel-7). There was an objection that the addition of the proposed text would make the requirements unclear and cause much discussion in other WGs. The CRs were therefore sent back to SA WG1 for clarification and SA WG1 were asked to liaise with other impacted groups and return with an agreeable CR.

[TD SP-050066](#) CRs to 22.234 on Over-the-air update of I-WLAN operator lists and editorial changes (Rel-7). It was clarified that SA WG1 did not intend to document the technical solution for update and used generic "over-the-air" update. It was also noted that the impacted specifications list should not include 23.234 or 24.234 as they are not impacted. These CRs were **approved**.

[TD SP-050067](#) CR to 42.068 on Sending of SMS to VGCS group Ids. A minor error in clause 7.21 (resp. -> respectively) was corrected in [TD SP-050174](#) and the CR was **approved**.

TSs and TRs:

[TD SP-050068](#) TR 22.935 (v1.0.0) - Feasibility Study on Location Services (LCS) for Interworking-WLAN. This TR was provided for information and was **noted**. Members were asked to review the document and provide any comments to SA WG1.

[TD SP-050069](#) TR 22.978 (v2.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7). It was clarified that this TR was considered complete, as it covers the objectives of the original WID. CRs may be made to the TR to update it. This TR was **approved** and placed under TSG SA change control as version 7.0.0 (Rel-7).

[TD SP-050070](#) TR 22.979 (v2.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7). This TR was **approved** and placed under TSG SA change control as version 7.0.0 (Rel-7).

[TD SP-050185](#) CRs forgotten after SA#26. These CRs had not been implemented after TSG SA meeting #26 as the MCC support officer did not know they had been approved. They were re-submitted with new CR numbers for administrative and tractability reasons. These CRs were **approved**.

WIDs:

[TD SP-050071](#) Update to GUP WI. This was covered by the Lucent Technologies contribution in [TD SP-050078](#).

[TD SP-050078](#) Update to the GUP WI. This was introduced by SA WG1 Chairman and was reviewed. Some modifications were made and the WID was revised in [TD SP-050180](#) and was **approved**.

[TD SP-050072](#) Update of AIPN Feasibility Study WID. This was revised to remove the Feasibility Study from the title in [TD SP-050181](#) which was **approved**.

[TD SP-0500173](#) Updated WID on Network Protection. This was revised to correct CN1 to CT1 in [TD SP-050182](#) which was **approved**.

[TD SP-050074](#) Update of WID for Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism. The SA WG1 Chairman reported the intention to present the resultant TS 22.279 for approval in June 2005 rather than for information. [NEC commented that the finalisation of this TS in time for approval in June 2005 did not seem very likely as the work was not very advanced at present and SA WG1 were only planning to bring the Stage 1 work to TSG SA in June 2005 for information. Nortel agreed that the work on this TS was probably not as advanced as suggested in the SA WG2 information provided to TSG SA.](#) TSG SA noted ~~this the~~ intention [of SA WG2 to present the TS for approval](#) and would make the decision on whether or not to approve the TS when it is presented ~~by SA WG1~~. This revised WI description was [then approved](#).

[TD SP-050075](#) New WI on Improvements of VGCS in public networks for parallel use of service. This WI description was **approved**. SA WG1 were asked to seek advice from GERAN WG1 for the timescales for their related work.

TD SP-050076 New WI on Rel-7 OSA enhancements. There was a request to change the title to reflect the changes being made (i.e. Service Brokering). It was considered to be an important functionality so it was revised in TD S3-050183 which was **approved**.

TD SP-050077 New WI on Review of Network Selection Principles. There was some concern over the "end-user interaction and interface" as the specification of the MMI for Network Selection is outside the scope of 3GPP. It was **noted that this work would need the collaboration of many of Relevant the WGs and SA WG1 should keep other WGs involved**. The WI was revised in TD S3-050184 and the scope reduced to only "Study of Network Selection", which was **approved**.

TD SP-050155 Proposed WID: Videotelephony teleservice. This was introduced by T-Mobile. There was some off-line discussion over the objective and scope and the WID was revised in TD SP-050189 and was **approved**.

MCC were asked to update ~~the existing~~ any new Work Item Sheets and any WI sheets which are revised in the future, to change the instances of CN and T WGs to the corresponding CT WG references.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-050103: SA WG2 Status Report. This was presented by the SA WG2 Chairman.

Questions and Comments:

Slide 20: Access Class Barring and Overload Protection. It was commented that Domain Specific Access Class Barring (DSAC) is a Rel-6 WI and should be complete now. It was clarified that the TR being presented to this meeting for approval is sufficient from the SA WG2 view and no changes to their specifications will be needed for Rel-6.

Slide 22: Study on E2E QoS Enhancements (TR 23.802). It was commented that the TR shouldn't be presented to a meeting for the first time for approval. The SA WG2 chairman agreed that this was not the intention for this TR and it may be presented for information in June 2005. It was also commented that the TR is well advanced and according to schedule it should have been presented to this meeting for information. It was considered important by some Members that SA WG2 finalise the TR.

It was clarified by the SA WG2 chairman that SA WG2 used internal TRs for developing their work before producing a TS or CRs and some of these TRs are then withdrawn instead of presenting for approval. It was not clear what would happen for these TRs.

It was commented that the TS 23.107 was also applicable to GERAN for some time now and this should be reflected in the specifications list. The specifications manager was asked to do this. SA WG2 were asked to reflect this in the scope section of the specification accordingly.

Slide 25: 3GPP System Architecture Evolution. It was asked whether SA WG2 have held discussions about the impacts of an All-IP network on legacy networks. The SA WG2 Chairman responded that this was under discussion and the compatibility of functional elements with legacy systems will also be taken into account.

Slide 21: Combination of CS and IMS (TR 23.899). It was commented that this TR had only been produced at the last SA WG2 meeting and it may not be mature enough for approval at the next meeting.

Slide 23: ~~The RAN Chairman confirmed~~ Alcatel commented that the GALILEO specifications were now available.

Slide 17: It was noted that Velocity Request and Reporting was a Rel-7 item, not Rel-6.

Slide 25: The joint session between SA WG1 and SA WG2. The SA WG2 chairman reported that no more joint sessions had been finalised but there was an opportunity to explore with RAN WGs during May, when the groups are co-located in Athens.

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

7.2.2 Questions for advice from TSG SA WG2

[TD SP-050010](#) LS (from SA WG2) on OSA Stage 2 - A cross-releases Overview. This was introduced by the SA WG2 Chairman. If TS 23.198 is approved at TSG CN Plenary Meeting #27 then TS 23.127 can be withdrawn from Rel-6 onwards. **As this had been approved by TSG CN, it was agreed to withdraw TS 23.127 from Rel-6 onwards.**

[TD SP-050013](#) Reply to Liaison Statement (from SA WG2) on Status of OMA Mobile Broadcast Services. This was introduced by the SA WG2 Chairman and was provided for information and was [noted](#).

[TD SP-050014](#) Reply LS (from SA WG2) on the Workshop on "IMS over Fixed Access" (30th – 31st March 2005). This was introduced by the SA WG2 Chairman. SA WG2 endorsed the proposals for the Workshop and encouraged delegates from the relevant 3GPP WGs to attend the Workshop. This was provided to TSG SA for information and was [noted](#).

[TD SP-050015](#) LS (from SA WG2) on status of 3GPP System PS domain services over WLAN 3GPP IP access in Rel-6. This was introduced by the SA WG2 Chairman and was provided for information and was [noted](#).

7.2.3 Approval of contributions from TSG SA WG2

TSs and TRs:

[TD SP-050116](#) TR 23.898 V2.0.0: Access Class Barring and Overload Protection; (Release 7). This TR was [approved](#) and placed under TSG SA change control as version 7.0.0 (Rel-7).

[TD SP-050117](#) TR 23.804 V1.0.0: Support of SMS and MMS over generic 3GPP IP access; (Release 7). This TR was provided for information and was [noted](#). Members were asked to review the document and provide any comments to SA WG2. It was suggested that CT WG1 is asked specifically to review this TR to check the SMS functionality. The CN WG1 Chairman was asked to ensure it is input to the next CT WG1 meeting.

[TD SP-050118](#) TS 23.279 V1.0.0: Combining CS and IMS services; Stage 2; (Release 7). It was asked how this was considered stable before the service requirements had been developed (Stage 1). **The TSG SA Chairman asked Members to ensure contribution was made to the Stage 1 work to avoid any re-working that may be needed to the stage 2 and stage 3 when the requirements are agreed.** This TS was provided for information and was [noted](#). Members were asked to review the document and provide any comments to SA WG2 and to contribute to the progression of the Stage 1.

CRs:

[TD SP-050104](#) CRs to 23.002. CR148 was questioned as the D'/Gr' interfaces introduced do not have a stage 3 implementation. It was noted that this was already used in the specification. These CRs were [approved](#). SA WG2 were asked to check the use of D'/Gr' and check alignment with other specifications.

[TD SP-050105](#) CRs to 23.060. It was noted that the CR cover sheets for CRs 525 and 526 were not marked as Revision 1. These two CRs were corrected in [TD SP-050176](#) which was [approved](#). The other CRs in this package were [approved](#).

[TD SP-050106](#) CRs to 23.125. These CRs were [approved](#). CR 119R2 was marked as category D but changed a "may" to "shall". It was therefore [approved](#) as a **Category "F"** CR.

[TD SP-050107](#) CRs to 23.228. These CRs were [approved](#).

[TD SP-050108](#) CRs to 23.234. These CRs were [approved](#). CR 118R1 added the text: "3GPP PS based services which use more than IP connectivity (e.g. SMS, MMS, MBMS) could require additional entities and interfaces not specified in this document." And it was reported that SA WG1 had not been explicit informed of this. The SA WG1 Secretary was asked to inform SA WG1 of this and SA WG1 were asked to review this specification for consistency.

[TD SP-050109](#) CR to 23.240. This CR was [approved](#).

TD SP-050110 CRs to 23.246. These CRs were **approved**.

TD SP-050111 CR to 23.251. It was **noted** that this CR should be Category F as it makes a non-editorial correction to a reference. This CR was therefore **approved** as a **Category "F"** CR.

TD SP-050112 CRs to 23.271. These CRs were **approved**.

TD SP-050113 CR to 23.903. This CR was **approved**.

TD SP-050160 CR to 23.979. This CR was **approved**.

TD SP-050115 CR to 23.981. This CR was **approved**.

WIDs:

TD SP-050119 ~~WID on Velocity~~ WID for LCS Enhancements. It was asked whether this should be a sub Work Item of IMS Emergency Calls. The SA WG2 Chairman responded that the IMS emergency Calls TR was intended to provide CRs to specifications. This WI description was **approved** and SA WG2 were asked to check the best place for the IMS Emergency Call work.

TD SP-050120 WID on Voice call continuity between CS and IMS (incl. I-WLAN). NEC asked to be added to the list of supporting companies. It was questioned how the requirements for the work will be determined. It was reported that this is a feasibility study in SA WG2 for the first phase of the work and the requirements should be evaluated by SA WG1 when the study TR is made available. It was proposed to add SA WG1 to the Work Item in order that they can start working on the requirements. The WID was revised in TD SP-050177 which was reviewed and **approved**. **SA WG1 were asked to check this WID from the requirements perspective and provide input to SA WG2.**

TD SP-050121 WID on Enhancement of I-WLAN Scenario 3. It was clarified that 23.234 should not be impacted immediately, as the feasibility study would not generate CRs. The WID may need to be revised after the study is complete. This WI description was **approved**.

TD SP-050122 Update to SA1 WID on Selective Disabling of UE capabilities. This was a proposed update to a SA WG1 WID, but did not contain revision marks to show the update. ~~Also~~ In addition, another revision of this WID was provided by SA WG1 in TD S3-050073 so SA WG2 **withdrew** this document and were asked to collaborate with the SA WG1 Chairman and produce a joint proposal for presentation to TSG SA at the next meeting.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-050124 Draft Report of SA WG3 meeting #37. This report was provided for information, and was **noted**.

TD SP-050123 SA WG3 Status Report to SA#26. This was presented by the SA WG3 Chairman.

It was reported that a Vice chairman of SA WG3 for many years, our respected colleague, Michael Marcovici passed away 2nd February 2005.

Questions and Comments:

Slide 13: The decision that "whatever solution is chosen for Fixed IMS Access should not reduce the level of security for the Existing 3GPP IMS Access" was explained to mean that the solution should not offer an opportunity for attackers to compromise security by using any Fixed IMS access security weakness. It was recognised that the solutions found for Fixed IMS access would need to be examined by the security groups. This was an SA WG3 policy statement and the details of the TISPAN requirements are still to be determined.

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

7.3.2 Questions for advice from TSG SA WG3

TD SP-050144 LS (from SA WG3) on HTTPS connection between an UICC and a network application function. This was introduced by the SA WG3 Chairman. Several companies expressed interest for the usage of HTTPS connection between an UICC-based application and a network application function (NAF) to secure the access to services over HTTP (according to TS 33.222). SA WG3 has agreed upon the working assumption that the HTTPS connection between an UICC-based application and a NAF is an option for TS 33.222. The impacts of this option have not yet been thoroughly studied and several companies expressed concerns in particular on the impact on the NAF. Since several companies support the presence of this option for Rel-6 TS 33.222, SA WG3 would like to extend the study of this solution until next SA3#38 meeting, and asked TSG SA to allow SA WG3 to present a Rel-6 CR to TS 33.222 at the June 2005 Plenary meeting according to the final decisions made at the next SA WG3 meeting. Nokia commented that this was a late inclusion of functionality in rel-6 and would not like this to be allowed. TIM supported the extension proposed by SA WG3 in order to get this important feature included in Rel-6. However, the TSG SA Chairman pointed out that the SA WG3 work completion would entail extra work in other groups. Ericsson thought the impact on the work and OMA relationship for this work had not been fully analysed and it should not be allowed for Rel-6. Orange supported inclusion in Rel-6. The CN WG1 Chairman reported that the work required in CT WG1 would mean that this is a request for at least 6 months extension.

TSG SA decided that the completion of any necessary Stage 3 work couldn't be done until September 2005, which is regarded as too late for Rel-6 inclusion, however TSG SA asked for this work to be completed with urgency by the impacted WGs. **If the complete work is presented to TSG SA in June 2005 then it could be considered for inclusion in Rel-6 at that time.**

TD SP-050135 Reply LS (from SA WG3) to 'Status of OMA Mobile Broadcast Services'. This was introduced by the SA WG3 Chairman. SA3 is concerned about the possible duplication of work in the area of 'Service Protection'. TS 33.246 (Security for MBMS) specifies a solution for service protection based on SRTP for streaming and a modified DCF format for download. Key Management is based on the MIKEY protocol. So SA3 would like to point out, that OMA BCAST could possibly re-use the MBMS specification:

- To 'authenticate and authorize the user' (clause 5.1),
- On 'key management and key distribution' (clause 5.2),
- On 'protection of the transmitted traffic' (clause 5.3)

SA WG3 asked OMA BCAST to update SA WG3 about progress on the above items and of significant changes to their specifications.

It was **noted** that the work had been done on Security by SA WG3 and it should not be necessary for OMA to duplicate this work. **This is an observed area of potential overlap and duplication of work between OMA and 3GPP.**

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-050125 One Rel-7 CR to 33.108: Aligning comments in National-HI3-ASN1 parameters with comments in National-HI2-ASN1 parameters (Rel-7). This CR was **approved**.

TD SP-050137 One Rel-6 CR to 33.203. This CR was **approved**.

TD SP-050138 Three Rel. 6 CRs to 33.200. These CRs were **approved**. It was **noted** that the CN WG4 CR related to this could now be confirmed as approved.

TD SP-050139 Three Rel-6 CRs to 33.220. These CRs were **approved**.

TD SP-050140 One Rel-6 CR to TR 33.919. This CR was **approved**.

TD SP-050141 Three Rel-6 CRs to 33.222. CRs 015R3 and 16R1 were approved. CR 017R2 was dependant upon a related LS in **TD SP-050144** which was reviewed and it was decided that the Editors note should be removed from the CR, so it was revised in **TD SP-050166** as CR017R3 which was **approved**. It was **noted** that the approval of CR015R3 meant that the related CN WG4 CR could also be confirmed as approved.

[TD SP-050142](#) Ten Rel-6 CRs to TS 33.234. The category of CR055 was questioned and it was decided that this should be Category F, given this, the CRs were then **approved**.

[TD SP-050143](#) Eighteen Rel. 6 CRs to 33.246. These CRs were **approved**.

TSs and TRs:

[TD SP-050136](#) TR 33.978: "Security aspects of early IMS" version 2.0.0. This TR was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

WIDs:

[TD SP-050145](#) New WID: Liberty Alliance and 3GPP Security Interworking. This WI description was **approved**.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

[TD SP-050081](#) SA WG4 Status Report at TSG SA#27. This was presented by the SA WG4 Chairman.

Questions and Comments:

Slide 28: [SA4 studying 3GPP2 proposal on adoption of 3GPP2 EVRC codec to 3GPP PoC](#). It was clarified that SA WG4 had discussed the number of Codecs to support and it was considered necessary to have some time to study the gains in quality against the impact of ~~mandating~~ defining two Codecs and SA WG4 had agreed to do this and return to the topic at their next meeting. [NEC reported that the SA WG4 understanding is that adopting the decoder only is sufficient. The SA WG4 Chairman confirmed that the proposal from 3GPP2 was originally to adopt the codec, but that the SA WG4 understanding is that adopting the decoder is enough.](#)

[Slide 28: SA4 studying 3GPP2 proposal on adoption of 3GPP2 EVRC codec to 3GPP PoC. It was clarified that SA WG4 had discussed the number of Codecs to support and it was considered necessary to have some time to study the gains in quality against the impact of defining two Codecs and SA WG4 had agreed to do this and return to the topic at their next meeting](#)

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

7.4.2 Questions for advice from TSG SA WG4

[TD SP-050102](#) Reply to Liaison Statement on Status of OMA Mobile Broadcast Services. This was introduced by the SA WG4 Chairman. SA WG4 pointed out to OMA BCAST, that OMA BCAST could possibly re-use the MBMS specification for:

- Metadata fragments definition for User Service Discovery/Announcement (clause 5.2),
- FLUTE for file delivery over point-to-multipoint bearers (clause 7). Note, FLUTE is re-used, when service announcements metadata fragments are carried over MBMS bearers.
- RTP transport for streaming delivery over point-to-multipoint bearers (clause 8)
- FEC framework for streaming (clause 8.2.1).
- Associated delivery procedures (i.e. File Repair and Reception Reporting) (clause 9)
- Media Codecs and formats (clause 10)

The LS was provided for information to TSG SA and was **noted**.

Request of endorsement

TSG SA Plenary is requested to "endorse" the Fujitsu algorithm for AMR Noise Suppressor (and put a sentence in the SA#27 meeting report that the Fujitsu algorithm for AMR-NS meets the minimum requirements given in TS 26.077).

The endorsement means that the algorithm is considered, based on SA WG4 analysis, to meet the recommended minimum performance requirements given in TS 26.077. There are no other implications. (See Slide 28 for further details on the endorsement.)

TSG SA endorsed the Fujitsu algorithm for AMR Noise Suppressor, which meets the minimum requirements given in 3GPP TS 26.077.

[TD SP-050159](#) Joint meeting RAN WG4-SA WG4 on MBMS (Sophia Antipolis, 4-6 April 2005): guidance for simulations and error patterns for the audio Codec characterisation tests. This was introduced by the TSG RAN Chairman and requested that SA WG4 and RAN WG4 delegates collaborate to try to get the required simulation modelling progressed. This was [noted](#) and Members were asked to co-ordinate this in their companies.

7.4.3 Approval of contributions from TSG SA WG4

TSs and TRs:

[TD SP-050085](#) 3GPP TS 26.406: "General audio Codec audio processing functions; Enhanced aacPlus general audio Codec; Conformance testing (Release 6)" Version 1.0.0. This TS was provided for information and was [noted](#). Members were asked to review the document and provide any comments to SA WG4.

[TD SP-050086](#) 3GPP TS 26.274 "Audio Codec processing functions, Extended Adaptive Multi-Rate - Wideband (AMR-WB+) Codec; Conformance testing (Release 6)" Version 1.0.0. This TS was provided for information and was [noted](#). Members were asked to review the document and provide any comments to SA WG4.

[TD SP-050087](#) 3GPP TS 26.412 "Source code for 3GP file format (Release 6)" Version 1.0.0. This TS was provided for information and was [noted](#). Members were asked to review the document and provide any comments to SA WG2.

[TD SP-050132](#) PSS-MMS-MBMS Audio Codec Characterization Test Plan. This test plan was developed by SA WG4 and was presented to TSG SA for approval. The test plan was [approved](#).

[TD SP-050082](#) 3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs (Release 6)" Version 2.0.0. It was [noted](#) that the FEC issue is still open and this is documented as an open issue in the TS. This TS was [approved](#) and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050083](#) 3GPP TS 26.273: "ANSI-C code for the Fixed-point Extended AMR Wideband Codec (Release 6)" Version 2.0.0. This TS was [approved](#) and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050146](#) 3GPP TS 26.411: "Enhanced aacPlus General Audio Codec; Fixed-point ANSI-C code (Release 6)" Version 1.0.0. This TS was [approved](#) and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050088](#) Report of FEC selection. This was introduced by the SA WG4 Chairman and summarized the activities carried out in SA WG4 for developing FEC at application layer. In SA WG4 there was no final agreement on the FEC algorithm selected for MBMS Rel-6. There was also no agreement on whether to adopt one or two FEC codes and whether to have one or both mandatory or not. Contributions were received on this subject in [TD SP-050164](#) and [TD SP-050165](#), which were reviewed.

[TD SP-050165](#) MBMS FEC selection. This was introduced by Telecom Italia S.P.A. on behalf of Telecom Italia S.P.A., Cingular Wireless, T-Mobile, Vodafone, and NTT DoCoMo. In order to avoid further jeopardizing the interoperability and guarantee the most extensive quality, availability and usability of the MBMS service for the mass market delivery, it was requested that for any service type (Download & Play and Streaming) only one MBMS FEC code is selected and is specified as mandatory. This was additionally supported by **3**, NEC Technologies and RIM.

[TD SP-050164](#) MBMS FEC codes. This was introduced by Siemens and proposed to approve the selection of the FEC codes at this TSG SA meeting. Based on this decision, SA WG4 should be asked to present the technical specification at next TSG SA plenary for approval.

[Frederic Gabin \(NEC\)](#) clarified that the LPDC Copper codes mentioned in the document were from NEC, and that NEC had found Raptor to outperform those codes, and had therefore given up on the LDPC Copper codes for the sake of progress.

It was **agreed** that there will be only a single FEC Code **mandated** for Rel-6 and **will be specified as mandatory agreement needs to be reached on which proposed FEC Code is chosen**.

After evening discussions, no agreement could be made and in order to progress the work and produce the specification it was **decided** that TSG SA would make the decision at the next meeting and the proponents were asked to provide a full solution set for both proposals in order that the final decision can be implemented immediately. The meeting was informed that there will be an [SA-WG4-Workshop-joint meeting RAN WG4 - SA WG4 on MBMS](#) which it was hoped could [help progressing](#) ~~agree~~ on a single solution proposal. If still no [consensus on a solution is reached](#) ~~solution is found~~, SA WG4 should post the arguments on the TSG SA e-mail list to provide early information to delegates. **SA WG4 were asked to provide a clear status report to TSG SA to help with any discussions.**

WIDs:

[TD SP-050089](#) New Work Item Description on Performance Characterization of VoIMS over HSDPA/EUL channels (Release 7). This WI description was **approved**.

[TD SP-050090](#) New WID for dynamic and interactive multimedia scenes (Release 7). It was clarified that the "multimedia scene" means the use of different medias on a single interface. It was reported that work on this has also started in OMA and that this activity should be coordinated with OMA if it is also done in SA WG4. It was decided to allow delegates more time to consider this WI and an off-line discussion was held, the WID was revised by Streamezzo as a result of these discussions in [TD SP-050191](#) which was reviewed. The relationship between this WI and SA WG4 SMILE was questioned. It was explained that this is an alternative method and could be used as well as SMILE. It was further clarified that SMILE cannot be used for some of the applications (e.g. [Multimedia Browsing](#)) where this proposal will handle these formats. There were comments that there was no service requirement in SA WG1 and therefore the aims of the WID was difficult to fully understand. It was also commented that there may be an overlap with OMA on the MMS aspects and this should be discussed with OMA before approving the WID. It was considered necessary to include a better description of the work item and this was provided in a [further](#) revision of the document, including the need to verify any overlap with existing protocols in 3GPP and with OMA work, in [TD SP-050194](#) which was again reviewed. It was decided to include information in the objectives about SA WG4 needing to look at this work to in relation with other SA WG4 work and OMA work in [TD SP-050195](#) which was **approved**. **It was noted that there had been many discussions in TSG SA, SA WG4 were asked to provide information on how this work relates to other work in SA4 and OMA.**

[TD SP-050091](#) New WID for Stage 3 Specification of Combining CS and IMS services (Release 7). This WI description was **approved**.

[TD SP-050100](#) Release 6 Submission Template for WI : MBMS User Services. As the FEC Codec issue was expected to be concluded at the next TSG SA meeting, this exception for late submission of MBMS for Rel-6 was **agreed**.

[TD SP-050101](#) Release 6 Submission Template for audio Codecs and related services. **It was agreed that this WI could be accepted for a late completion for Rel-6 (expected June 2005).**

CRs:

[TD SP-050092](#) CR TS 26.140 on Introduction of PIM and DRM (Release 6). This was revised in [TD SP-050175](#) and was **approved**.

[TD SP-050093](#) CRs TS 26.234 on Corrections to Extended PSS Protocols and Codecs (Releases 5 and 6). These CRs were **approved**.

[TD SP-050094](#) CR TS 26.244 on Extended presentations in 3GP files for MBMS (Release 6). This CR was **approved**.

[TD SP-050095](#) CRs TS 26.401, TS 26.405 and TS 26.410 on Corrections to Enhanced aacPlus Codec specifications (Release 6). These CRs were **approved**.

[TD SP-050096](#) CRs TS 26.290 and TS 26.304 on Corrections to Extended AMR-WB+ Codec specifications (Release 6). These CRs were **approved**.

[TD SP-050097](#) CR TS 26.235 on Correction of inconsistency regarding the maximum number of speech frames per RTP packets for PoC (Release 6). This CR was **approved**.

[TD SP-050098](#) CR TS 26.141 on Editorial correction on missing IMS Presence UA text (Release 6). This CR was **approved**.

[TD SP-050099](#) CRs TS 26.235 and TS 26.236 on Introduction of AMR SDP parameters and correction of reference (Releases 5 and 6). These CRs were **approved** and it was noted that for the changes in CR014R1 and 015R1, SA WG4 may need to come back with a CR to clarify the text.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

[TD SP-050020](#) Status report of SA WG5 to SA #27. This was presented by the SA WG5 Chairman.

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

7.5.2 Questions for advice from TSG SA WG5

There were no specific contributions under this agenda item.

7.5.3 Approval of contributions from TSG SA WG5

[TD SP-050021](#) CRs to 32.111-x Fault Management Alarm IRP. These CRs were **approved**.

[TD SP-050022](#) Rel-6 TS 32.111-5-200 Fault Management IRP XML definitions. This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050023](#) CRs to 32.151-2 Telecommunication management IRP Information Service (IS). These CRs were **approved**.

[TD SP-050024](#) CRs to 32.172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information Service. These CRs were **approved**.

[TD SP-050025](#) Rel-6 TS 32.175-100 Subscription Management (SuM) Network Resource Model (NRM) IRP XML definition. This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050026](#) CRs to 32.200-205 Charging principles - CS domain charging. These CRs were **approved**.

[TD SP-050027](#) CRs to 32.215-251 PS domain charging. These CRs were **approved**.

[TD SP-050028](#) Rel-6 TS 32.252-100 WLAN Charging. This TS was provided for information and was **noted**. Members were asked to review the document and provide any comments to SA WG5.

[TD SP-050029](#) CRs to 32.240 Charging architecture and principles. These CRs were **approved**.

[TD SP-050030](#) CRs to 32.225-260-299 IMS charging - Diameter charging applications. These CRs were **approved**.

[TD SP-050031](#) CRs to 32.270 MMS charging. These CRs were **approved**.

[TD SP-050032](#) WID on Rel-6 WT on PoC Charging. It was noted that the PoC TS was presented for information in [TD SP-050033](#) and this WID was presented after the work had been done. The SA WG5 Chairman responded that the need for PoC charging work had been agreed in 3GPP and the work item was produced as a formality for the work programme. It was expected that stage 3 PoC charging work would be ready in June 2005. This WI description was **approved**.

[TD SP-050033](#) Rel-6 TS 32.272-100 PoC Charging. This TS was provided for information and was **noted**. Members were asked to review the document and provide any comments to SA WG5. It was also **noted** that this may need to be aligned with OMA PoC work.

[TD SP-050034](#) Rel-6 TS 32.273-100 MBMS Charging. This TS was provided for information and was **noted**. Members were asked to review the document and provide any comments to SA WG5.

[TD SP-050035](#) CRs to 32.302-3-4 CM Notification IRP, 32323 Test management IRP CORBA SS. These CRs were **approved**.

[TD SP-050036](#) Rel-6 TS 32.333-100 Notification Log IRP CORBA SS. This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-050037](#) CRs to 32.341-3 Notification Log (NL) IRP. These CRs were **approved**.

[TD SP-050178](#) CRs to 32.352-3 Communication Surveillance (CS) IRP. Two CRs were included which had the same CR number, so the document was corrected in [TD SP-050179](#) and the CRs were then **approved**.

[TD SP-050039](#) CRs to 32.363 Entry Point (EP) IRP. These CRs were **approved**.

[TD SP-050040](#) CRs to 32.401-403-432 Performance Management (PM). These CRs were **approved**.

[TD SP-050041](#) CRs to 32.412-3 Performance Management (PM) IRP. These CRs were **approved**.

[TD SP-050042](#) WID Rel-7 OAM-Trace. This WI description was **approved**.

[TD SP-050043](#) CRs to 32.421-2-3 Subscriber and equipment trace. These CRs were **approved**.

[TD SP-050044](#) CRs to 32.602-3-4 Basic Configuration Management (CM) IRP. These CRs were **approved**.

[TD SP-050045](#) CRs to 32.612-3-4-5 Bulk Configuration Management (CM) IRP. These CRs were **approved**.

[TD SP-050046](#) CRs to 32.622-3-5 Configuration Management (CM) Generic network resources IRP. These CRs were **approved**.

[TD SP-050047](#) CRs to 32.632-3-4-5 Configuration Management (CM) Core Network Resources IRP. These CRs were **approved**.

[TD SP-050048](#) CRs to 32.642-3-4-5 UTRAN network resources IRP, 32804 RET antennas Requirements. These CRs were **approved**.

[TD SP-050049](#) CRs to 32.300 Name convention for Managed Objects. These CRs were **approved**.

[TD SP-050050](#) CRs to 32.663 Configuration Management (CM) Kernel CM IRP. These CRs were **approved**.

[TD SP-050051](#) CRs to 32.672-3 Configuration Management (CM) State Management IRP. These CRs were **approved**.

[TD SP-050052](#) CRs to 32.715 Configuration Management (CM) Transport Network (TN) NRM IRP. These CRs were **approved**.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item. The overall 3GPP Work Programme was presented under agenda item 8.6.

7.7 Letters to other groups

~~The following Liaison was agreed for transmission to other groups:~~

TSG SA Document	Title	To	CC

~~There were no outgoing liaisons produced at this meeting.~~

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 (and "new" RAN + "new" CT Reports

8.1 TSG CN

8.1.1 Report and questions for discussion from TSG CN

[TD SP-050151](#) TSG CN #27 draft meeting report. This was provided by the TSG CN Secretary for information and was [noted](#).

[TD SP-050150](#) TSG CN Status report to TSG SA #27. The report from TSG CN activities and Status was presented by the TSG CN Chairman.

Release 5 (and earlier) Status Overview:

- Rel 5 CRs: IMS Cleanup Continues; Clarification of Transport and Mc configuration for inter-MSCHandover; SCUDIF Cleanup; Mc Restriction Documentation.

Release 6 Status Overview:

- Closed most of the exceptions from last time: Flow Based Charging (Rx interface completed); IMS Phase 2 (Conferencing, Messaging); OSA 3 (Completion of stage 2); Presence (Pk interface); Domain Specific Access Class Barring completed; WLAN mechanism for manual PLMN selection.
- Many dependencies on IETF outstanding.
- Still some work to be done (SP-050153): GUP; Mn profile; Redial solution for voice video switching; SIP-ALG issues; Network Initiated SCUDIF upgrade; ROHC in MBMS; Inclusion of Handover for Conversational Services in A/Gb mode via the PS Domain; Support of Pp,_Pr,_Wx and authorization information update procedure in Wa,_Wm reference points; IMS support in I-WLAN.

Work on these items must be completed by end of April or out of Rel-6

TSG-CN Merged into TSG-CT: New CT Leadership Elected:

- CT Chair: Hannu Hietalahti
- CT Vice-Chairs: Akishige Noda, Gary Jones, Steve Mecrow

CT had first meeting (CT#27) on March 11.

Questions and comments:

Slide 6: The status of partially complete Rel-6 work was questioned. The TSG CN Chairman replied that TSG CN had not agreed to remove items from Rel-6 without looking at whether the missing functionality is really needed or whether it is optional functionality.

Slide 6: IMS support in I-WLAN Many dependencies on IETF outstanding: This should read " IMS support in I-WLAN" as there are no outstanding IETF dependencies.

The TSG CN Chairman was thanked for his presentation which was then [noted](#).

[TD SP-050152](#): IETF Status report. This was introduced by the TSG CN Chairman (who is also the 3GPP/IETF Liaison officer) and provided the status of the IETF specifications which 3GPP specifications have dependencies on.

The status of Presence (Slide 6) was questioned and the TSG CN Chairman replied that the Presence work is a problem. Some of the missing functionality could be removed or worked around, but there was some

which was required for Rel-6. There is no backup solution available to 3GPP however, without causing interoperability issues. The TSG CN Chairman and his successor were encouraged to continue working on the problem areas in the IETF.

The Completion statistics (Slide 3) showed that, apart from Presence, the completion could be expected soon, but not all would be completed by June 2005.

Slide 13 showed a list of other dependencies. There did not appear to be anything that directly effected IMS.

8.1.2 Information on status and changes to deliverables

The status of the various releases are included in the TSG CN Chairman's Report under agenda item 8.1.1.

[TD SP-050153](#) TSG CN Exception Form Package. This was introduced by the TSG CN Chairman and requested endorsement of the exceptions for late inclusion in Rel-6. The following items were presented:

- GUP for Rel-6 (Access control and GUP XML schema).
- Mn-interface for Rel-6.
- Circuit Switched Video and Voice Service Improvements (CS_VSS).
- Extensions to SIP capabilities (interworking to SIP with ALG).
- SCUDIF.
- Robust header Compression (RoHC) support for MBMS in Rel-6.
- Handover for Conversational Services in A/Gb mode via the PS Domain in Rel-6.
- WLAN for Rel-6 (Presence Information to the PNA via Pr, Pp and Wx (Px' HSS WLAN Data to PNA) and Authorization information update procedure in Wa,Wm reference points.
- WLAN ACCESS to IMS.

It was clarified that the CRs should be available to the WGs by the end of April. **TSG SA endorsed these late exceptions for Rel-6.**

8.2 Report from TSG T

8.2.1 Report and questions for discussion from TSG T

[TD SP-050149](#) Draft report of TSG T meeting #27. This was provided by the TSG T Secretary for information and was [noted](#).

[TD SP-050148](#) Presentation of TSG T #27 meeting to TSG SA #27. The report from TSG T activities and Status was presented by the TSG T Chairman.

T WG1 Conformance Testing

Status of Signalling Test Specifications

- TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing (v5.3.0 -> v5.4.0)
- TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (v5.10.0 -> v5.11.0)
- TS 34.123-2 UE Conformance Specification, part 2 - CS Implementation Statement (v5.10.0 -> v5.11.0)
- TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN) (v3.8.0 -> v5.0.0)

Other Issues in T WG1

- New Work Item approved (TP-050043): Network sharing UE tests.
- HSDPA Progress: HSDPA protocol tests now 100% completed; HSDPA RF FDD tests now 60% completed; HSDPA RF TDD : No contribution.
- A-GPS Progress: Definition of all 21 test cases now complete in TS 34.123-1; TTCN test implementation due to start in Feb 05; RF (TS 34.171) Plan to complete by RAN5 #27.
- LCR TDD TTCN: 197 test cases have been coded in 2004; another 200 TCs will be completed in 2005; Milestone set to complete the TDIA prioritised TC by 25 Nov 05; CCSA/TDIA experts will restart in March along side TF 160; Baseline in use is Rel-4, March 03 (unchanged).
- The Way Ahead: Support to GCF for TTCN verified test cases; Support to GCF for FDD test cases; Support to TDIA (LCR TDD TTCN).

T WG2 Services & Capabilities

- EMS, CBS, SMS: No contributions and no documents
- AT Commands and General Terminal matters on several topics: 3 CRs approved
- MMS: 2 CRs (TS 23.140 REL-6) approved
- LS - Use of SMS and CBS for Emergencies (TP-050051)

Distribution of TSG T WG2 work (TP-050062)

- LS from TSG T to CT and SA;
- TSG T has formally decided to close T WG2 as of TSG T#27;
- A new CT WG should not be created to cover the work of T WG2;
- TSGs CT and SA to **endorse** the proposed distribution of the work and to review the list of Rapporteurs for the TRs and TSs.

Recommendations on the Future of MMS work (TP-050061)

- LS from TSG T to OMA and 3GPP2;
- Future MMS bearer agnostic work should not be continued within 3GPP, and the most appropriate group to carry out future work on MMS (bearer agnostic) is OMA;
- 3GPP continues to maintain MMS specifications;
- OMA is requested to generate CRs for 3GPP MMS (bearer agnostic) specifications and liaise to TSG CT for formal approval.

T WG3 Smart Card Application Aspects

Status of Specifications

- TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (12 CRs)
- TS 31.102 Characteristics of the USIM application (11 CRs)
- TS 31.103 Characteristics of the ISIM application (4 CRs)
- TS 31.111 USIM Application Toolkit (USAT) (12 CRs)
- TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (2 CRs)
- TS 31.121 UICC-terminal interface; USIM application test specification (12 CRs)
- TS 31.130 USIM API for Java Card (3 CRs)
- TR 31.900 SIM/USIM interworking (1 CR)
- TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface (1 CR)
- TS 51.013 SIM API for Java Card test specification (3 CRs)
- TS 11.17 Subscriber Identity Module (SIM) conformance test specification (1CR) : Creates TS 51.017 V4.0.0

Other issues and information in T WG3

- New specifications: TS 31.124 Mobile Equipment (ME) conformance test specification; USIM Application Toolkit (USAT) conformance test specification (TP-050016) approved to V6.0.0.
- Testing Working Group: Java Card™ API Testing Ad Hoc become a fully established Sub Working Group; It is estimated the work will be completed for June 2005.
- MMS related discussions: It was identified that there may be a cross Release interworking problem regarding MMS notification retrieval with application identity.
- Card Interface Speed: A handset manufacturer reported a problem with certain SIM Cards that do not work at 3.84 MHz, despite the fact that this value is fully within the range of frequencies permitted by the specification (TS 11.11, 3.25MHz to 4MHz); A proposal was made to relax the handset testing conditions in order to accommodate certain MEs with a frequency supply of 3.2 MHz; Several card manufacturers opposed this as this would slightly reduce the interface speed, and because these cards are clearly outside of the standard.
Operators are asked to be aware that such cards are non compliant.
- MBMS: A lot of work and CRs to align the MBMS behaviour in the T WG3 specs and the SA WG3 specs; Need for further CRs to the T WG3 specifications as a result of many decisions made at the most recent SA WG3 meeting.

TSG-T missions will be continued in new CT and new RAN:

Thanks to all delegates and leaderships in the past 6 years of TSG-T. Best wishes for all in the new era of Collaboration, Competition and Long Term Evolution

Questions and comments:

Slide 11: Redistribution of MMS work: It was clarified that TSG T had agreed that all the bearer-agnostic work should be done in a single body and the expertise is currently in OMA. Bearer-specific CRs should be sent to the relevant WG in 3GPP. It was thought the best people to determine which work is bearer-dependent

The TSG T Chairman was thanked for his presentation which was then [noted](#).

[TD SP-050147](#) LS (from TSG T) on Distribution of TSG T WG2 work. This was introduced by Ericsson and detailed the TSG T agreed re-distribution of the T WG2 work after it was formally closed at TSG T meeting #27. For SA WG2 it was proposed to transfer TS 23.057, TS 03.57), TR 22.857 and TS 23.227. For SA WG1 it was proposed to transfer TR 34.907 and TR 34.925.

TSG SA endorsed this transfer of work into SA WG1 and SA WG2.**8.2.2 Information on status and changes to deliverables**

There were no specific contributions under this agenda item. The status of the work within TSG T was given in the report from the Chairman under agenda item 8.2.1.

8.3 Report from TSG CT

[TD SP-050162](#) Draft report of TSG CT meeting #27. This was provided by the TSG CT Secretary for information and was [noted](#).

[TD SP-050163](#) TSG CT #27 Status report to TSG SA #27. The report from TSG CT activities and Status was presented by the TSG CT Chairman.

Organisation:

The first CT meeting #27 was held on after the final CN and CT meetings, also #27.

CT officials elected during CN&T meetings:

Chairman: Hannu Hietalahti / Nokia (ETSI).

Vice chairs: Akishige Noda / Fujitsu (TTC); Gary Jones / T-Mobil (ATIS); Steve Mecrow /mmO2 (ETSI).

MCC support: Kimmo Kymäläinen (MCC)

CT WG allocation:

- CN WG1 -> CT WG1
- CN WG3 -> CT WG3
- CN WG4 -> CT WG4
- CN WG5 -> CT WG5
- T WG3 -> CT WG6
- T WG2 work is shifted to CT WG1, CT WG3, CT WG4, SA WG1, SA WG2 and OMA as proposed by TSG-T in their final meeting
- OMA MMS WG will draft and review 23.140 CRs for CT approval
- The CT WGs inherit the meeting and document numbering from the corresponding CN and T WGs
- All CN and T meetings in the meeting calendar have been cancelled and replaced by CT meetings

CT working groups are all new:

- CT WG elections: The chairs of the former CN and T WGs were nominated convenors.
- Each CT WG will elect their new officials in their second meeting.
- Terms of Reference: CT plenary ToR was approved.
- CT WGs were requested to update their ToR.

Questions and comments:

Slide 3: It was clarified that the shift of T WG2 work was covered in [TD SP-050142](#) in TSG SA. The work going to OMA was a proposal and OMA would be asked to take this work.

Slide 3: It was further clarified that TS 23.140 is under the responsibility of TSG CT and the bearer-agnostic MMS work is expected to be done in OMA and CRs presented to TSG CT. The OMA experts were expected to determine whether the work they are doing is bearer-specific or bearer-agnostic.

The TSG CT Chairman was thanked for his presentation which was then [noted](#).

8.4 Report from TSG RAN

8.4.1 Report and questions for discussion from TSG RAN

[TD SP-050168](#) Draft report of TSG RAN meeting #27. This was provided by the TSG RAN Secretary for information and was [noted](#).

[TD SP-050167](#) TSG RAN #27 Status report. The report from TSG RAN activities and Status was presented by the TSG RAN Chairman.

TSG RAN Elections

- Election for NEW RAN Leaders took place:
 - Mr Eisuke FUKUDA stepped down and he will be replaced by two new vice chairmen:
 - Mr Takehiro NAKAMURA from NTT DoCoMo
 - Dr LEE from SAMSUNG
- Mr Don ZELMER, Cingular, was also reappointed
- Thank you very much Eisuke and see you in the future but with another hat.

ITU-R matters: Update 6 of Recommendation M.1457

- A new request from ITU-R 8/F was handled within TSG RAN and is forwarded to this meeting for consideration. It is mainly requesting 3GPP to provide documentation on IP architecture and services that can be provided with a 3G network as elaborated within 3GPP (see [TD SP-050169](#)).
- Basically, TSG RAN ITU-R Ad Hoc will elaborate a first draft based on already existing documentation (i.e. Release 5 and 6 content description) and will forward the element to the WGs of TSG RAN, TSG CN and TSG SA for comments during the month of April.
- After incorporation of the comments received, it ~~is~~ proposed to approve it by correspondence by the TSGs [from 13th to the 17th May 2005](#). It will then be sent to the PCG for final approval before the deadline for submission to ITU-R 8/F. This will be a first version which will be further elaborated for next year submission.
- The usual reminder for SDOs for sending the Update 4 of M.1547 to ITU-R was also approved.

Old Releases

- Load due to CRs on Release 99 remains extremely low, only a few CRs were approved.
- The situation in Rel-4 is very similar (2 non Cat. A CRs approved).
- Release 5: CRs (42 non Cat. A) have been approved. Stability is now achieved.

Release 6

- 128 CRs (non Cat. A) have been approved on Release 6.
- Network initiated SCUDIF was completed on reception from the answer from CN.
- 'DL Transmission Branch Load' measurement was completed.
- Some small issues under TEI6 are still being discussed and will be completed in June. They had been delayed due to the workload of WGs on EDCH and MBMS.
- Several work items have been finished.

Release 6: WIs/SIs completed at RAN#27

- Performance Requirements of Receive Diversity for HSDPA was completed
- MBMS is considered as complete from a RAN WG1, WG2 and WG3. The performance requirements WI is still ongoing in WG4 and due for completion date in September 2005. Hence this cannot be considered as completed from a RAN perspective. Due to the nature of the remaining work it is required that it will remain as a part of Release 6.
- On MBMS, it was discussed to reduce complexity removing one or more of the existing combining options. WG2 was tasked to review the consequences of removing to remove the RAKE MBMS combining option. This will also facilitate the faster completion of the MBMS minimum performance requirements work.
- Optimisation of downlink channelisation code utilization (for FDD) was completed.
- Optimisation of downlink channelisation code utilization (for 3.84 Mcps TDD) was completed.

Release 6 WI not completed in March 2005 or later but proposed to be kept in Release 6

- FDD Enhanced Uplink the signalling part is mainly done and the WIs in WG1, WG2 & WG3 have been closed. Corrective CRs may be needed in the future. WG4 part, Performance Requirements, is still open and due for completion in June 2005
- RAB Support enhancements -could not be completed and is requested for June completion
- Performance Requirements for HSDPA UE categories 7 & 8 -will be completed in June
- MBMS Performance Requirements, due for completion in September 2005.
- Late Submissions for have been produced for the WIs above ([TD SP-050172](#)).
- Plus several small issues still remaining under TEI resulting from postponement of documents during previous WG meetings

Beyond Release 6: New WIs approved at RAN#26

- Improved support of IMS Realtime Services using HSDPA/EDCH.
- UE performance requirements for MBMS (TDD).
- 3.84 Mcps TDD Enhanced Uplink.
- CS and PS call set-up delay improvement.
- Study Item on Performance Evaluation of the UE behaviour in high speed trains with speeds up to 350 kmph.
- A proposal for a new WI on LCS Enhancements Related to Location - Based Services was deferred for the next meeting as it was difficult to estimate what actually needs to be done in TSG RAN WGs before the WI in TSG SA WG2 is more advanced.

Long term evolution for the UTRA and UTRAN

- Study Item on Evolved UTRA and UTRAN
 - The first joint WGs meeting took place just before TSG RAN plenary in Tokyo hosted by the Japanese Friends of 3GPP
 - More than 170 delegates attended the meeting
 - Main discussion was to review the Requirements
 - New Work plan agreed (see following slide)
 - Clarification of the work split with TSG SA Working Groups agreed
 - It is really important that companies ensure that their delegates in TSG SA WG1 can provide figures for the throughput that can be foreseen and the ratio between the Peak Throughput and the average is communicated in June for the next meeting. Currently the peak throughput per cell is foreseen in the uplink up to 50Mbits/s and 100 Mbits/s in the downlink.
 - It is proposed that the in the week of collocated WG meetings in Athens a joint meeting with TGS SA WG2 also takes place. A further one could be held in early July during the TSG SA WG2 meeting (see last slide on proposed schedule for SA WG2- RAN WGs meetings)

The TSG RAN Chairman reported that It is really important that companies ensure that their delegates in SA WG1 can provide figures for the throughput that can be foreseen and the ratio between the Peak Throughput and the average is communicated in June for the next meeting. Currently the peak throughput per cell is foreseen in the uplink up to 50 Mbits/s and up to 100 Mbits/s in the downlink.

Questions and Comments:

Slide 14: The figure of 50 Mbit/s to 100 Mbit/s was taken from the ratio between the peak and minimum output in order to get a reasonable dimensioning figure. Member companies were encouraged to provide input to SA WG1 on the requirements.

Slide 14: The split of work with SA WGs: It was clarified that discussions with the WG will take place in the Joint RAN WGs with SA WG2 in May 2005, because these preliminary discussions were with some SA WG2 experts, but was not an SA WG2 agreement.

8.4.2 Information on status and changes to deliverables

[TD SP-050169](#) Proposal for the development of a contribution for ITU-R WP8F on IP solutions. This was introduced by the TSG RAN Chairman. At the last meeting of ITU-R WP8F (Geneva, 1-8 February 2005) there was a discussion on IP solutions. In an input contribution it was stated that there is a near-term requirement to deal with nomadic and mobile broadband packet data access as an integral element of IMT-2000 and systems beyond IMT 2000. WP8F is responsible for responding to Question 223-1/8 on IP

applications over mobile systems. It may be appropriate to develop a suitable contribution within TSG RAN for the next ITU-R WP8F meeting. A schedule for the contribution was proposed as follows:

- May, 11: RAN WGs to send input to ITU-R Ad Hoc
- May, 12 – May, 18: ITU-R Ad Hoc to develop the draft composite contribution by correspondence on the ITU-R Ad Hoc reflector
- May, 19 – May 26: approval by correspondence on the RAN and PCG reflector
- May, 27: submission to ITU-R WP8F via Sector Members as usual (deadline for submission, May, 30, 08:00 hours Geneva time)

It was suggested that the approval is done by correspondence because PCG approval is needed. **This proposal was agreed by TSG SA.**

[TD SP-050170](#) Revised WID for the work item: UE Antenna Performance Evaluation Method and Requirements. This was introduced by the TSG RAN Chairman and was provided for information. The WID was [noted](#).

[TD SP-050172](#) Rel-6 late Work Item forms for TSG RAN WIs. This was introduced by the TSG RAN Chairman and requested endorsement of the exceptions for late inclusion in Rel-6. The following items were presented:

- Submission form for Rel-6 Late WI: RAB Support enhancements
- Submission form for late Rel-6 feature: Improved Performance Requirements for HSDPA UE cat 7 & 8
- Submission form for Rel-6 Late WI: EDCH performance requirements
- Submission form for Rel-6 Late WI: MBMS performance requirements

TSG SA endorsed these late exceptions for Rel-6.

8.5 Report from TSG "new" RAN

[TD SP-050171](#) Draft Report of the 3GPP TSG new RAN extra-ordinary meeting. This was provided by the TSG "new" RAN Secretary for information and was [noted](#).

8.6 Report from TSG GERAN

8.6.1 Report and questions for discussion from TSG GERAN

[TD SP-050158](#) TSG GERAN Status Report to TSG SA #27. The report from TSG GERAN activities and Status was presented by the TSG GERAN Chairman.

Questions and comments:

Slide 20: Generic Access to A/Gb Interface. It was clarified that this was completed at the same time as the Rel-6 items and was therefore included in Rel-6. It was commented that there has been no time for an analysis of the impact of including this in Rel-6. The TSG GERAN Chairman responded that an analysis had been carried out on the stage 3 impact in GERAN and no need to update specifications was found. In GERAN specifications, only the addition of the possibility of this new form of handover would be needed (i.e. references to the Generic Access specification).

The TSG GERAN Chairman thanked himself for his report, which was [noted](#).

8.6.2 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Information on the GERAN work plan and a GERAN CR list was included as annexes to the status report in [TD SP-050158](#).

8.7 Letters to other groups

There were no specific contributions under this agenda item.

8.8 3GPP Work plan

[TD SP-050186](#) 3GPP Work Plan. This was introduced by MCC (A. Sultan) and contained the latest version of the 3GPP Work Plan. The Work Plan was [noted](#).

[TD SP-050188](#) LS from OMA-REL: Status of 3GPP dependencies on OMA's work. This was introduced by MCC (A. Sultan) and provided a list of 3GPP work items with dependencies with OMA work. Delegates were asked to check this list for errors and provide corrections to A. Sultan before he transmits it to OMA-REL. The document was then [noted](#).

[TD SP-050187](#) MCC review of 3GPP Work Programme. The MCC review of the Features in the 3GPP Work Plan was presented by MCC (A. Sultan).

Proposed Conclusions:

- TSG #27 is the date to decide on the open items of Release 6.
- At TSG#26, it was agreed that the content of Release 6 is composed of the features completed at that time plus potentially some other ones identified in the "Conclusion" of SP-040927, according to the progress they will make between TSG#26 and TSG#27.
- Here are these features and their status:
 - Features completed between TSG #26 and TSG #27:
 - OSA Improvements
 - IP flow based charging
 - OAM&P: Non-SIP based Trace
 - ACBOP
 - Rel-6 RAN improvements: Optimisation of DL channelisation code utilisation for FDD and for 3.84 TDD
 - Rel-6 RAN improvements: Performance Requirements of Receive Diversity for HSDPA

Questions and comments:

Slide 26: The SA WG3 Secretary confirmed that the OMA dependencies for DRM Security had been resolved for Rel-6 by the following decision (extract from the SA WG3 draft report):

OMA-DLDRM reported that they could specify the requirements, but would need to update the specification versions first. It was concluded that this may be available for Rel-7 and should be revisited when OMA DLDRM have specified the protection details. It was clarified that any future upgrades to OMA DRM V2.0 do not apply to this Rel-6 MBMS specification. [...] [If the OMA finalise their specification work in time to include it in Rel-6, then this can be reviewed later by SA WG3 for inclusion.](#)

Slide 52: Packet Switched Streaming Rel-6. The verification of the audio Codecs has not yet been completed. Volunteers are needed for the verification work. TSG SA noted the request and asked Members to consider resourcing these activities.

Slide 55: IMS Messaging. SIP/SIMPLE Instant messaging, handled by OMA, is planned to be completed by December 2005. The TSG CN Chairman confirmed that for the moment it should be kept in Rel-6.

Slide 56: MBMS IETF dependencies for security. The SA WG3 Secretary informed the meeting that the MIKEY was internet draft has been adopted as IETF Work Group draft and Ericsson were pursuing this and will inform SA WG3 over e-mail of progress. There should therefore be no further outstanding dependencies for MBMS Security.

Slide 68: Support of Conversational Services in A/Gb mode via the PS domain. The Feature will be split in two, PS Handover, FCD April for GERAN, and the rest will be added as a revised WID at next GERAN meeting.

Slide 72: SA WG1 were asked to remove these requirements from Rel-6.

Slide 84: Title was changed to Release Broker (following change to WID title at this meeting).

Slide 90: Conclusions. "*– individual Submission Forms provided*" was removed from the list.

Slide 90: Features still open due to other reasons Bullet 6. IMS ALG and Mn interface was added for Clarification. A new bullet was added for IMS over WLAN.

Slide 90: Voice and Video call have two different issues. Voice Call followed by Handover and Network initiated Upgrade from Speech to MM. The latter should be included (SP-050153).

Slide 90: "*Features expected Completed at GERAN#24*" was added as a main bullet item.

Slide 24: Push Services. It was reported that the expected Stage 3 CRs should be removed as this was old information and none were now expected.

Slide 56: MBMS USIM aspects. The SA WG3 Secretary reported that there should be no more changes to the USIM after the approval of SA WG3 CRs at this meeting.

Slide 70: New IMS Applications WID. The WID was not approved at TSG CN #27 but referred to CT WG1, so this paragraph was removed from the slides.

Slide 63: Generic Access to A/Gb interface. It was noted that the slide represented the status before the last meeting of GERAN WG2 and it was indicated that after that meeting, completion is around 80%-90%.

Slide 71: CS Video and Voice Service Improvements (other than Redial). An exception form was agreed for the Redial part but not for the SCUDIF solution (the SCUDIF-related exception form was related to the Upgrade facility). The slides will be updated accordingly.

Slide 78 and 87: Work Item Name changes made at this meeting should be corrected on the slides.

The updated slides were provided in [TD SP-050196](#) which was **noted**.

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

[TD SP-050126](#) CRs to lists of specs. This was introduced by MCC (J. Meredith) and included the changes agreed to the specifications status at this round of TSG meetings. These CRs were **approved**.

[TD SP-050128](#) status list before TSG meetings #27. This was the status of specifications before TSG#27 and was **noted**.

[TD SP-050127](#) Specs per Release. This was provided by the Specifications manager (J. Meredith, MCC) for information and was **noted**.

[TD SP-050129](#) status list after TSG SA meeting #27. This was provided by the Specifications manager (J. Meredith, MCC). This was the status of specifications after TSG SA #27, including changes to specifications at the TSG meetings #27. Members were asked to check this and provide corrections to the specifications manager. The status list was **noted**. It was requested that the comments on the web pages are removed in the next update.

8.10 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item. Status of Rel-6 was included in the work plan information under agenda item 8.8.

8.11 Review of Release 7 status

Contributions [TD SP-050156](#) and [TD SP-050154](#) were taken together and discussed.

[TD SP-050156](#) 3GPP Rel-7 time frame. This was introduced by Siemens on behalf of Siemens, T-Mobile and Vodafone. The purpose of this document is to promote that 3GPP Rel-7 confines the "approximately annual Releases" principle 7 of TR 21.900. One means to assure that is to get a consensus that the highly important work items paving the way to the mid-term future (UTRA evolution, All-IP, ...) shall not define the critical path of Rel-7 time frame. The authors proposed that, to foster completion of work items with short-term market windows 3GPP should:

- confirm the intention to have an approximately annual release for Rel-7 (18 months maximum);

- the very important study items (see above) which prepare for the future should not define the critical path of Rel-7 timing;
- SA WG1, TSG RAN and TSG GERAN are requested to suggest a suitable date for stage 1 freezing from their perspective in line with the above two points.

[TD SP-050154](#) Scope and Timeframes for Release 7. This was introduced by Cingular Wireless and had already been presented in TSG RAN at their meeting. This contribution highlighted the need for delineating the features that are being worked on currently or are in the planning stages for Rel-7 versus Long Term Evolution. It also provides a perspective on these activities relative to the longer term future of the Beyond 3G timeframe, a work activity which should be addressed by follow-on activities to be initiated at some future date. Cingular Wireless proposed that the provided Time Frames and the Rel-7 list of work be discussed and documented so as to clearly reflect the scope of Rel-7 work and proposed that the closing of Rel-7 be set at March 2006 in order for the required improvements and updates to be brought to the marketplace as soon as possible.

The two contributions were of similar nature and proposed rapid completion of Rel-7 and to prioritise on market-required features. The TSG RAN Chairman commented that the RAN work cannot be easily done with only a Stage 1 available, but that the Stage 2 was needed in most cases. It was commented that Operators would prefer good content of a release rather than a fast Release as they are implementing the Releases after the completion of the specification work and preferred a large amount of additional functionality. The suggestion that Rel-6 was too slow in completing was questioned, as the content of Rel-6 required the timeframe used. Urgent items in Rel-7 could be candidates for early implementation items if they are required before the normal close of Rel-7. **3** reported they supported the concept of the contribution in [TD SP-050154](#).

It was generally thought that the proposals in the papers were valuable and it was noted that the freezing of Stage 1 in September 2005 would be a good start to allowing an earlier completion of the Stage 2 and detailed Stage 3 work. TSGs CT and RAN were asked to provide feedback on any enhancements they are planning not based on the SA WG1 work in order to have a good overview of the necessary specification work to be done in Rel-7

8.12 Beyond Release 7 and/or Current work plan (Vision, Phasing, New Technology etc.)

There were no specific contributions under this agenda item.

8.13 Other issues

There were no specific contributions under this agenda item.

9 Project Management

[TD SP-050019](#) Proposed CR to 21.900: Clarify the usage of specific references (Rel-7). This was introduced by Lucent Technologies and proposed a clarification on how corrigenda are handled in references. There was a comment that the proposed change was confusing and it should read along the lines that if a specific dated reference is used this shall exclude any changes made to the referenced document after that specific date. TSG SA considered the current references definitions for dated and undated references were clear and correct and the proposed CR was **rejected**. **TSG SA agreed that the current status of specific (i.e. dated) references included only that specific document and not any subsequent revisions, addenda or corrigenda. If further changes to referenced documents are made, which need to be included in the references, then this needs to be done in 3GPP specifications by updating the references of those specifications to include the changes.**

[TD SP-050133](#) Proposed CR to 21.801: Clarify the usage of specific references. This was equivalent to the changes proposed to TS 21.900 changes as for the CR in [TD SP-050019](#) and so this proposed CR was also **rejected**.

10 Project support

[TD SP-050131](#) MCC status report. The report of MCC status and activities was presented by J. Meredith, MCC. There have been several moves and changes since the last MCC status report:

Friedhelm Rodermund has left (as reported last time).

Stoyan Baev (ComSquare AG) has been recruited as a contracted expert to act as project manager for the two testing groups, RAN WG5 (ex-T WG1) and GERAN WG3.

Gabriele Lenhart has been recruited as an ETSI staff member, and will start in MCC at the beginning of May 2005.

- During the interregnum between Friedhelm's departure and Gabriele's arrival, Gert Thomasen – the regular project manager for GERAN WG2 – has acted for T WG3. Similarly, Seung-Don Han – the regular project manager for CT WG3 – has seen T WG2 through its final meeting. David Boswarthick has left MCC, having been project manager for CN from its earliest days. Alain Sultan, freed from his "interim" project manager duties of T WG1 by Stoyan's arrival, is now free also to cross the floor to instil a similar process in TISPAN's NGN. He will remain with 3GPP half-time, and will still appear at TSG meetings, performing his usual valuable task of summarizing what the working groups have done and whither they go.

Michael Clayton's burden has been lightened by Stoyan's shouldering of GERAN WG3, and as ~~was~~ hinted last time, ~~we-MCC~~ will make full use of this by his taking over SA WG3 from Maurice Pope. Michael will continue to project manage for SA WG1.

Maurice Pope, meanwhile, will take on the sizeable work of SA WG2, whilst still providing his accustomed service to TSG SA.

Kimmo Kymalainen, released from ETSI SCP when Gabriele arrives, will have plenty of capacity to take over the secretary duties for TSG CT.

MCC Assistant, Karen Hughes was lured away to that dark and mysterious part of the ETSI Secretariat which provides forum hosting services, Forapolis.

To replace Karen, Frances Martin-Isaacs has recently joined MCC as an Assistant, and is taking over many of Karen's former duties (web site and exploder lists administrator for example). ~~You will meet~~ Frances [can be met](#) supporting the next TSG meetings in Canada.

[The statistics in table 2 were questioned as the individual values did not add up to the expected totals. It was noticed that the year had been included in the numbers and caused erroneous figures. It was reported that this error had been present in all the MCC status presentations to TSG SA and the validity of the presented statistics were in question. It also needs to be checked if the graphs following table 2 are accurate.](#)

Mr. Meredith was thanked for his report, which was [noted](#).

11 Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item. Postponed items are reported under their respective agenda items.

12 Work plan and future meetings

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
3GPPGERAN#24	EF3	4 - 8 April 2005	Dublin	Ireland
3GPPRAN#28	NAF	1 - 3 June 2005	Quebec	Canada
3GPPCT#28	NAF	1 - 3 June 2005	Quebec	Canada
3GPPSA#28	NAF	6 - 9 June 2005	Quebec	Canada
3GPPGERAN#25	TBD	20 - 24 June 2005	USA	USA
3GPPGERAN#26	TBD	29 August - 2 September 2005	TBD	TBD
3GPPRAN#29	EF3	21 - 23 September 2005	Tallinn	Estonia
3GPPCT#29	EF3	21 - 23 September 2005	Tallinn	Estonia
3GPPSA#29	EF3	26 - 29 September 2005	Tallinn	Estonia
3GPPGERAN#27	TBD	7 - 11 November 2005	USA	USA
3GPPRAN#30	EF3	30 Nov - 2 Dec 2005	Malta	Malta
3GPPCT#30	EF3	30 Nov - 2 Dec 2005	Malta	Malta
3GPPSA#30	EF3	5 - 8 December 2005	Malta	Malta
3GPPGERAN#28	TBD	TBD	TBD	TBD
3GPPRAN#31	TBD	8 - 10 March 2006	China	China
3GPPCT#31	TBD	8 - 10 March 2006	China	China
3GPPSA#31	TBD	13 - 16 March 2006	China	China

13 Any other business

The TSG SA Chairman gave a presentation about the "Hard work of standardization" reflecting on standardization over the years that he had been involved in it. This was appreciated by TSG SA delegates.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and co-operation during this meeting and previous meetings over the year, the Meetings Hosts, The Japanese Friends of 3GPP, Association of Radio Industries and Businesses (ARIB) and the Telecommunication Technology Committee (TTC), the social event sponsors and the Support staff for the excellent facilities provided for the TSG meetings. He wished the new Chairman and Vice Chairman success in the future meeting of TSG SA. He then closed the meeting.

The TSG SA Chairman was thanked by the delegates for his excellent and fair chairing of the TSG SA meetings since the start of the 3GPP Project.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials (Elections were held March 2005):						
Old Chairman	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
New Chairman	Stephen Hayes	Ericsson	stephen.hayes@ericsson.com	+1 972 583 5773	+1 972 644 3036	+45 4018 4793
Old Vice Chairman	Gary Jones	VoiceStream	gary.jones@voicestream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
New Vice Chairman	YuHong Huang	China Mobile Communications Corporation (CMCC)	huangyuhong@chinamobile.com	+86-10-66006688-3002	+1 703 715 2365	+1 201486 0949
Old Vice Chairman	Takashi Koshimizu	NTT DoCoMo Inc.	koshimizu@docomolab-euro.com	+4989 56824 107		+49 172 2100748
New Vice Chairman	Armin T oepfer	Vodafone D2 GmbH	Armin.Toepfer@vodafone.com	+49 211 533 2838		
New Vice Chairman	Vacancy	(election result 50% each)	PCG to make decision			
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG1 Officials:						
Chairman	Michele Zarrì	T-Mobile (UK)	michele.zarri@t-mobile.co.uk	+44 170 73 16009		+44 79 3200 2114
Vice Chairman	Chris Sachno	NTT DoCoMo	c.masayu@nttdocomo.co.jp	+81 46 840 3570		+81 90 3340 7342
Vice Chairman	Paul Carpenter	RIM	pcarpenter@rim.net	+44 1784 477 455		
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG2 Officials (Elections were held January 2005):						
Chairman	Magnus Olsson	Ericsson LM	magnus.olsson@era.ericsson.se	+46 8 585 31454		+46 70 576 1918
Old Vice Chairman	Alexander Milinski	Siemens AG	alexander.milinski@siemens.com	+49 89 636 75209		+49 175 180 45 12
New Vice Chairman	Frank Mademann	Siemens AG	frank.mademann@siemens.com	+49 30386 29079		+49 172 822 5947
Old Vice Chairman	Akishige Noda	Fujitsu Ltd	aki.noda@jp.fujitsu.com	+81 44 75 85 11	+81 44 754 8540	
New Vice Chairman	Wenlin Zhang	Huawei Technologies Co. Ltd.	zhangwenlin@huawei.com	+86 82882753		
Old Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
New Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG3 Officials:						
Chairman	Valteri Niemi	Nokia	valteri.niemi@nokia.com	+358 50 48 37327	+358 9 4376 6850	+44 7787 154058
Vice Chairman	Peter Howard	Vodafone	peter.howard@vodafone.com	+44 1635 676206	+44 1635 231721	
Vice Chairman	Vacancy					
Old Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
New Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG4 Officials:						
Chairman	Kari Jarvinen	Nokia	kari.i.jarvinen@nokia.com	+3587180 35854	+358 7180 35888	+358 50 555 0999
Vice Chairman	Catherine Quinquis	Orange France	catherine.quinquis@francetelecom.com	+33 2 96 05 14 93	+33 2 96 05 35 30	
Vice Chairman	Frédéric Gabin	NEC Technologies (UK)	frederic.gabin@nectech.fr	+33 1 49 07 28 21	+33 1 49 07 20 01	+33 6 23 05 24 50
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA WG5 Officials:						
Chairman	Michael Truss	Motorola	Michael.Truss@motorola.com	+353 21 511 327	+353 21 357 635	
Vice Chairman	Yewen Li	China Mobile Communications Corporation	liyewen@chinamobile.com	+86 10 66006688-1771	+86 10 66006235	
Vice Chairman	Christian Toche	Nortel Networks	toche@nortelnetworks.com	+33 1 69 55 44 91	+33 1 69 55 13 46	
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

A.2 TSG CN Officials (TSG CN Closed March 2005)

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CN Officials (TSG CN Closed March 2005):						
Chairman	Stephen Hayes	Ericsson	stephen.hayes@ericsson.com	+1 972 583 5773	+1 972 644 3036	
Vice Chairman	Iain Sharp	Nortel Networks	isharp@nortelnetworks.com	+44 1628 43 42 87	+441628437310	
Vice Chairman	Kunihiko Taya	Telecom Modus Limited	taya@t-modus.nec.co.uk	+44 1372 381880		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG1 Officials (TSG CN Closed March 2005):						
Chairman	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	+358 40 502 1724
Vice Chairman	Andrew Howell	Motorola Ltd	andrew.howell@motorola.com	+44 1256 790 170	+44 1256 790 190	+44 77 85 363 850
Vice Chairman	Atle Monrad	Telefon AB LM Ericsson	atle.monrad@ericsson.com	+47 372 93 040		+47 454 10 665
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	
TSG CN WG2 CLOSED						
TSG CN WG3 Officials (TSG CN Closed March 2005):						
Chairman	Ragnar Huslende	Telefon AB LM Ericsson	ragnar.huslende@ericsson.com	+47 452 49237		+47 452 49237
Vice Chairman	Juha Räsänen	Nokia	juha.a.rasanen@nokia.com	+358 40 543 9058	+358 9 5112 9626	
Vice Chairman	Thomas Belling	Siemens AG	Thomas.Belling@siemens.com	+49 89 636 75207		+49 172 2974678
Secretary	Han, Seung Don	3GPP Support Team	seungdon.han@etsi.org	+33 4 92 94 42 31	+33 4 92 38 52 31	
TSG CN WG4 Officials (TSG CN Closed March 2005):						
Chairman	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152	+49 66 211 69 122	+4915114016084
Vice Chairman	Toshiyuki Tamura	NEC Corporation	tamura@ai.jp.nec.com	+81 471 85 6706	+81 471 85 6962	
Vice Chairman	Peter Wild	Vodafone	peter.wild@vodafone.com	+49 211 533 3798	+49 211 533 3804	+49 172 7211170
Secretary	Kimmo Kymäläinen	3GPP Support Team	kimmo.kymalainen@etsi.org	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CN WG5 Officials (TSG CN Closed March 2005):						
Chairman	Chelo Abarca	Alcatel	chelo.abarca@alcatel.fr	+33 1307 70469	+33 1307 70230	
Vice Chairman	John-Luc Bakker	Telcordia Technologies Inc.	lbakker@research.telcordia.com	+1 732 699 2694	+1 732 336 7016	+1 240 423 8316
Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CN AHG1 (ITU-T Co-ordination) Officials (TSG CN Closed March 2005):						
Chairman	Yun Chao Hu	Ericsson	Yun-Chao.Hu@era.ericsson.se	+46 8 508 78153		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	

A.3 TSG CT Officials (New TSG created March 2005)

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CT Officials (Elections were held March 2005):						
Chairman	Hannu Hietalahti	Nokia Corporation	hannu.hietalahti@nokia.com	+358 40 502 1724		+358 40 5021 724
Vice Chairman	Gary Jones	VoicesStream	gary.jones@voicesstream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
Vice Chairman	Steve Mecrow	O2 PLC	steve.mecrow@o2.com	+44 1 394 380694		+44 7710 028 511
Vice Chairman	Akishige Noda	Fujitsu Limited	aki.noda@jp.fujitsu.com	+81 44 754 8511		
Secretary	Kimmo Kymalainen	3GPP Support Team	kimmo.kymalainen@etsi.org	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CT WG1 Officials:						
Convener	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	+358 40 502 1724
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	
TSG CT WG2 (THERE IS NO CT WG2 AT PRESENT)						
TSG CT WG3 Officials:						
Convener	Ragnar Huslende	Telefon AB LM Ericsson	ragnar.huslende@ericsson.com	+47 452 49237		+47 452 49237
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Han, Seung Don	3GPP Support Team	seungdon.han@etsi.org	+33 4 92 94 42 31	+33 4 92 38 52 31	
TSG CT WG4 Officials:						
Convener	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152	+49 66 211 69 122	+4915114016084
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Kimmo Kymalainen	3GPP Support Team	kimmo.kymalainen@etsi.org	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CT WG5 Officials:						
Convener	Chelo Abarca	Alcatel	chelo.abarca@alcatel.fr	+33 1307 70469	+33 1307 70230	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CT WG6 Officials:						
Convenor	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Vacancy					
Vice Chairman	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
Secretary						

A.4 TSG RAN Officials (TSG RAN declared "New TSG" in March 2005)

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials (Elections were held March 2005):						
Chairman	Francois Courau	Alcatel	francois.courau@alcatel.fr	+33 1 30 77 94 68	+33 1 30 67 94 30	+33 6 08 82 20 22
Vice Chairman	Donald Zelmer	Cingular Wireless LLC	don.zelmer@cingular.com	+1 404 236 5912	+1 404 236 5968	+1 404 625 7659
Old Vice Chairman	Eisuke Fukuda	Fujitsu	efukuda@jp.fujitsu.com	+81 44 754 4142	+81 44 754 4186	
New Vice Chairman	Hyeon Woo Lee	Samsung Electronics Ind. Co., Ltd.	woojaa@samsung.com	+82 31 279 5120		
New Vice Chairman	Takehiro Nakamura	NTT DoCoMo Inc.	takehiro@wsp.yrp.nttdocomo.co.jp	+81 468 40 3190		
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	+33 6 74 40 83 64
TSG RAN WG1 Officials:						
Convenor	Dirk Gerstenberger	ERICSSON L.M.	dirk.gerstenberger@era.ericsson.se	+46 8 585 33901	+46 8 508 79600	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Yoshikazu Ishii	3GPP Support Team	yoshikazu.ishii@etsi.org	+33 4 92 94 43 22	+33 4 92 38 53 22	
TSG RAN WG2 Officials:						
Convenor	Denis Fauconnier	Nortel	dfauconn@nortelnetworks.com	+33 1 39 44 52 87	+33 1 39 44 50 12	+33 06 64 04 35 29
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Claude ARZELIER	3GPP Support Team	claude.arzelier@etsi.org	+33 4 92 94 42 61	+33 4 92 38 52 61	
TSG RAN WG3 Officials:						
Convenor	Alexander Vesely	Siemens AG	alexander.vesely@siemens.com	+43 5 1707 21318	+43 5 1707 51924	+43 676 379 2624
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Juergen Caldenhoven	3GPP Support Team	juergen.caldenhoven@etsi.org	+33 4 92 94 43 52	+33 4 92 38 53 52	+33 6 74 40 83 78
TSG RAN WG4 Officials:						
Convenor	Howard Benn	Motorola	bennh@ecid.cig.mot.com	+44 1 793 566266	+44 1 793 566225	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	
3GPP Ad-hoc group on ITU-R (internal) co-ordination:						
Contact person	Nicola Magnani	Telecom Italia Lab	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.5 TSG T Officials (TSG T Closed March 2005)

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials (TSG T Closed March 2005):						
Chairman	Sang-Keun Park	Samsung Electronics	skpark@samsung.com	+82 31 2795300	+82 31 279 5265	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG T WG1 Officials:						
Chairman	Phillip Brown	3	phillip.brown@three.co.uk	+44 1628 765465	+44 1628 766012	+44 7799 628410
Vice Chairman	Dan Fox	Anritsu Ltd	dan.fox@eu.anritsu.com	+44 7909 983357	+44 1582 433 276	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.vfp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Alain Sultan	3GPP Support Team	alain.sultan@etsi.org	+33 4 92 94 42 71	+33 4 93 65 28 17	
TSG T WG2 Officials (TSG T WG2 Closed March 2005):						
Chairman	Ian Harris	Research In Motion Limited	iharris@rim.net	+44 77 85 360 000	+44 13 80 860 691	+44 77 85 360 000
Vice Chairman	Paul Voskar	Nokia	paul.voskar@nokia.com	+44 1252 867427	+44 1252 865693	+44 7771 980 062
Vice Chairman	Nicola Vote	NTT DoCoMo Inc.	nicola@cet.vfp.nttdocomo.co.jp	+81 468 40 6062		+81 90 3337 9642
Secretary	Friedhelm Rodermund	No longer with MCC				
TSG T WG3 Officials:						
Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Jean-Francois Rubon	Gemplus Card International	jean-francois.rubon@gemplus.com	+33 4 42 36 66 39	+33 4 42 36 41 00	+33 6 88 38 76 65
Vice Chairman	Paul Jolivet	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Friedhelm Rodermund	No longer with MCC				

A.6 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Michael Färber	Siemens	michael.farber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG1 Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	Diana Edwin	Siemens AG	diana.edwin@roke.co.uk	+44 1794 833307	+44 1794 833434	+44 7884 235500
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials (GERAN 3 Declared "New" March 2005):						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Old Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
New Secretary	Stoyan Baev	3GPP Support Team	stoyan.baev@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	+33 6 74 40 83 75

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050001	Draft agenda for TSG SA meeting #27	TSG SA Chairman	2.1	Approval		Approved
SP-050002	Draft report of TSG SA meeting #26	TSG SA Secretary	2.2	Approval		Approved
SP-050003	Liaison (from ITU-T Q11/12 rapporteurs) on QoS Interworking	ITU-T Q11/12 rapporteurs	6.3	Action		Noted. WGs asked to consider this work and contribute to ITU-T if necessary
SP-050004	LS from ITU-T SG12: Additional information on "Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors"	ITU-T SG12	6.3	Information		Noted. SA2 asked to look at this work
SP-050005	LS from ITU-T SG12: Revision of Recommendation Y.1541, "Network Performance Objectives for IP-based Services"	ITU-T SG12	6.3	Comment		Noted. SA2 asked to look at this work
SP-050006	LS from ITU-T SG12: Response to 3GPP Reply on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors	ITU-T SG12	6.3	Information		Noted. SA2 asked to look at this in their next meeting
SP-050007	LS from Q.1/19 to SDOs	ITU-T Q1/19	6.3	Information		Noted. Forwarded to SA2
SP-050008	LS from OMA: OMA Work Programme information availability update	OMA TP	6.3	Information		Noted
SP-050009	LS from ETSI TC TISPAN: About the Workshop on "IMS over Fixed Access" (30-31 March 2005)	ETSI TC TISPAN	6.2	Information		Noted
SP-050010	LS (from SA WG2) on OSA Stage 2 - A cross-releases Overview	SA WG2	7.2.2	Information		23.127 Withdrawn from Rel-6 onwards
SP-050011	LS from OMA MWG MMSG: MMSG response regarding Web Services	OMA MWG MMSG	6.2	Information		Noted
SP-050012	LS (from SA WG2) on removal of Ry reference point	SA WG2	6.1	Action		Noted. For consideration under approval of SA2 CRs
SP-050013	Reply to Liaison Statement (from SA WG2) on Status of OMA Mobile Broadcast Services	SA WG2	7.2.2	Information		Noted
SP-050014	Reply LS (from SA WG2) on the Workshop on "IMS over Fixed Access" (30th – 31st March 2005)	SA WG2	7.2.2	Information		Noted
SP-050015	LS (from SA WG2) on status of 3GPP System PS domain services over WLAN 3GPP IP access in Rel-6	SA WG2	7.2.2	Information		Noted
SP-050016	Reply LS (from CN WG3) on removal of Ry reference point	CN WG3	6.1	Action		Noted. For consideration under approval of SA2 CRs
SP-050017	LS (from CN WG3) on Tracing information for MBMS services	CN WG3	6.1	Action		WGs to work on for Rel-6. Review progress at next SA meeting
SP-050018	LS from CN WG1: Misalignment amongst the 3GPP specifications, "Re-authentication and key set change during inter-system handover"	CN WG1	6.1			RAN WGs asked to align with CN1 specs to introduce functionality in Rel-5 onwards
SP-050019	Proposed CR to 21.900: Clarify the usage of specific references (Rel-7)	Lucent Technologies	9	Approval		Company contributed CR. Rejected
SP-050020	Status report of SA5 to SA #27	SA WG5 Chairman	7.5.1	Information		Noted
SP-050021	CR 32111-x Fault Management Alarm IRP	SA WG5	7.5.3	Approval		Approved
SP-050022	Rel-6 TS 32111-5-200 Fault Management IRP XML definitions - for SA Approval	SA WG5	7.5.3	Approval		Approved (Rel-6)
SP-050023	CR 32151-2 Telecommunication management IRP Information Service (IS)	SA WG5	7.5.3	Approval		Approved
SP-050024	CR 32172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information Service	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050025	Rel-6 TS 32175-100 Subscription Management (SuM) Network Resource Model (NRM) IRP XML definition - for SA Approval	SA WG5	7.5.3	Approval		Approved (Rel-6)
SP-050026	CR 32200-205 Charging principles - CS domain charging	SA WG5	7.5.3	Approval		Approved
SP-050027	CR 32215-251 PS domain charging	SA WG5	7.5.3	Approval		Approved
SP-050028	Rel-6 TS 32252-100 WLAN Charging - for SA Information	SA WG5	7.5.3	Information		Noted. Comments to SA5
SP-050029	CR 32240 Charging architecture and principles	SA WG5	7.5.3	Approval		Approved
SP-050030	CR 32225-260-299 IMS charging - Diameter charging applications	SA WG5	7.5.3	Approval		Approved
SP-050031	CR 32270 MMS charging	SA WG5	7.5.3	Approval		Approved
SP-050032	WID on Rel-6 WT on PoC Charging	SA WG5	7.5.3	Approval		Approved
SP-050033	Rel-6 TS 32272-100 PoC Charging - for SA Information	SA WG5	7.5.3	Information		Noted. Comments to SA5
SP-050034	Rel-6 TS 32273-100 MBMS Charging - for SA Information	SA WG5	7.5.3	Information		Noted. Comments to SA5
SP-050035	CR 32302-3-4 CM Notification IRP, 32323 Test management IRP CORBA SS	SA WG5	7.5.3	Approval		Approved
SP-050036	Rel-6 TS 32333-100 Notification Log IRP CORBA SS - for SA Approval	SA WG5	7.5.3	Approval		Approved (Rel-6)
SP-050037	CR 32341-3 Notification Log (NL) IRP	SA WG5	7.5.3	Approval		Approved
SP-050038	CR 32352-3 Communication Surveillance (CS) IRP	SA WG5	7.5.3	Approval	SP-050178	Revised in SP-050178
SP-050039	CR 32363 Entry Point (EP) IRP	SA WG5	7.5.3	Approval		Approved
SP-050040	CR 32401-403-432 Performance Management (PM)	SA WG5	7.5.3	Approval		Approved
SP-050041	CR 32412-3 Performance Management (PM) IRP	SA WG5	7.5.3	Approval		Approved
SP-050042	WID Rel-7 OAM-Trace	SA WG5	7.5.3	Approval		Approved
SP-050043	CR 32421-2-3 Subscriber and equipment trace	SA WG5	7.5.3	Approval		Approved
SP-050044	CR 32602-3-4 Basic Configuration Management (CM) IRP	SA WG5	7.5.3	Approval		Approved
SP-050045	CR 32612-3-4-5 Bulk Configuration Management (CM) IRP	SA WG5	7.5.3	Approval		Approved
SP-050046	CR 32622-3-5 Configuration Management (CM) Generic network resources IRP	SA WG5	7.5.3	Approval		Approved
SP-050047	CR 32632-3-4-5 Configuration Management (CM) Core Network Resources IRP	SA WG5	7.5.3	Approval		Approved
SP-050048	CR 32642-3-4-5 UTRAN network resources IRP, 32804 RET antennas Requirements	SA WG5	7.5.3	Approval		Approved
SP-050049	CR 32300 Name convention for Managed Objects	SA WG5	7.5.3	Approval		Approved
SP-050050	CR 32663 Configuration Management (CM) Kernel CM IRP	SA WG5	7.5.3	Approval		Approved
SP-050051	CR 32672-3 Configuration Management (CM) State Management IRP	SA WG5	7.5.3	Approval		Approved
SP-050052	CR 32715 Configuration Management (CM) Transport Network (TN) NRM IRP	SA WG5	7.5.3	Approval		Approved
SP-050053	Presentation of SA1 to SA #27	SA WG1 Chairman	7.1.1	Information		Noted
SP-050054	Status Report of SA1 to SA #27	SA WG1 Chairman	7.1.1	Information		Noted
SP-050055	CRs to 21.905 on Introduction of RAN Information Management (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-050056	CRs to 22.078 on Removal of Announcement Suppression in CAMEL control of IMS (Rel-5, Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-050057	CRs to 22.038 on References corrections (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-050058	CRs to 22.101 on Clean-up in Core Network Operator Name Indication section (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050059	CRs to various TSs on Removal of Reference to TS 22.121 (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-050060	CRs to 22.228 on Tel-URI related reference update (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved. CT1 asked to check if this should also be done in Rel-5
SP-050061	CRs to 22.234 on Service Requirements for I-WLAN (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		CR014 Approved. CR013 returned to SA1 for update
SP-050062	CR to 22.340 to remove deferred messaging requirements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-050063	CRs to 22.011 on Addition of 'Network Control of UE Capabilities' and to correct an error (Rel-7)	SA WG1	7.1.3	Approval		Approved. Members invited to contribute to clarify and develop list
SP-050064	CR to 22.078 on Support for CAMEL Trunk Originated Trigger Detection Points (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-050065	CR to 22.217 Add Service Broker Requirement (Rel 7)	SA WG1	7.1.3	Approval		Postponed. SA1 to clarify and consult other WGs
SP-050066	CRs to 22.234 on Over-the-air update of I-WLAN operator lists and editorial changes (Rel-7)	SA WG1	7.1.3	Approval		Approved. (23.234 and 24.234 not impacted)
SP-050067	CR to 42.068 on Sending of SMS to VGCS group Ids.	SA WG1	7.1.3	Approval	SP-050174	Revised in SP-050174
SP-050068	TR 22.935 (v1.0.0) - Feasibility Study on Location Services (LCS) for Interworking-WLAN	SA WG1	7.1.3	Information		Noted. Comments to SA1
SP-050069	TR 22.978 (v2.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)	SA WG1	7.1.3	Approval		Approved (Rel-7)
SP-050070	TR 22.979 (v2.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)	SA WG1	7.1.3	Approval		Approved (Rel-7)
SP-050071	Update to GUP WI	SA WG1	7.1.3	Approval		Lucent proposal in SP-050078
SP-050072	Update of AIPN Feasibility Study WID	SA WG1	7.1.3	Approval	SP-050181	Revised in SP-050181
SP-050073	Updated WID on Network Protection	SA WG1	7.1.3	Approval	SP-050173	Revised in SP-050173
SP-050074	Update of WID for Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism	SA WG1	7.1.3	Approval		Approved
SP-050075	New WI on Improvements of VGCS in public networks for parallel use of service	SA WG1	7.1.3	Approval		Approved. GERAN1 to be contacted for advice
SP-050076	New WI on Rel-7 OSA enhancements	SA WG1	7.1.3	Approval	SP-050183	Revised in SP-050183
SP-050077	New WI on Review of Network Selection Principles	SA WG1	7.1.3	Approval	SP-050184	Revised in SP-050184
SP-050078	Update to the GUP WI	Lucent Technologies	7.1.3	Discussion / Decision	SP-050180	Alternative to SA1 approved proposal in SP-050071. Revised in SP-050180
SP-050079	List of applicants for the offices of Chairman and Vice Chairmen for TSG SA	TSG SA Secretary	3	Information		Noted
SP-050080	Elections: a practical guide	MCC (J. Meredith)	3	Information		Noted
SP-050081	TSG S4 Status Report at TSG-SA#27	SA WG4 Chairman	7.4.1	Information		Noted
SP-050082	3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved and put under change control (Rel-6)
SP-050083	3GPP TS 26.273: "ANSI-C code for the Fixed-point Extended AMR Wideband codec" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved and put under change control (Rel-6)
SP-050084	WITHDRAWN - 3GPP TS 26.411: "Enhanced aacPlus General Audio Codec; Fixed-point ANSI-C code" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Approval	SP-050146	WITHDRAWN
SP-050085	3GPP TS 26.406: "General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Comments to SA4

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050086	3GPP TS 26.274 "Audio codec processing functions, Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Conformance testing" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Comments to SA4
SP-050087	3GPP TS 26.412 "Source code for 3GP file format" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Comments to SA5
SP-050088	Report of FEC selection	SA WG4	7.4.3	Information		Contributions in SP-050164 and SP-050165. Decision to be made at SA#28
SP-050089	New Work Item Description on Performance Characterization of VoIMS over HSDPA/EUL channels (Release 7)	SA WG4	7.4.3	Approval		Approved
SP-050090	New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval	SP-050191	Revised in SP-050191
SP-050091	New WID for Stage 3 Specification of Combining CS and IMS services (Release 7)	SA WG4	7.4.3	Approval		Approved
SP-050092	CR TS 26.140 on Introduction of PIM and DRM (Release 6)	SA WG4	7.4.3	Approval	SP-050175	Revised in SP-050175
SP-050093	CRs TS 26.234 on Corrections to Extended PSS Protocols and codecs (Releases 5 and 6)	SA WG4	7.4.3	Approval		Approved
SP-050094	CR TS 26.244 on Extended presentations in 3GP files for MBMS (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050095	CRs TS 26.401 & TS 26.405 & TS 26.410 on Corrections to Enhanced aacPlus codec specifications (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050096	CRs TS 26.290 & TS 26.304 on Corrections to Extended AMR-WB+ codec specifications (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050097	CR TS 26.235 on Correction of inconsistency regarding the maximum number of speech frames per RTP packets for PoC (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050098	CR TS 26.141 on Editorial correction on missing IMS Presence UA text (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050099	CRs TS 26.235 & TS 26.236 on Introduction of AMR SDP parameters and correction of reference (Releases 5 and 6)	SA WG4	7.4.3	Approval		Approved. SA4 may clarify text of CR014R1 and 015 with another CR
SP-050100	Release 6 Submission Template for WI : MBMS User Services	SA WG4	7.4.3	Approval		Agreed allowance for Late submission for Rel-6
SP-050101	Release 6 Submission Template for audio codecs and related services	SA WG4	7.4.3	Approval		Agreed allowance for Late submission for Rel-6 (June 2005)
SP-050102	Reply to Liaison Statement on Status of OMA Mobile Broadcast Services	SA WG4	7.4.2	Information		Noted
SP-050103	SA2 Status report	SA WG2 Chairman	7.2.1	Information		Noted
SP-050104	CRs to 23.002	SA WG2	7.2.3	Approval		Approved. Check use of D'/Gr' in specification
SP-050105	CRs to 23.060	SA WG2	7.2.3	Approval		CRs 525 and 526 revised in SP-050176. Other CRs Approved
SP-050106	CRs to 23.125	SA WG2	7.2.3	Approval		Approved - Cat F
SP-050107	CRs to 23.228	SA WG2	7.2.3	Approval		Approved
SP-050108	CRs to 23.234	SA WG2	7.2.3	Approval		Approved. SA1 to review spec with this new text added
SP-050109	CR to 23.240	SA WG2	7.2.3	Approval		Approved
SP-050110	CRs to 23.246	SA WG2	7.2.3	Approval		Approved
SP-050111	CR to 23.251	SA WG2	7.2.3	Approval		Approved - Cat F
SP-050112	CRs to 23.271	SA WG2	7.2.3	Approval		Approved
SP-050113	CR to 23.903	SA WG2	7.2.3	Approval		Approved
SP-050114	CR to 23.979	SA WG2	7.2.3	Approval	SP-050160	Revised in SP-050160

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050115	CR to 23.981	SA WG2	7.2.3	Approval		Approved
SP-050116	TR 23.898 V2.0.0	SA WG2	7.2.3	Approval		Approved (Rel-7)
SP-050117	TR 23.804 V1.0.0	SA WG2	7.2.3	Information		Noted. Comments to SA2. Forwarded to CT1 for review of SMS
SP-050118	TS 23.279 V1.0.0	SA WG2	7.2.3	Information		Noted. Comments to SA2. Stage 1 contribution encouraged
SP-050119	WID on Velocity	SA WG2	7.2.3	Approval		Approved. SA2 to determine best place for IMS Emerg. Call part
SP-050120	WID on Voice call continuity between CS and IMS (incl. I-WLAN)	SA WG2	7.2.3	Approval	SP-050177	Revised in SP-050177
SP-050121	WID on Enhancement of I-WLAN Scenario 3	SA WG2	7.2.3	Approval		Approved
SP-050122	Update to SA1 WID on Selective Disabling of UE capabilities	SA WG2	7.2.3	Approval		Withdrawn. To be included with SP-050073
SP-050123	Status Report from SA WG3 to TSG SA #27	SA WG3 Chairman	7.3.1	Information		Noted
SP-050124	Draft Report of SA WG3 meeting #37	SA WG3 Secretary	7.3.1	Information		Noted
SP-050125	One Rel-7 CR to 33.108: Aligning comments in National-HI3-ASN1parameters with comments in National-HI2-ASN1parameters (Rel-7)	SA WG3	7.3.3	Approval		Approved. Produces Release 7 version
SP-050126	CRs to lists of specs	MCC (J. Meredith)	8.9	Information		Approved
SP-050127	Specs per Release	MCC (J. Meredith)	8.9	Information		Noted
SP-050128	status list before TSG meetings #27	MCC (J. Meredith)	8.9	Information		Noted
SP-050129	status list after TSG SA meeting #27	MCC (J. Meredith)	8.9	Information		Noted. Corrections to J Meredith
SP-050130	eCall Directive	MCC (J. Meredith)	6.3	Information		Noted. Members should consider impacts of requirements
SP-050131	MCC status report	MCC (J. Meredith)	10	Information		Noted
SP-050132	PSS-MMS-MBMS Audio Codec Characterization Test Plan	SA WG4	7.4.3	Approval		Test Plan Approved
SP-050133	Proposed CR to 21.801: Clarify the usage of specific references	Lucent Technologies	9	Approval		Company contributed CR. Rejected
SP-050134	3GPP Rel 7 time frame	Siemens, TMO, Vodafone	8.11	Decision	SP-050156	Replaced by SP-050154
SP-050135	Reply LS (from SA WG3) to 'Status of OMA Mobile Broadcast Services'	SA WG3	7.3.2	Information		Noted potential overlap of work with OMA
SP-050136	TR 33.978: "Security aspects of early IMS" version 2.0.0	SA WG3	7.3.3	Approval		Approved and put under change control (Rel-6)
SP-050137	One Rel-6 CR to 33.203	SA WG3	7.3.3	Approval		Approved
SP-050138	Three Rel. 6 CRs to 33.200	SA WG3	7.3.3	Approval		Approved
SP-050139	Three Rel-6 CRs to 33.220	SA WG3	7.3.3	Approval		Approved
SP-050140	One Rel-6 CR to TR 33.919	SA WG3	7.3.3	Approval		Approved
SP-050141	Three Rel-6 CRs to 33.222	SA WG3	7.3.3	Approval	SP-050166	CR017R2 was revised in SP-050166. Other CRs approved
SP-050142	Ten Rel-6 CRs to TS 33.234	SA WG3	7.3.3	Approval		CR055 changed to Cat F. Approved
SP-050143	Eighteen Rel. 6 CRs to 33.246	SA WG3	7.3.3	Approval		Approved
SP-050144	LS (from SA WG3) on HTTPS connection between an UICC and a network application function	SA WG3	7.3.2	Action		Related CR in SP-050141. Work should be done fast, review inclusion in Rel-6 in June 2005
SP-050145	New WID: Liberty Alliance and 3GPP Security Interworking	SA WG3	7.3.3	Approval		Approved
SP-050146	3GPP TS 26.411: "Enhanced aacPlus General Audio Codec; Fixed-point ANSI-C code" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved and put under change control (Rel-6)
SP-050147	LS (from TSG T) on Distribution of TSG T WG2 work	TSG T	8.2.1	Action		Endorsed shift of work to SA1 and SA2
SP-050148	Presentation of TSG T #27 meeting to TSG SA #27	TSG T Chairman	8.2.1	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050149	Draft report of TSG T meeting #27	TSG T Secretary	8.2.1	Information		Noted
SP-050150	TSG CN Status report to TSG SA #27	TSG CN Chairman	8.1.1	Information		Noted
SP-050151	TSG CN #27 draft meeting report	TSG CN Secretary	8.1.1	Information		Noted
SP-050152	IETF dependencies list	TSG CN Chairman	8.1.1	Information		Noted
SP-050153	TSG CN Exception Form Package	TSG CN	8.1.2	Endorsement / Approval		Endorsed Late exception list for Rel-6
SP-050154	Scope and Timeframes for Release 7	Cingular Wireless	8.11	Discussion / Decision		Noted. Stage 1 freeze 9/05 other aspects to be decided
SP-050155	Proposed WID: Videotelephony teleservice	T-Mobile	7.1.3	Approval	SP-050189	Company contributed WID. Revised in SP-050189
SP-050156	3GPP Rel 7 time frame	Siemens, T-Mobile, Vodafone	8.11	Decision		Noted. Stage 1 freeze 9/05 other aspects to be decided
SP-050157	Formal letter of support for continuation of current term of TSG SA and GERAN chairmanship	Qualcomm Incorporated	3	Information		Noted
SP-050158	TSG GERAN Status Report to TSG SA #27	TSG GERAN Chairman	8.6.1	Information		Noted
SP-050159	Joint meeting RAN4-SA4 on MBMS (Sophia Antipolis, 4-6 April 2005): guidance for simulations and error patterns for the audio codec characterisation tests	TSG RAN	7.4.2	Information		Noted. Members asked to coordinate RAN4 and SA4 experts in companies
SP-050160	CRs to 23.979	SA WG2	7.2.3	Approval		Approved
SP-050161	LS from ETSI TISPAN: Applicability of TISPAN PSTN ISDN simulation service	ETSI TC TISPAN	6.2	Information		Forwarded to SA1 to check services aspects
SP-050162	Draft report of TSG CT meeting #27	TSG CN Secretary	8.3	Information		Noted
SP-050163	TSG CT #27 Status report to TSG SA #27	TSG CT Chairman	8.3	Information		Noted
SP-050164	MBMS FEC codes	Siemens	7.4.3	Approval		Single FEC Code to be mandated. Decision to be made at SA#28
SP-050165	MBMS FEC selection	TIM, Cingular Wireless, T-Mobile, Vodafone, NTT DoCoMo	7.4.3	Approval		Single FEC Code to be mandated. Decision to be made at SA#28
SP-050166	CR017R2 to 33.222	SA WG3 Secretary	7.3.3	Approval		Approved
SP-050167	TSG RAN #27 Status report	TSG RAN Chairman	8.4.1	Information		Noted
SP-050168	Draft report of TSG RAN meeting #27	TSG RAN Secretary	8.4.1	Information		Noted
SP-050169	Proposal for the development of a contribution for ITU-R WP8F on IP solutions	TSG RAN/ ITU-R Ad Hoc	8.4.1			Agreed proposal and schedule
SP-050170	Revised WID for the work item: UE Antenna Performance Evaluation Method and Requirements	TSG RAN	8.4.1			Noted
SP-050171	Draft Report of the 3GPP TSG new RAN extra-ordinary meeting	TSG RAN Secretary	8.5	Information		Noted
SP-050172	Rel-6 late Work Item forms for TSG RAN Wis	TSG RAN	8.4.2	Endorsement / Approval		
SP-050173	Updated WID on Network Protection	SA WG1	7.1.3	Approval	SP-050182	Revised in SP-050182
SP-050174	CR to 42.068 on Sending of SMS to VGCS group Ids.	SA WG1	7.1.3	Approval		Approved
SP-050175	CR TS 26.140 on Introduction of PIM and DRM (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-050176	CRs 525 R2 and 526 R2 to 23.060	SA WG2	7.2.3	Approval		Approved
SP-050177	WID on Voice call continuity between CS and IMS (incl. I-WLAN)	SA WG2	7.2.3	Approval		Approved
SP-050178	CR 32352-3 Communication Surveillance (CS) IRP	SA WG5	7.5.3	Approval		Revised in SP-050179
SP-050179	CR 32352-3 Communication Surveillance (CS) IRP	SA WG5	7.5.3	Approval		Approved
SP-050180	Update to the GUP WI	Lucent Technologies	7.1.3	Discussion / Decision	SP-050193	Revised in SP-050193
SP-050181	Update of AIPN Feasibility Study WID	SA WG1	7.1.3	Approval		Approved
SP-050182	Updated WID on Network Protection	SA WG1	7.1.3	Approval		Approved
SP-050183	New WI on Rel-7 OSA enhancements	SA WG1	7.1.3	Approval		Approved
SP-050184	New WI on Review of Network Selection Principles	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-050185	CRs forgotten after SA#26	SA WG1	7.1.3	Approval		Approved
SP-050186	3GPP Work Programme	MCC (A. Sultan)	8.8	Information		Noted
SP-050187	MCC review of 3GPP Work Programme	MCC (A. Sultan)	8.8	Discussion / Update	SP-050196	Revised with comments made in SP-050196
SP-050188	LS from OMA-REL: Status of 3GPP dependencies on OMA's work	MCC (A. Sultan)	8.8	Action		Noted. Corrections to A Sultan before transmission to OMA-REL
SP-050189	Proposed WID: Videotelephony teleservice	T-Mobile	7.1.3	Approval		Approved
SP-050190	WITHDRAWN - New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval	SP-050191	WITHDRAWN: Wrong doc number and source. Replaced with SP-050191
SP-050191	New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval		Revised in SP-050192
SP-050192	WITHDRAWN - -New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval	SP-050194	WITHDRAWN: Replaced with SP-050194
SP-050193	Update to the GUP WI	Lucent Technologies	7.1.3	Discussion / Decision		Approved
SP-050194	New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval	SP-050195	Revised in SP-050195
SP-050195	New WID for dynamic and interactive multimedia scenes (Release 7)	SA WG4	7.4.3	Approval		Approved
SP-050196	Updated MCC review of 3GPP Work Programme	MCC (A. Sultan)	8.8	Information		Noted

Annex C: List of attendees and TSG SA Voting List

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158 Participants

C.2 List of eligible Voting members for TSG SA#28

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #26 or #25 (representation of an Individual Member at any of TSG SA Meetings #25, #26 or #27).

Voting list for 3GPP TSG SA (Technical Specification Group - Services and System Aspects)		
List Created on: 31 March 2005		
This report shows the 3GPP Member Companies on the Voting List after TSG SA Meeting #27 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
7 LAYERS AG	3GPPMEMBER - ETSI	DE
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
Alcatel Shanghai Bell Co.	3GPPMEMBER - CCSA	CN
AT&T Wireless Services, Inc. (Membership merged into Cingular Wireless LLC)	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
Cisco Systems Belgium	3GPPMEMBER - ETSI	BE
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
Digital Fountain	3GPPMEMBER - ATIS	US
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
eAccess Ltd	3GPPMEMBER - ARIB	JP
Electronics & Telecommunications Research Institute	3GPPMEMBER - TTA	KR
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - ATIS	US
Ericsson Korea (Membership Withdrawn)	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
Flextronics, GSM Division, ODM Products Group	3GPPMEMBER - ETSI	FI
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
Hewlett-Packard, Centre de Compétences France	3GPPMEMBER - ETSI	FR
HUAWEI TECHNOLOGIES Co. Ltd.	3GPPMEMBER - ETSI	CN
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
Hutchison 3G UK Ltd (3)	3GPPMEMBER - ETSI	GB
IPWireless Inc.	3GPPMEMBER - ETSI	GB
KDDI Corporation	3GPPMEMBER - TTC	JP
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
KT Freetel Co., Ltd.	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies	3GPPMEMBER - ATIS	US
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MELCO MOBILE COMMUNICATIONS EUROPE S.A.	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
Motorola Broadband Com. Sector	3GPPMEMBER - ETSI	US
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
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB

Organisation Name	Organisation Status	Country
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
Nippon Telegraph and Telephone Corporation (NTT)	3GPPMEMBER - ARIB	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
Nokia Telecommunications Inc.	3GPPMEMBER - ATIS	US
NOKIA UK Ltd	3GPPMEMBER - ETSI	GB
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Northstream AB	3GPPMEMBER - ETSI	SE
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
O2 plc	3GPPMEMBER - ETSI	GB
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Office of Telecommunications and Post Regulation	3GPPMEMBER - ETSI	PL
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
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CCSA	CN
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
SBC Communications Inc.	3GPPMEMBER - ATIS	US
Seiko Epson Corporation	3GPPMEMBER - ARIB	JP
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
SiRF Technology Inc	3GPPMEMBER - ETSI	US
SONOFON A/S	3GPPMEMBER - ETSI	DK
STREAMEZZO	3GPPMEMBER - ETSI	FR
SWISSCOM SA	3GPPMEMBER - ETSI	CH
TEKELEC Network	3GPPMEMBER - ETSI	GB
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
Telekom Austria Aktiengesellschaft	3GPPMEMBER - ETSI	AT
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Tieto Enator Telecom R&D	3GPPMEMBER - ETSI	SE
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile International AG	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - ATIS	US
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
TTP Communications plc	3GPPMEMBER - ETSI	GB
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
Vodafone K.K.	3GPPMEMBER - ARIB	JP
VODAFONE LTD	3GPPMEMBER - ETSI	GB
VoiceAge Corporation	3GPPMEMBER - ETSI	CA
Zhongxing Telecom Ltd.	3GPPMEMBER - CCSA	CN

Total: 1057 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #27

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#27	Rel	TSG/WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.16.0	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	C6	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	C6	DIETRICH, Christian	CP-27: change of WG as a result of closure of CN and T. SMG9->T3@#31CP-27: change of WG as a result of closure of CN and T. Target: Mid-2001; must await stable 1.1.14 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	C6	BARNES, Nigel	SMG9->T3@#31CP-27: change of WG as a result of closure of CN and T.
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	CP	BOSWARTHICK, David	CP-27: change of WG as a result of closure of CN and T.
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
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	C6	DIETRICH, Christian	SMG9->T3@#31CP-27: change of WG as a result of closure of CN and T.
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".

Type	Number	Title	Ver at TSG#27	Rel	TSG/WG	Editor	Comment
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0
TS	03.33	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	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	C6	BARNES, Nigel	SMG9->T3@#31CP-27: change of WG as a result of closure of CN and T.
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 tfrd to SMG11
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.4.0	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	8.5.1	R99	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.4.0	R99	C1	MÜNNING, Dirk	CP-27: change of WG as a result of closure of CN and T. TSG#: 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	C4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.CP-27: change of WG as a result of closure of CN and T. 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	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T. #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	C1	HOWELL, Andrew	04.08 will remain as an index. Body txfird to 24.008. Secondary MCC: Gert Thomsen (even numbered CRs)CP-27: change of WG as a result of closure of CN and T. #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 (SMS/SCB) 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	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T. #31: 8.0.0
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.6.0	R99	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#27	Rel	TSG/WG	Editor	Comment
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.25.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaptation on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T. #29: 8.0.0 TSG#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)	8.17.0	R99	G2	GARAPATY, Sonia	
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	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T. #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	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T. #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	8.26.0	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	C1	DOIG, Ian	CP-27: change of WG as a result of closure of CN and T.
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	8.2.0	R99	C1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only. CP-27: change of WG as a result of closure of CN and T.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
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 AI Bakri Jan 2000.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.9.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.1.1.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.9.0	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	8.17.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio subsystem link control	8.22.0	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	
TS	05.15	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines	8.0.0	R99	G1	ESCUlier, Carole	Actually a back formation from 45.015 record.
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	

Type	Number	Title	Ver at TSG#27	Rel	TSG/WG	Editor	Comment
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	
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 enhanced 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 Suppressor 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 enhanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.82	Voice Activity Detection (VAD) for enhanced 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	

Type	Number	Title	Ver at TSG#27	Rel	TSG/WG	Editor	Comment
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	
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	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T.
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 Transceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.52	Base Station Controller - Base Transceiver 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 Controller - Base Transceiver Station (BSC-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 Coders; 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	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	C1	FARHOUMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T. #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 Telephone 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!

Type	Number	Title	Ver at TSG#27	Rel	TSG/WG	Editor	Comment
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.11.0	R99	C6	LAFFONT, Eric	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). CP-27: change of WG as a result of closure of CN and T. 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. CP-27: change of WG as a result of closure of CN and T.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.12.0	R99	C6	GUTHERY, Scott B.	CP-27: change of WG as a result of closure of CN and T. No work on R99. TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.3.0	R99	C6	BEGASSAT, Christophe	CP-27: change of WG as a result of closure of CN and T. TP-11 to be withdrawn at TP-12, subsumed in 31.11; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.17.0	R99	C6	DUBOIS, Christophe	CP-27: change of WG as a result of closure of CN and T. May 00: R99 not anticipated. TP-18: R99 created.
TS	11.17	Subscriber Identity Module (SIM) test specification	8.1.0	R99	C6	SANDSCHNEIDER, Hajo	
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	ANDERSEN, Niels Peter Skov	
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#26	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.15.0	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	C6	KALINER, Stefan	CP-27: change of WG as a result of closure of CN and T.
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	21.900	Technical Specification Group working methods	3.7.0	R99	SP	MEREDITH, John M	SP-22: From now on, is null document pointing to equivalent in latest Release.
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	C1	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-050062.
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.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	C1	ANDERSEN, Niels Peter Skov	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurrected with modified title. TP-27: Considered withdrawing, but decided to leave since Generic Access may imply some modifications to this (in Rel-6 or Rel-7). CP-27: Moved to current group on closure of T2; see TP-050062. 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	C4	SMITH, David	NP-24: referred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	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 routing; 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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	ACHER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	ACHER, 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 2; Service description; Stage 1	3.2.0	R99	S1	DEOL, Amar	Transfer>TSG#4. 2005-03-22: "Phase 1" changed to "Phase 2" following CR at SP-05 (!).
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 (VHE); 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	Multicast; 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	C1	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-050062.
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	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.007	Restoration procedures	3.6.0	R99	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.008	Organisation of subscriber data	3.8.0	R99	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.009	Handover procedures	3.14.0	R99	C1	FARHOUIMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	C4	CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.012	Location management procedures	3.3.0	R99	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	C1	ZAUS, Robert	Should not be in UMTS ???CP-27: change of WG as a result of closure of CN and T.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	3.1.0	R99	C4	PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TS	23.016	Subscriber data management; Stage 2	3.10.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	C4	PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
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. S2 responsibility?
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	CP-27: change of WG as a result of closure of CN and T.
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	C1	CARRION, Inmaculada	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	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	CP-27: Moved to current group on closure of T2; see TP-050062. additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	C1	HARRIS, Ian	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMS-Cs) to Short Message Entities (SMEs)	3.2.0	R99	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	C1	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	C1	HARRIS, Ian	Transfer>TSG#4, CP-27: Moved to current group on closure of T2; see TP-050062.
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	S1	BRENK, Lars	Apr-2001: " Station Application" removed from title. SP-27: Moved to current group on closure of T2; see TP-050062.
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	C4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	C4	CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.19.0	R99	C4	HOMANN, Christian	NP-24: tferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routing (SOR); Technical realization; Stage 2	3.8.0	R99	C4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.084	MultiParty (MPPTY) Supplementary Service; Stage 2	3.2.0	R99	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	C4	CROOK, Mick	CP-27: change of WG as a result of closure of CN and T.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.094	Follow Me Stage 2	3.2.0	R99	C4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5CP-27: change of WG as a result of closure of CN and T. Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	C4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
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. SP-27: scope includes GERAN as well as UTRAN, so this spec will now appear in 01.01 / 41.101 henceforward.
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	C1	DOIG, Ian	This is clause 7 from 04.08 ex R98.CP-27: change of WG as a result of closure of CN and T.
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	C4	ALLEN, Nicholas	New after TSG#5CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	C4	SAWADA, Masahiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T. 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	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98 features.CP-27: change of WG as a result of closure of CN and T. 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	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	C1	HIETALAHTI, Hannu	Sept.00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. SP-27: Still with S2, but Rel-6 onwards -> 23.198 with N5 (see SP-050010).
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	3.4.0	R99	S2	GOURRAUD, Christophe	CP-27: change of WG as a result of closure of CN and T.
TS	23.135	Multical supplementary service; Stage 2	3.2.0	R99	C4	MITAMURA, Kazuo	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	CP	ROEBKE, Matthias	
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	C1	YOKOTA, Fumihiko	New after TSG#5CP-27: change of WG as a result of closure of CN and T. 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	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	C4	PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	C3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS.CP-27: change of WG as a result of closure of CN and T.
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	C4	SHARP, Iain	CP-27: change of WG as a result of closure of CN and T.
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	
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	C1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.CP-27: change of WG as a result of closure of CN and T.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.10.0	R99	C1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.19.0	R99	C1	HOWELL, Andrew	CP-27: change of WG as a result of closure of CN and T.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	C4	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	C1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	C3	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 ".CP-27: change of WG as a result of closure of CN and T.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	C4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.CP-27: change of WG as a result of closure of CN and T. TSG#7:Decision to create.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.084	MultiParty (MPY) Supplementary Service; Stage 3	3.0.0	R99	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	C4	BRUSS, Jörg	CP-27: change of WG as a result of closure of CN and T.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.135	Multical supplementary service; Stage 3	3.2.0	R99	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T.
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)	3.20.0	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	
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)	3.13.0	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		
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	EKEMARK, Sven	
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	MIKOLA, Juha	

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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 User Equipments (Ues) supporting a release-independent frequency band	3.4.0	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	HUS, Olivier	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.9.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.21.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronization in UTRAN Stage 2	3.10.0	R99	R3	KUNZ, Walter	New
TS	25.410	UTRAN lu interface: General Aspects and Principles	3.8.0	R99	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN lu interface layer 1	3.5.0	R99	R3	KUNZ, Walter	
TS	25.412	UTRAN lu interface signalling transport	3.6.0	R99	R3	NG, Cheng Hock	
TS	25.413	UTRAN lu interface Radio Access Network Application Part (RAINAP) signalling	3.14.0	R99	R3	HUBER, Alois	
TS	25.414	UTRAN lu interface data transport & transport signalling	3.13.0	R99	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN lu interface user plane protocols	3.12.0	R99	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN lu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN lur interface: General Aspects and Principles	3.5.0	R99	R3	PALAT, Sudeep	
TS	25.421	UTRAN lur interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.422	UTRAN lur interface signalling transport	3.6.1	R99	R3	PALAT, Sudeep	
TS	25.423	UTRAN lur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.2	R99	R3	ERICSSON, Ingela	
TS	25.424	UTRAN lur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREYON, Nicolas	
TS	25.425	UTRAN lur interface user plane protocols for CCH data streams	3.8.0	R99	R3	DREYON, Nicolas	
TS	25.426	UTRAN lur and lub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN lur and lub interface user plane protocols for DCH data streams	3.11.0	R99	R3	HAKULI, Tuomas	
TS	25.430	UTRAN lub interface: General Aspects and Principles	3.8.0	R99	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN lub interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.432	UTRAN lub interface: signalling transport	3.1.0	R99	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN lub interface NBAP signalling	3.14.2	R99	R3	SEHEDIC, Yann	
TS	25.434	UTRAN lub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	LAVASANI, Shahab	
TS	25.435	UTRAN lub interface user plane protocols for CCH data streams	3.11.0	R99	R3	STOJANOVSKI, Sašo	
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	3.5.0	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 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 lu and Lu	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
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;

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.15.0	R99	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
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	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.007	AT command set for User Equipment (UE)	3.13.0	R99	C1	VOTE, Nicola	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	C3	HAN, Seung Don	GPRSCP-27: change of WG as a result of closure of CN and T.
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	C1	RODERMUND, Friedhelm	TP-27: Considering withdrawal of this document, but need to eliminate any references to it first. CP-27: Moved to current group on closure of T2; see TP-0500062. TSG#8:3.1.0 but this CR not implementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	C1	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	29.002	Mobile Application Part (MAP) specification	3.20.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
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	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
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	C4	KYMALAINEN, Kimmo	Transfer>TSG## (transfer?)CP-27: change of WG as a result of closure of CN and T.
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	C4	WIEHE, Ulrich	Transfer>TSG##CP-27: change of WG as a result of closure of CN and T.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
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	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunneling Protocol (GTP) across the Gn and Gp interface	3.19.0	R99	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	C3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". CP-27: change of WG as a result of closure of CN and T.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	C4	NOLDUS, Rogier	NP-24: t'ferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. 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 Tunneling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	C4	AIKAWA, Shinichiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	C4	MITAMURA, Kazuo	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1	3.4.0	R99	C5	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.CP-27: change of WG as a result of closure of CN and T.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	C1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.CP-27: change of WG as a result of closure of CN and T.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	C5	ABARCA, Chelo	OSA subgroupCP-27: change of WG as a result of closure of CN and T.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.1	R99	C6	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.CP-27: change of WG as a result of closure of CN and T. 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	C6	RUBON, Jean-Francois	CP-27: change of WG as a result of closure of CN and T.
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	C6	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.CP-27: change of WG as a result of closure of CN and T.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.13.0	R99	C6	DUBOIS, Christophe	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.CP-27: change of WG as a result of closure of CN and T.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.1.0	R99	C6	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCPCP-27: change of WG as a result of closure of CN and T. TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.12.0	R99	C6	WILLENBRINK, Udo	based on R99 core spec; split into 2 parts (this is 2)CP-27: change of WG as a result of closure of CN and T.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.8.0	R99	C6	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered which 31.120 was split into two partsCP-27: change of WG as a result of closure of CN and T.
TS	31.124	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	none	R99	C6	LAFFONT, Eric	2004-10-12: Not clear which WI this pertains to (TP-030259, TP-000155, TP-010111, ... ?), or which Release, but logically should be R99. WI UID later confirmed as 43009.CP-27: change of WG as a result of closure of CN and T. Pointer to latest Release.
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	3.9.0	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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point (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)	3.4.0	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	R5	CHALABI, Nouhman	CP-27: change of WG as a result of closure of CN and T. TSG#8:aprvi is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.10.0	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	R5	HIGUCHI, Kenji	CP-27: change of WG as a result of closure of CN and T.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	3.12.0	R99	R5	MAUCKSCH, Thomas	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	R5	SULTAN, Alain	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T. TSG#8: apr1 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)	3.9.0	R99	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T.
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	R5	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901.CP-27: change of WG as a result of closure of CN and T. 2002-09-26: Anticipate approval at TP-18.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	S1	RODERMUND, Friedhelm	SP-27: Moved to current group on closure of T2; see TP-050062.
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	S1	RODERMUND, Friedhelm	SP-27: Moved to current group on closure of T2; see TP-050062.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	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	none	R99	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	R99	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	R99	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	R99	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	4.12.0	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	C6	KALINER, Stefan	CP-27: change of WG as a result of closure of CN and T. 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	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.801	Specification drafting rules	4.4.0	Rel-4	SP	MEREDITH, John M	SP-22: From now on, is null document pointing to equivalent in latest Release.
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	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. Transfer>TSG#5
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. Transfer>TSG#5
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#4
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.
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	C6	BARNES, Nigel	TP-12: was previously 42.048.CP-27: change of WG as a result of closure of CN and T.
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.079	Support of optimal routing; 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		ACHER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4 S1		ACHER, 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
TS	22.097	Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1	4.1.0	Rel-4 S1		DEOL, Amar	Transfer>TSG#4. 2005-03-22: "Phase 1" changed to "Phase 2" following CR at SP-05 (!).
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 (VHE); 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	Multicast; 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 C4		RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.007	Restoration procedures	4.2.0	Rel-4 C4		RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.008	Organisation of subscriber data	4.3.0	Rel-4 C4		SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.009	Handover procedures	4.9.0	Rel-4 C1		FARHOUMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4 C4		CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.012	Location management procedures	4.0.0	Rel-4 C4		KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4 C1		ZAUS, Robert	Should not be in UMTS ???CP-27: change of WG as a result of closure of CN and T.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	4.0.1	Rel-4 C4		PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TS	23.016	Subscriber data management; Stage 2	4.4.0	Rel-4 C4		WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4 C4		PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
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 C1		CARRIÓN, Inmaculada	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	4.5.0	Rel-4	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062. based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMS-Cs) to Short Message Entities (SMEs)	4.0.0	Rel-4	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.040	Technical realization of Short Message Service (SMS)	4.9.0	Rel-4	C1	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	C1	HARRIS, Ian	Transfer>TSG#4. CP-27: Moved to current group on closure of T2; see TP-050062.
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	C6	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,CP-27: change of WG as a result of closure of CN and T.
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	S1	BRENK, Lars	Apr-2001: " Station Application" removed from title. SP-27: Moved to current group on closure of T2; see TP-050062.
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	C4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	C4	CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.1.1.1	Rel-4	C4	HOMANN, Christian	NP-24: xferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. Phase 3.
TS	23.079	Support of Optimal Routing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	C4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	C4	CROOK, Mick	CP-27: change of WG as a result of closure of CN and T.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	C4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
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. SP-27: scope includes GERAN as well as UTRAN, so this spec will now appear in 01.01 / 41.101 henceforward.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4 C1		DOIG, Ian	This is clause 7 from 04.08 ex R98 CP-27: change of WG as a result of closure of CN and T. 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	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4 C4		ALLEN, Nicholas	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4 C4		SAWADA, Masahiro	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98 features.CP-27: change of WG as a result of closure of CN and T.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4 C1		HIETALAHTI, Hannu	Sept.00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. SP-27: Still with S2, but Rel-6 onwards -> 23.198 with N5 (see SP-050010).
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	4.3.0	Rel-4 S2		GOURRAUD, Christophe	CP-27: change of WG as a result of closure of CN and T.
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4 C4		MITAMURA, Kazuo	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.10.0	Rel-4 CP		ROEBKE, Matthias	CP-27: change of WG as a result of closure of CN and T. 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	23.146	Technical realization of facsimile Group 3 service - non-transparent	4.1.0	Rel-4 C3		HAGIWARA, Junichiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.153	Out of Band Transcoder Control; Stage 2	4.12.0	Rel-4 C4		HODGES, Phil	2000-10: Rap change from Keutmann.CP-27: change of WG as a result of closure of CN and T.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.8.0	Rel-4 C4		HODGES, Phil	Derived from R99-specific 23.121
TS	23.221	Architectural requirements	4.2.0	Rel-4 S2		DANIEL, Elizabeth	SP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4 S2		RODERMUND, Friedhelm	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.271	Functional stage 2 description of Location Services (LCS)	4.13.0	Rel-4 S2		WONG, Gavin	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	CP-27: change of WG as a result of closure of CN and T.
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4 C4		KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4 C4		PARK, Ian David Chalmers	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910 (+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS.CP-27: change of WG as a result of closure of CN and T.
TR	23.910	Circuit switched data bearer services	4.9.0	Rel-4 C3		HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4 C4		KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4 C4		SHARP, Iain	CP-27: change of WG as a result of closure of CN and T.
TR	23.930	Iu principles	4.0.0	Rel-4 S2		AXERUD, Bo	CP-27: change of WG as a result of closure of CN and T.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4 C1		ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.4.0	Rel-4 C1		HOWELL, Andrew	Transfer> TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.14.0	Rel-4 C1		HOWELL, Andrew	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	C4	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	C1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	C3	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". CP-27: change of WG as a result of closure of CN and T.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	C4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.CP-27: change of WG as a result of closure of CN and T.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.4.0	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	C4	BRUSS, Jörg	CP-27: change of WG as a result of closure of CN and T.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	4.11.0	Rel-4	R4	FERNANDES, Edgar	CP-27: change of WG as a result of closure of CN and T.
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	
TS	25.133	Requirements for support of radio resource management (FDD)	4.14.0	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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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)	4.8.0	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)	4.8.0	Rel-4	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1		
TS	25.224	Physical layer procedures (TDD)	4.11.0	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	EKEMARK, Sven	
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	MIKOLA, Juha	
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	4.10.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	4.4.0	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	HUS, Olivier	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.5.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.17.0	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	Synchronization in UTRAN Stage 2	4.6.0	Rel-4	R3	KUNZ, Walter	New
TS	25.410	UTRAN lu interface: General Aspects and Principles	4.5.0	Rel-4	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN lu interface layer 1	4.1.0	Rel-4	R3	KUNZ, Walter	
TS	25.412	UTRAN lu interface signalling transport	4.1.0	Rel-4	R3	NG, Cheng Hock	
TS	25.413	UTRAN lu interface Radio Access Network Application Part (RANAP) signalling	4.12.0	Rel-4	R3	HUBER, Alois	
TS	25.414	UTRAN lu interface data transport & transport signalling	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN lu interface user plane protocols	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN lu-BC interface: Service Area Broadcast Protocol (SABP)	4.10.0	Rel-4	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN lur interface: General Aspects and Principles	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.421	UTRAN lur interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.422	UTRAN lur interface signalling transport	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.423	UTRAN lur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.12.1	Rel-4	R3	ERICSSON, Ingela	
TS	25.424	UTRAN lur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN lur interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	DREVON, Nicolas	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	4.13.0	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, Sašo	
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 Synchronization 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: Nevertheless, 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 access 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 R#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 chip rate	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	
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	TrF0/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	Universal Terrestrial Radio Access (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 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 lu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.4.0	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 multimedia 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 Packet-switched Streaming Service (PSS); 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?
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 Adaptive Multi-Rate (AMR) noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078 Replaces 26.078

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TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.12.0	Rel-4	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
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)	4.2.1	Rel-4	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.007	AT command set for User Equipment (UE)	4.6.0	Rel-4	C1	VOTE, Nicola	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	C3	HAN, Seung Don	GPRSCP-27: change of WG as a result of closure of CN and T.
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	C1	RODERMUND, Friedhelm	TP-27: Considering withdrawal of this document, but need to eliminate any references to it first. CP-27: Moved to current group on closure of T2; see TP-0500062.
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	C1	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-0500062.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.6.0	Rel-4	S4	SUERBAUM, Clemens	TP-15: Not to be promoted to Rel-5. 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	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
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)	4.12.0	Rel-4	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
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	C4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer?)CP-27: change of WG as a result of closure of CN and T.
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	C4	WIEHE, Ulrich	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
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	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.11.0	Rel-4	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
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	C3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". CP-27: change of WG as a result of closure of CN and T.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	C4	NOLDUS, Rogier	NP-24: tferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. 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)

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TS	29.119	GPRS Tunneling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	C4	AIKAWA, Shinichiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	C4	MITAMURA, Kazuo	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.7	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	4.7.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.9.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control Service Capability Feature (SCF)	4.1.1.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	4.10.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	4.5.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	4.5.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	4.8.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	4.5.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	4.5.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	C4	ANGELO, Ciriaco	CP-27: change of WG as a result of closure of CN and T.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	C4	HEIDERMARK, Alf	CP-27: change of WG as a result of closure of CN and T.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.1.1.0	Rel-4	C4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.ITCP-27: change of WG as a result of closure of CN and T.
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	C1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.

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TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	4.0.2	Rel-4	C4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.CP-27: change of WG as a result of closure of CN and T.
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	none	Rel-4	C6	RUBON, Jean-Francois	Test spec for 23.048.CP-27: change of WG as a result of closure of CN and T. TP-24: target for approval = TP-25.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.2.1	Rel-4	C6	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.CP-27: change of WG as a result of closure of CN and T.
TS	31.102	Characteristics of the USIM application	4.14.0	Rel-4	C6	RUBON, Jean-Francois	CP-27: change of WG as a result of closure of CN and T.
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	C6	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.CP-27: change of WG as a result of closure of CN and T. TP-26: T3 indicates it needs further studies on this document.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.14.0	Rel-4	C6	DUBOIS, Christophe	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.CP-27: change of WG as a result of closure of CN and T.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	4.0.0	Rel-4	C6	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCPCP-27: change of WG as a result of closure of CN and T. Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.1.1.0	Rel-4	C6	WILLENBRINK, Udo	based on R99 core spec; split into 2 parts (this is 2)CP-27: change of WG as a result of closure of CN and T.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	4.0.0	Rel-4	C6	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered which 31.120 was split into two partsCP-27: change of WG as a result of closure of CN and T. 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TS	31.124	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	none	Rel-4	C6	LAFFONT, Eric	2004-10-12: Not clear which WI this pertains to (TP-030259, TP-000155, TP-010111, ... ?), or which Release, but logically should be R99. WI UID later confirmed as 43009.CP-27: change of WG as a result of closure of CN and T. Pointer to latest Release.
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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP); Information Service (IS)	4.8.0	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	4.8.0	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
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	4.5.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.10.0	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

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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
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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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 (SS)	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)	4.5.0	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)	4.4.0	Rel-4	S5	PIRT, Trevor	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
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	PIRT, Trevor	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	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	4.1.1.0	Rel-4	R5	CHALABI, Nouhman	CP-27: change of WG as a result of closure of CN and T. 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	4.6.0	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	R5	HIGUCHI, Kenji	CP-27: change of WG as a result of closure of CN and T.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	4.10.0	Rel-4	R5	MAUCKSCH, Thomas	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	R5	SULTAN, Alain	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)	4.0.0	Rel-4	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T.
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	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	R5	NIELSEN, Bjarke	CP-27: change of WG as a result of closure of CN and T.
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
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*;	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*;	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*;	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4

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TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	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	4.14.0	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	C6	HOOKER, Philip	CP-27: change of WG as a result of closure of CN and T. 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	C6	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.CP-27: change of WG as a result of closure of CN and T.
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	
TS	43.005	Technical performance objectives	4.0.0	Rel-4	CP	BOSWARTHICK, David	CP-27: change of WG as a result of closure of CN and T. Note that 03.05 was a TR, but Rel-4 has been drafted as a TS.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
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	C6	DIETRICH, Christian	For test spec, see 51.013.CP-27: change of WG as a result of closure of CN and T.
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.
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	3G security; 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	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
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	4.6.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	

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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	General Packet Radio Service (GPRS); 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	4.5.0	Rel-4	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.4.0	Rel-4	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	C4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.CP-27: change of WG as a result of closure of CN and T.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
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 (SMS-SCB) 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	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.4.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.20.0	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	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.13.0	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	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T.
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	4.20.0	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	C1	DOIG, Ian	CP-27: change of WG as a result of closure of CN and T.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	4.3.0	Rel-4	C1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.CP-27: change of WG as a result of closure of CN and T.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
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	4.4.0	Rel-4	G1	JOKINEN, Harri	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.4.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.15.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.16.0	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	
TS	45.015	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines	4.0.0	Rel-4	G1	ESCULIER, Carole	
TS	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	2005-03: Document type changed from TR to TS, since this doc obviously contains requirements, and Rel-4 / Rel-5 documents already showed themselves to be TSs (despite doc type in database!).
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; 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 sequences for the GSM half rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	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	Full rate speech; Substitution and muting of lost frames for full rate speech channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Full rate speech; Comfort noise aspect for full rate speech traffic channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half rate speech; 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	Half rate speech; Comfort noise aspects for the half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	Enhanced Full Rate (EFR) 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 (EFR) speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR) speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	46.055	Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced Full Rate (EFR) speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for Enhanced Full Rate (EFR) 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 Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects	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	4.4.0	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	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T.
TS	48.031	Location Services LCS; Serving Mobile Location Centre - Serving Mobile Location Centre (SM-LC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; General aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Transceiver 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	
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	4.0.2	Rel-4	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	C1	FARHOUMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
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	4.14.0	Rel-4	C6	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application". CP-27: change of WG as a result of closure of CN and T. 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! CP-27: change of WG as a result of closure of CN and T. TP-15: New WI approved in TP-020029.
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.2.0	Rel-4	C6	BEGASSAT, Christophe	CP-27: change of WG as a result of closure of CN and T. 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). TP-26: no promotion to Rel-5 or beyond needed
TS	51.014	Subscriber Identity Module - Mobile Equipment (SIM - ME) interface	4.5.0	Rel-4	C6	DUBOIS, Christophe	CP-27: change of WG as a result of closure of CN and T. .
TS	51.017	Subscriber Identity Module (SIM) test specification	4.0.0	Rel-4	C6	SANDSCHNEIDER, Hajo	
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	4.4.0	Rel-4	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
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.
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	none	Rel-4	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	none	Rel-4	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	Rel-4	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	Rel-4	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.9.0	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	C6	KALINER, Stefan	CP-27: change of WG as a result of closure of CN and T.
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: From now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	5.9.0	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
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	C6	BARNES, Nigel	TP-12: was previously 42.048.CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	5.15.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routing; 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 2; Service description; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4. 2005-03-22: "Phase 1" changed to "Phase 2" following CR at SP-05 (!).
TS	22.101	Service aspects; Service principles	5.13.0	Rel-5	S1	DEOL, Amar	
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	C6	MEYER, Michael	CP-27: change of WG as a result of closure of CN and T.
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 (VHE); 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. SP-26: do not upgrade to Rel-6
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	Multicast; 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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	5.6.0	Rel-5 S1		CATALDO, Mark	2004-09-30: 'IMS' added to title in database for ease of searching. Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streaming service; Stage 1	5.0.0	Rel-5 S1		WATSON, John	
TR	22.944	Report on service requirements for UE functionality split	5.1.0	Rel-5 S1		BARNES, Nigel	Transfer>TSG#4, CR at TSG#5
TS	23.002	Network architecture	5.12.0	Rel-5 S2		MILINSKI, Alexander	CP-27: change of WG as a result of closure of CN and T.
TS	23.003	Numbering, addressing and identification	5.10.0	Rel-5 C4		RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.007	Restoration procedures	5.1.0	Rel-5 C4		RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.008	Organisation of subscriber data	5.7.0	Rel-5 C4		SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.009	Handover procedures	5.8.0	Rel-5 C1		FARHOUMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5 C4		CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.012	Location management procedures	5.2.0	Rel-5 C4		KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5 C1		ZAUS, Robert	Should not be in UMTS ???CP-27: change of WG as a result of closure of CN and T.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	5.0.0	Rel-5 C4		PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TS	23.016	Subscriber data management; Stage 2	5.3.0	Rel-5 C4		WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.018	Basic Call Handling; Technical realization	5.9.0	Rel-5 C4		PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
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 C1		CARRIÓN, Inmaculada	CP-27: change of WG as a result of closure of CN and T.
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	5.1.0	Rel-5 C1		HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMS-Cs) to Short Message Entities (SMEs)	5.0.0	Rel-5 C1		HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062. TP-26: Not to be upgraded to Rel-6.
TS	23.040	Technical realization of Short Message Service (SMS)	5.8.1	Rel-5 C1		HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.2.0	Rel-5 C1		HARRIS, Ian	Transfer>TSG#4. CP-27: Moved to current group on closure of T2; see TP-050062.
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 C6		BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048, CP-27: change of WG as a result of closure of CN and T. TP-26: No promotion to Rel-6, contents is all in 31.115 & 31.116.
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 S1		BRENK, Lars	Apr-2001: " Station Application" removed from title. SP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	5.10.0	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 C4		LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.0.0	Rel-5 C4		SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5 C4		CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.9.0	Rel-5 C4		HOMANN, Christian	NP-24: xferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. Phase 4.
TS	23.079	Support of Optimal Routing (SOR); Technical realization; Stage 2	5.5.0	Rel-5 C4		PARK, Ian David Chalmers	CR at TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5 C4		KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	C4	CROOK, Mick	CP-27: change of WG as a result of closure of CN and T.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	C4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	C4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.101	General UMTS Architecture	5.0.1	Rel-5	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	5.13.0	Rel-5	S2	RINNE, Janne	was 23.907. SP-27: scope includes GERAN as well as UTRAN, so this spec will now appear in 01.01 / 41.101 henceforward.
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	C1	DOIG, Ian	This is clause 7 from 04.08 ex R98.CP-27: change of WG as a result of closure of CN and T. 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	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	C4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	C4	SAWADA, Masahiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.3.0	Rel-5	C1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98 features.CP-27: change of WG as a result of closure of CN and T.
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. SP-27: Still with S2, but Rel-6 onwards -> 23.198 with N5 (see SP-050010).
TS	23.135	Multicast supplementary service; Stage 2	5.0.0	Rel-5	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.11.0	Rel-5	CP	ROEBKE, Matthias	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062. 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	C3	HAGIWARA, Junichiro	CP-27: change of WG as a result of closure of CN and T.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.10.0	Rel-5	C4	HODGES, Phil	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.5.0	Rel-5	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.4.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895. SP-20: approved as a Rel-5 document, not Rel-6.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.8.0	Rel-5	C4	HODGES, Phil	2000-10: Rap change from Keutmann.CP-27: change of WG as a result of closure of CN and T.
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	5.8.0	Rel-5	C1	DRAGE, Keith	CP-27: change of WG as a result of closure of CN and T.
TS	23.221	Architectural requirements	5.11.0	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	S2	RODERMUND, Friedhelm	SP-27: Moved to current group on closure of T2; see TP-050062. TP-26: Not to be upgraded to Rel-6.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.13.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.3.0	Rel-5	S2	TERRILL, Stephen	
TS	23.271	Functional stage 2 description of Location Services (LCS)	5.13.0	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	5.6.0	Rel-5	C4	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178. NP-24: txferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. 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). Not to progress to Rel-6: see 23.271.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÄLL, Jan	
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.
TR	23.910	Circuit switched data bearer services	5.5.0	Rel-5	C3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS.CP-27: change of WG as a result of closure of CN and T. NP-25: In view of the intention to replace by a TS, this TR will not be upgraded to Rel-6.
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	5.0.0	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.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.1	Rel-5	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.4.0	Rel-5	C1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.12.0	Rel-5	C1	HOWELL, Andrew	CP-27: change of WG as a result of closure of CN and T.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	C4	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	C1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	C3	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".CP-27: change of WG as a result of closure of CN and T.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	C4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.CP-27: change of WG as a result of closure of CN and T.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.5.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.084	MultiParty (MPY) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	C4	BRUSS, Jörg	CP-27: change of WG as a result of closure of CN and T.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.135	Multicall supplementary service; Stage 3	5.0.0	Rel-5	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T.
TS	24.228	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.12.0	Rel-5	C1	KISS, Krisztian	CP-27: change of WG as a result of closure of CN and T. Post NP-25: not to be upgraded to Rel-6. NP-26: confirmed: contents submitted by other specs.
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.12.0	Rel-5	C1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.CP-27: change of WG as a result of closure of CN and T.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	5.14.0	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)	5.9.0	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	ULTRA 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)	5.10.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.14.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	5.9.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	5.7.0	Rel-5	R4	MEYER, Jueigen	
TS	25.143	ULTRA 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)	5.6.0	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)	5.10.0	Rel-5	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	5.6.0	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)	5.7.0	Rel-5	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1		

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	25.224	Physical layer procedures (TDD)	5.8.0	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	5.4.0	Rel-5	R2	EKEMARK, Sven	
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	5.2.0	Rel-5	R2	MIKOLA, Juha	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	5.8.0	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	5.10.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	5.3.0	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	5.7.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.10.0	Rel-5	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	5.10.0	Rel-5	R2	HUS, Olivier	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.3.0	Rel-5	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	5.5.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.12.1	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	5.9.0	Rel-5	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronization in UTRAN Stage 2	5.3.0	Rel-5	R3	KUNZ, Walter	New
TS	25.410	UTRAN lu interface: General Aspects and Principles	5.4.0	Rel-5	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN lu interface layer 1	5.1.0	Rel-5	R3	KUNZ, Walter	
TS	25.412	UTRAN lu interface signalling transport	5.2.0	Rel-5	R3	NG, Cheng Hock	
TS	25.413	UTRAN lu interface Radio Access Network Application Part (RANAP) signalling	5.11.0	Rel-5	R3	HUBER, Alois	
TS	25.414	UTRAN lu interface data transport & transport signalling	5.7.0	Rel-5	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN lu interface user plane protocols	5.5.0	Rel-5	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN lu-BC interface: Service Area Broadcast Protocol (SABP)	5.7.0	Rel-5	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN lur Interface: General Aspects and Principles	5.2.0	Rel-5	R3	PALAT, Sudeep	
TS	25.421	UTRAN lur interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	
TS	25.422	UTRAN lur interface signalling transport	5.1.0	Rel-5	R3	PALAT, Sudeep	
TS	25.423	UTRAN lur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.13.0	Rel-5	R3	ERICSSON, Ingela	
TS	25.424	UTRAN lur interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	
TS	25.425	UTRAN lur interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	DREVON, Nicolas	
TS	25.426	UTRAN lur and lub interface data transport & transport signalling for DCH data streams	5.6.0	Rel-5	R3	KEKKI, Sami	
TS	25.427	UTRAN lur and lub interface user plane protocols for DCH data streams	5.4.0	Rel-5	R3	HAKULI, Tuomas	
TS	25.430	UTRAN lub Interface: General Aspects and Principles	5.4.0	Rel-5	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN lub interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	
TS	25.432	UTRAN lub interface: signalling transport	5.1.0	Rel-5	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN lub interface NBAP signalling	5.12.0	Rel-5	R3	SEHEDIC, Yann	

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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, Sašo	
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	5.10.0	Rel-5	R3	JOLLEY, Vincent	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
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 access 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	DIEMEN, 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 Amirjoo.
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	DREYON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Dreyon). 2004-11: WG Secretary indicates this will not need to be upgraded to Rel-6. 2004-11: confirmed by WG.
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	SKOLD, 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	
TR	25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	promoted from Rel-4 at RP-12.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	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

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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	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Uu	5.2.0	Rel-5	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	5.6.0	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 multimedia 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	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec	5.9.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	

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TS	26.194	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to lu, Uu and Nb	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANS-LC code	5.3.0	Rel-5	S4	N, A	
TS	26.226	Cellular text telephone modem; General description	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-07-27: database title changed from "Global text telephony (GTT); Transport of text in the voice channel". TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4.
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	5.0.2	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-06-27: title in database changed from "Global text telephony (GTT); Cellular text telephone modem transmitter C-code description" to reflect document TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Cellular text telephone modem; Minimum performance requirements	5.2.1	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 Packet-switched Streaming Service (PSS); Protocols and codecs	5.7.0	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	5.6.0	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	
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	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
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)	5.0.1	Rel-5	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	27.007	AT command set for User Equipment (UE)	5.6.0	Rel-5	C1	VOTE, Nicola	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.6.0	Rel-5	C3	HAN, Seung Don	GPRSCP-27: change of WG as a result of closure of CN and T.

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TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	C1	RODERMUND, Friedhelm	TP-27: Considering withdrawal of this document, but need to eliminate any references to it first. CP-27: Moved to current group on closure of T2; see TP-050062. TP-26: Not to be upgraded to Rel-6.
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-050062. TP-26: Not to be upgraded to Rel-6.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.5.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	5.10.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
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)	5.11.0	Rel-5	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
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)	5.7.0	Rel-5	C4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer?)CP-27: change of WG as a result of closure of CN and T.
TS	29.011	Signalling interworking for Supplementary Services	5.0.0	Rel-5	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	C4	WIEHE, Ulrich	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
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	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.13.0	Rel-5	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
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	C3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". CP-27: change of WG as a result of closure of CN and T. 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.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.9.0	Rel-5	C4	NOLDUS, Rogier	NP-24: xferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. 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	C4	AIKAWA, Shinichiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	C4	MITAMURA, Kazuo	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.8.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.

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TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	5.8.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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)	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	5.9.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	5.7.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	5.8.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	5.8.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	5.7.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	5.8.2	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	5.6.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	5.7.1	Rel-5	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.2.0	Rel-5	C4	ANGELO, Ciriaco	CP-27: change of WG as a result of closure of CN and T.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	5.1.0	Rel-5	C4	HEIDERMARK, Alf	CP-27: change of WG as a result of closure of CN and T.
TS	29.207	Policy control over Go interface	5.9.0	Rel-5	C3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". CP-27: change of WG as a result of closure of CN and T.
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.9.0	Rel-5	C3	SILLANPÄÄ, Anna	CP-27: change of WG as a result of closure of CN and T.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.11.0	Rel-5	C4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez-CP-27: change of WG as a result of closure of CN and T.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.10.0	Rel-5	C4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. CP-27: change of WG as a result of closure of CN and T.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.10.0	Rel-5	C4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT. CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.4.0	Rel-5	C4	REMOQUILLO, Angelica	NP-16 Existence hinted at in N2 report. Draft believed to have been seen at N2. NP-24: txferrred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. 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	5.9.0	Rel-5	C4	BERRY, Nigel, H	NP-21: Title changed to include Dh interface as well as Sh.CP-27: change of WG as a result of closure of CN and T.
TS	29.329	Sh interface based on the Diameter protocol	5.9.0	Rel-5	C4	BERRY, Nigel, H	CP-27: change of WG as a result of closure of CN and T.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
TR	29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer	5.0.0	Rel-5	C4	YOUNG, Michael	Supersedes 29.203.CP-27: change of WG as a result of closure of CN and T. 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	C1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	Evidence for existence unearthed in N5-020143.CP-27: change of WG as a result of closure of CN and T. NP-15: Was originally Rel-6, but moved to Rel 5.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	5.0.1	Rel-5	C4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.CP-27: change of WG as a result of closure of CN and T.
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	5.0.4	Rel-5	C6	RUBON, Jean-Francois	Test spec for 23.048.CP-27: change of WG as a result of closure of CN and T. TP-26: No promotion to Rel-6 because 23.048 not promoted.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.2.1	Rel-5	C6	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.CP-27: change of WG as a result of closure of CN and T. TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM application	5.12.0	Rel-5	C6	RUBON, Jean-Francois	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.9.0	Rel-5	C6	VESTERGAARD, Peter	2004-05-07:additional rapporteur: Peter Vestergaard.CP-27: change of WG as a result of closure of CN and T.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.9.0	Rel-5	C6	DUBOIS, Christophe	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.CP-27: change of WG as a result of closure of CN and T.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	C6	N, A	CP-27: change of WG as a result of closure of CN and T. 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	5.6.0	Rel-5	C6	N, A	CP-27: change of WG as a result of closure of CN and T. 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	C6	MEYER, Michael	CP-27: change of WG as a result of closure of CN and T.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	5.0.0	Rel-5	C6	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCPCP-27: change of WG as a result of closure of CN and T. Fill in of missing Release
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	5.1.0	Rel-5	C6	WILLENBRINK, Udo	based on R99 core spec; split into 2 parts (this is 2)CP-27: change of WG as a result of closure of CN and T. 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	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)	5.6.0	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)	5.6.0	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.9.0	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	5.8.0	Rel-5	S5	GOERMER, Gerald	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.9.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.8.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.8.0	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 (pairs)

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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)	5.2.0	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
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	5.5.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.10.0	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)	5.3.0	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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	5.1.1	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)	5.3.1	Rel-5	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.1	Rel-5	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.1	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	5.5.1	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)	5.5.0	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)	5.4.0	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)	5.5.0	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	5.5.0	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)	5.7.0	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 (SS)	5.3.0	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 (SS)	5.4.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Bulk CM extensible Markup Language (XML) file format definition	5.5.0	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)	5.6.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.5.0	Rel-5	S5	PIRT, Trevor	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)	5.6.0	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	5.6.0	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)	5.3.0	Rel-5	S5	PIRT, Trevor	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	5.6.0	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)	5.3.0	Rel-5	S5	PAL, Tapinder	SP-15: will not exist in Rel-5. SP-17 Oh yes it will!

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	PIRT, Trevor	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Requirements	5.0.1	Rel-5	S5	PAL, Tapinder	
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Network Resource Model (NRM)	5.0.1	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. SP-26: assume no desire to upgrade to Rel-6.
TS	33.102	3G security; Security architecture	5.5.0	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)	5.9.1	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	5.9.0	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	5.4.0	Rel-5	R5	CHALABI, Noughman	CP-27: change of WG as a result of closure of CN and T.
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.4.0	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)	5.7.0	Rel-5	R5	HIGUCHI, Kenji	CP-27: change of WG as a result of closure of CN and T.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	5.0.0	Rel-5	R5	MAUCKSCH, Thomas	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.11.1	Rel-5	R5	SULTAN, Alain	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.1.1.0	Rel-5	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)	5.0.0	Rel-5	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T. Rel-5 record created on freezing Rel-6, December 2004.
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	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	5.0.0	Rel-5	R5	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004.CP-27: change of WG as a result of closure of CN and T. TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!)
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
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	5.10.0	Rel-5	SP	MEREDITH, John M	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	C6	DIETRICH, Christian	TP-17. From Rel-6, transferred to ETSI TS 102 240.CP-27: change of WG as a result of closure of CN and T.
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.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	
TS	43.005	Technical performance objectives	5.0.0	Rel-5	CP	BOSWARTHICK, David	CP-27: change of WG as a result of closure of CN and T. NP-21: Decision not to progress this to Rel-6. NP-26: change of plan! CP-27: change of WG as a result of closure of CN and T.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	C3	HAN, Seung Don	
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	C6	DIETRICH, Christian	For test spec, see 51.013.CP-27: change of WG as a result of closure of CN and T.
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	3G security; Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T.
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	5.5.0	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	General Packet Radio Service (GPRS); 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	5.5.0	Rel-5	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.4.0	Rel-5	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	C4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.CP-27: change of WG as a result of closure of CN and T.
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	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
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)

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	44.014	Individual equipment type requirements and interworking; Special performance testing functions	5.3.0	Rel-5	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.19.0	Rel-5	G2	HOWELL, Andrew	
TS	44.021	Rate Adaptation on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.12.0	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	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T.
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	5.15.0	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	C1	DOIG, Ian	CP-27: change of WG as a result of closure of CN and T.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	5.2.0	Rel-5	C1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.CP-27: change of WG as a result of closure of CN and T.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	5.10.0	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	5.8.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	5.13.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.12.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.1	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.11.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.18.0	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	
TS	45.015	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines	5.0.0	Rel-5	G1	ESCOLIER, Carole	
TS	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	2005-03: Document type changed from TR to TS, since this doc obviously contains requirements, and Rel-4 / Rel-5 documents already showed themselves to be TSs (despite doc type in database!).

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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; 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 sequences for the GSM half rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	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	Full rate speech; Substitution and muting of lost frames for full rate speech channels	5.0.0	Rel-5	S4	NAVARRO, William	
TS	46.012	Full rate speech; Comfort noise aspect for full rate speech traffic channels	5.0.0	Rel-5	S4	SERENO, Daniele	
TS	46.020	Half rate speech; 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	Half rate speech; Comfort noise aspects for the half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.031	Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.032	Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.041	Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.042	Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.051	Enhanced Full Rate (EFR) 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 (EFR) speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR) speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.060	Enhanced Full Rate (EFR) speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for Enhanced Full Rate (EFR) 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	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	46.085	Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	
TS	48.001	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects	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	5.4.0	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	5.11.0	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	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T.
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 Transceiver Station (BSC-BTS) interface; General aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Transceiver 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 (BSC-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	5.0.1	Rel-5	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	C1	FARHOUIMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.11.0	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	5.11.0	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)	5.4.0	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	5.3.0	Rel-5	C6	BEGASSAT, Christophe	CP-27: change of WG as a result of closure of CN and T. TP-16: WI is TP-020122. TP-26: No promotion to Rel-6.
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	5.3.0	Rel-5	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
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#26	Rel	TSG/WG	Editor	Comment
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	0.0.0	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	0.0.1	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	none	Rel-5	C6	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered which 31.120 was split into two partsCP-27: change of WG as a result of closure of CN and T.
TS	31.124	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	none	Rel-5	C6	LAFFONT, Eric	2004-10-12: Not clear which WI this pertains to (TP-030259, TP-000155, TP-010111, ... ?), or which Release, but logically should be R99. WI UID later confirmed as 43009 CP-27: change of WG as a result of closure of CN and T. Pointer to latest Release.
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,	
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	none	Rel-5	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	Rel-5	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release
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	none	Rel-5	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEAK encryption algorithm for GPRS; Document 4: Design and evaluation report	none	Rel-5	S3	N, A	2003-09-30: Note: document only available with French export licence. Fill in of missing Release

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	6.1.0	Rel-6	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	6.1.0	Rel-6	C6	KALINER, Stefan	CP-27: change of WG as a result of closure of CN and T.
TR	21.801	Specification drafting rules	6.0.0	Rel-6	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	6.4.0	Rel-6	SP	MEREDITH, John M	SP-22: From 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	6.8.0	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	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Transfer>TSG#5 Rel-6 record created on freezing the Release, December 2004.
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Transfer>TSG#5 Rel-6 record created on freezing the Release, December 2004.
TS	22.004	General on supplementary services	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.011	Service accessibility	6.4.0	Rel-6	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	6.0.0	Rel-6	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.024	Description of Charge Advice Information (CAI)	6.0.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4, CR at TSG#5 Rel-6 record created on freezing the Release, December 2004.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	6.0.1	Rel-6	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	6.0.0	Rel-6	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Rel-6 record created on freezing the Release, December 2004.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	6.0.0	Rel-6	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). Rel-6 record created on freezing the Release, December 2004.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.4.0	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

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	6.0.0	Rel-6	S4	NAVARRO, William	Transfer>TSG#4. Rel-6 record created on freezing the Release, December 2004.
TS	22.057	Mobile Execution Environment (MEXE) service description; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4; Rel-4 changes title from "Mobile Station Application Execution Environment (MEXE); Stage 1". Rel-6 record created on freezing the Release, December 2004.
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	22.072	Call Deflection (CD); Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.7.0	Rel-6	S1	GRECH, Michel	
TS	22.079	Support of optimal routing; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.081	Line Identification supplementary services; Stage 1	6.0.0	Rel-6	S1	BLOMSTRAND, Ola	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	6.0.0	Rel-6	S1	IBIDUN, Kunle	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.084	MultiParty (MPPTY) supplementary service; Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	6.0.0	Rel-6	S1	BLOMSTRAND, Ola	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.087	User-to-user signalling (UUS); Stage 1	6.0.0	Rel-6	S1	ACHER, Johannes	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.088	Call Barring (CB) supplementary services; Stage 1	6.0.0	Rel-6	S1	ACHER, Johannes	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	6.0.0	Rel-6	S1	IGNATIUS, Jan	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
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	22.096	Name identification supplementary services; Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.097	Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4, 2005-03-22: "Phase 1" changed to "Phase 2" following CR at SP-05 (!). Rel-6 record created on freezing the Release, December 2004. SP-020234 slide 11 justifies existence.
TS	22.101	Service aspects; Service principles	6.9.0	Rel-6	S1	DEOL, Amar	
TS	22.105	Services and service capabilities	6.3.0	Rel-6	S1	ZARRI, Michele	
TS	22.112	USIM toolkit interpreter; Stage 1	6.0.0	Rel-6	C6	MEYER, Michael	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.8.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of W1 "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	22.135	Multicast; Service description; Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. (development in T2)
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.7.0	Rel-6	S1	MEYER, Juergen	
TS	22.141	Presence service; Stage 1	6.4.0	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	6.6.0	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	22.226	Global text telephony (GTT); Stage 1; Service description	6.0.0	Rel-6	S1	CLAYTON, Michael	SP-16: to "GERAN" set. Rel-6 record created on freezing the Release, December 2004.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	6.8.0	Rel-6	S1	CATALDO, Mark	2004-09-30: "IMS" added to title in database for ease of searching. SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streaming service; Stage 1	6.3.0	Rel-6	S1	WATSON, John	
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	BOOTE, Michael	2003-10-31: Spec number formally allocated SP-22: target for approval = SP-25. SP-25: this release unwithdrawn!
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.5.0	Rel-6	S1	BISCHINGER, Kurt	Cf work item "Generic user profile" SP-17: Expected for SP-18.
TS	22.242	Digital Rights Management (DRM); Stage 1	6.3.0	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. SP-25: will make this a blank doc just referencing the OMA spec; will not be propagated to Rel-7.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	W1 UID = 31006 Delayed from Rel-5.
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.2.0	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	6.2.0	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	S1	RODERMUND, Friedhelm	SP-27: Moved to current group on closure of T2; see TP-050062.
TR	22.934	Feasibility study on 3GPP system to Wireless 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	22.944	Report on service requirements for UE functionality split	6.0.0	Rel-6	S1	BARNES, Nigel	Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	6.4.0	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	6.2.0	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	Transfer>TSG#4, CR at TSG#5
TS	23.002	Network architecture	6.7.0	Rel-6	S2	MILINSKI, Alexander	CP-27: change of WG as a result of closure of CN and T.
TS	23.003	Numbering, addressing and identification	6.6.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.007	Restoration procedures	6.1.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T.
TS	23.008	Organisation of subscriber data	6.5.0	Rel-6	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6
TS	23.009	Handover procedures	6.0.0	Rel-6	C1	FARHOUMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T.
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	C4	CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T.
TS	23.012	Location management procedures	6.3.0	Rel-6	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	6.0.0	Rel-6	C1	ZAUS, Robert	Should not be in UMTS ???CP-27: change of WG as a result of closure of CN and T.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	6.0.0	Rel-6	C4	PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TS	23.016	Subscriber data management; Stage 2	6.1.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.018	Basic Call Handling; Technical realization	6.4.0	Rel-6	C4	PARK, Ian David Chalmers	CP-27: change of WG as a result of closure of CN and T.
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	6.0.0	Rel-6	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Rel-6 record created on freezing the Release, December 2004.
TS	23.032	Universal Geographical Area Description (GAD)	6.0.0	Rel-6	S2	HIETALAHTI, Hannu	S2 responsibility? Rel-6 record created on freezing the Release, December 2004.
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	6.0.0	Rel-6	C1	CARRIÓN, Inmaculada	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.035	Immediate Service Termination (IST); Stage 2	6.0.0	Rel-6	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). Rel-6 record created on freezing the Release, December 2004.
TS	23.038	Alphabets and language-specific information	6.1.0	Rel-6	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.040	Technical realization of Short Message Service (SMS)	6.5.0	Rel-6	C1	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.2.0	Rel-6	C1	HARRIS, Ian	Transfer>TSG#4. CP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.042	Compression algorithm for SMS	6.0.0	Rel-6	T2	HARRIS, Ian	Rel-6 record created on freezing the Release, December 2004.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	6.0.0	Rel-6	S4	USAI, Paolino	No draft. Rel-6 record created on freezing the Release, December 2004.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.2.0	Rel-6	S1	BRENK, Lars	Apr-2001: " Station Application" removed from title. SP-27: Moved to current group on closure of T2; see TP-050062.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	6.8.0	Rel-6	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	6.0.0	Rel-6	C4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.1.0	Rel-6	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T.
TS	23.072	Call Deflection Supplementary Service; Stage 2	6.0.0	Rel-6	C4	CONRAD, Alan	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.5.0	Rel-6	C4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T.
TS	23.079	Support of Optimal Routing (SOR); Technical realization; Stage 2	6.0.0	Rel-6	C4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.081	Line Identification supplementary services; Stage 2	6.0.0	Rel-6	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	6.0.0	Rel-6	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.084	MultiParty (MPPTY) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	6.0.0	Rel-6	C4	CROOK, Mick	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.094	Follow Me Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.096	Name Identification Supplementary Service; Stage 2	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	6.0.0	Rel-6	C4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.101	General UMTS Architecture	6.0.0	Rel-6	S2	OLSSON, Magnus	Rel-6 record created on freezing the Release, December 2004.
TS	23.107	Quality of Service (QoS) concept and architecture	6.2.0	Rel-6	S2	RINNE, Janne	was 23.907. SP-27: scope includes GERAN as well as UTRAN, so this spec will now appear in 01.01 / 41.101 henceforward. SP-22: Rel-6 doc not to be created yet. CRs kept on ice.
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	6.0.0	Rel-6	C1	DOIG, Ian	This is clause 7 from 04.08 ex R98.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.110	UMTS Access Stratum Services and Functions	6.0.0	Rel-6	S2	LOPEZ-TORRES, Oscar	Rel-6 record created on freezing the Release, December 2004.
TS	23.116	Super-Charger technical realization; Stage 2	6.0.0	Rel-6	C4	ALLEN, Nicholas	New after TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.119	Gateway Location Register (GLR); Stage2	6.0.0	Rel-6	C4	SAWADA, Masahiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	6.4.0	Rel-6	C1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98 features.CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2	6.4.0	Rel-6	S2	BOMAN, Krister	WI UID = 32030. SP-23: to be completed by SP-24.
TS	23.135	Multicall supplementary service; Stage 2	6.0.0	Rel-6	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.9.0	Rel-6	CP	ROEBKE, Matthias	2003-12-03: Note that this spec also contains stage 3. CP-27: Moved to current group on closure of T2; see TP-050062. 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	6.7.0	Rel-6	S2	BERTENYI, Balazs	
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	6.0.0	Rel-6	C3	HAGIWARA, Junichiro	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.153	Out of Band Transcoder Control; Stage 2	6.1.0	Rel-6	C4	HODGES, Phil	New after TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	6.2.0	Rel-6	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	23.198	Open Service Access (OSA); Stage 2	6.0.0	Rel-6	C5	ABARCA, Chelo	NP-25: Anticipate approval NP-26; see LS in SP-040493.CP-27: change of WG as a result of closure of CN and T. Anticipate v1.0.0 at NP-26. NP-26: Anticipate approval NP-27.
TS	23.202	Circuit switched data bearer services	6.1.0	Rel-6	C3	HUSLENDE, Ragnar	Derived from 23.910.CP-27: change of WG as a result of closure of CN and T.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	6.1.0	Rel-6	C4	HODGES, Phil	2000-10: Rap change from Keutmann.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.4.0	Rel-6	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	6.3.0	Rel-6	C1	DRAGE, Keith	CP-27: change of WG as a result of closure of CN and T.
TS	23.221	Architectural requirements	6.3.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	6.0.0	Rel-6	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set. Rel-6 record created on freezing the Release, December 2004.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.9.0	Rel-6	S2	TOWLE, Thomas	SP-21: Envisage modifications to cater for PoC feature.
TS	23.234	3GPP system to Wireless Local Area Network (WLAN) interworking; System description	6.4.0	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	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	6.0.0	Rel-6	S2	TERRILL, Stephen	Rel-6 record created on freezing the Release, December 2004.
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.7.0	Rel-6	S2	KOSKINEN, Harri	Cf work item 'Generic user profile' SP-19: moved from Rel-5
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.6.0	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	6.3.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044
TS	23.271	Functional stage 2 description of Location Services (LCS)	6.11.0	Rel-6	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. Continues 23.871
TS	23.278	Customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	6.0.0	Rel-6	C4	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178. NP-24: txferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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

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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	23.903	Redial solution for voice-video switching	6.1.0	Rel-6	S2	PUDNEY, Chris	SP-24: WI = SP-040331 SP-25: anticipate approval at SP-26.
TR	23.941	3GPP Generic User Profile (GUP); Stage 2: Data Description Method (DDM)	6.0.0	Rel-6	C4	KOZA, Yvette	2004-11-16: N4 create this from TS 23.241 which is to be withdrawn. SP-27: the previous decision to transfer work from S1 to N4 is confirmed.CP-27: change of WG as a result of closure of CN and T.
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	6.1.0	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	23.979	3GPP enablers for Open Mobile Alliance (OMA) Push-to-talk over Cellular (PoC) services; Stage 2	6.1.0	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540 SP-23: will be stabilized 3 months after OMA PoC AD work completed. SP-25: anticipate approval at SP-26.
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	6.3.0	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	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	6.0.0	Rel-6	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	6.4.0	Rel-6	C1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5CP-27: change of WG as a result of closure of CN and T.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.8.0	Rel-6	C1	HOWELL, Andrew	CP-27: change of WG as a result of closure of CN and T.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	6.0.0	Rel-6	C4	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	C1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	6.0.0	Rel-6	C3	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".CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	6.3.0	Rel-6	C4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.CP-27: change of WG as a result of closure of CN and T.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	6.0.0	Rel-6	C4	SCHMITT, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.072	Call Deflection Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	6.3.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.081	Line Identification Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.082	Call Forwarding supplementary service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	RUSSELL, Nick	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.

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TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.087	User-to-User Signalling (UUS); Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	6.0.0	Rel-6	C4	BRUSS, Jörg	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.096	Name Identification Supplementary Service; Stage 3	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details	6.2.0	Rel-6	C1	VARGA, József	WI UID = 14504CP-27: change of WG as a result of closure of CN and T.
TS	24.135	Multical supplementary service; Stage 3	6.0.0	Rel-6	C4	MITAMURA, Kazuo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.3.0	Rel-6	C1	DRAGE, Keith	WI = PRSNC (UID 2499)CP-27: change of WG as a result of closure of CN and T. NP-26: Expect completion by NP-27.
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.2.0	Rel-6	C1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-ECP-27: change of WG as a result of closure of CN and T.
TS	24.167	3GPP IMS Management Object (MO); Stage 3	6.0.0	Rel-6	C1	MONRAD, Atle	CP-27: change of WG as a result of closure of CN and T.
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.6.0	Rel-6	C1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.CP-27: change of WG as a result of closure of CN and T.
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	6.2.0	Rel-6	C1	SITCH, Paul	CP-27: change of WG as a result of closure of CN and T.
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.1.0	Rel-6	C1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-ECP-27: change of WG as a result of closure of CN and T.
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	6.0.0	Rel-6	C1	DRAGE, Keith	CP-27: change of WG as a result of closure of CN and T.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.7.0	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)	6.8.0	Rel-6	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	6.2.0	Rel-6	R4	KOTTKAMP, Meik	created for M.1457 update
TS	25.106	UTRA repeater radio transmission and reception	6.2.0	Rel-6	R4	NILSSON, Martin	created for M.1457 update
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	6.1.0	Rel-6	R4	BARNES, David	created for M.1457 update
TS	25.123	Requirements for support of radio resource management (TDD)	6.3.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	6.9.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	6.9.0	Rel-6	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	6.2.0	Rel-6	R4	MEYER, Juergen	created for M.1457 update
TS	25.143	UTRA repeater conformance testing	6.2.0	Rel-6	R4	KUMMETZ, Thomas	Created by renumbering 25.107 created for M.1457 update

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TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	6.1.0	Rel-6 R4	R4	SHEN, Donglin	WI UID = 24012
TS	25.201	Physical layer - general description	6.1.0	Rel-6 R1	R1	GERSTENBERGER, Dirk	created for M.1457 update
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.4.0	Rel-6 R1	R1	PARKVALL, Stefan	created for M.1457 update
TS	25.212	Multiplexing and channel coding (FDD)	6.4.0	Rel-6 R1	R1	MICHEL, Jürgen	created for M.1457 update
TS	25.213	Spreading and modulation (FDD)	6.2.0	Rel-6 R1	R1	WILLENEGGER, Serge	created for M.1457 update
TS	25.214	Physical layer procedures (FDD)	6.5.0	Rel-6 R1	R1	BOUMENDIL, Sarah	created for M.1457 update
TS	25.215	Physical layer; Measurements (FDD)	6.2.0	Rel-6 R1	R1	SUZUKI, Hidetoshi	created for M.1457 update
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.3.0	Rel-6 R1	R1	CHAPMAN, Thomas	created for M.1457 update
TS	25.222	Multiplexing and channel coding (TDD)	6.2.0	Rel-6 R1	R1	BEALE, Martin	created for M.1457 update
TS	25.223	Spreading and modulation (TDD)	6.0.0	Rel-6 R1	R1		created for M.1457 update
TS	25.224	Physical layer procedures (TDD)	6.4.0	Rel-6 R1	R1	RUDOLF, Marian	created for M.1457 update
TS	25.225	Physical layer; Measurements (TDD)	6.1.0	Rel-6 R1	R1	CZAPLA, Liliana	created for M.1457 update
TS	25.301	Radio interface protocol architecture	6.2.0	Rel-6 R2	R2	EKEMARK, Sven	created for M.1457 update
TS	25.302	Services provided by the physical layer	6.3.0	Rel-6 R2	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	6.2.0	Rel-6 R2	R2	MIKOLA, Juha	created for M.1457 update
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	6.5.0	Rel-6 R2	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	R2	MIHAILESCU, Claudiu	Created from 25.923 created for M.1457 update
TS	25.306	UE Radio Access capabilities definition	6.4.1	Rel-6 R2	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. created for M.1457 update
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	6.1.0	Rel-6 R2	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	6.3.0	Rel-6 R2	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. created for M.1457 update
TS	25.309	FDD enhanced uplink; Overall description; Stage 2	6.2.0	Rel-6 R2	R2	GODARD, Tania	WI = "FDD Enhanced Uplink"
TS	25.321	Medium Access Control (MAC) protocol specification	6.4.0	Rel-6 R2	R2	STADLER, Thomas	created for M.1457 update
TS	25.322	Radio Link Control (RLC) protocol specification	6.3.0	Rel-6 R2	R2	HUS, Olivier	created for M.1457 update
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.1.0	Rel-6 R2	R2	HANS, Martin	created for M.1457 update
TS	25.324	Broadcast/Multicast Control (BMC)	6.2.0	Rel-6 R2	R2	HARTL, Mike	created for M.1457 update
TS	25.331	Radio Resource Control (RRC) protocol specification	6.5.0	Rel-6 R2	R2	KUCHIBHOTLA, Ravi	RP-21: 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	6.4.0	Rel-6 R2	R2	PIRSKANEN, Juho	
TS	25.401	UTRAN overall description	6.5.0	Rel-6 R3	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronization in UTRAN Stage 2	6.2.0	Rel-6 R3	R3	KUNZ, Walter	New created for M.1457 update
TS	25.410	UTRAN lu Interface: General Aspects and Principles	6.2.0	Rel-6 R3	R3	DIESEN, Michael	Approval at TSG#5 created for M.1457 update
TS	25.411	UTRAN lu interface layer 1	6.1.0	Rel-6 R3	R3	KUNZ, Walter	created for M.1457 update
TS	25.412	UTRAN lu interface signalling transport	6.1.0	Rel-6 R3	R3	NG, Cheng Hock	created for M.1457 update
TS	25.413	UTRAN lu interface Radio Access Network Application Part (RANAP) signalling	6.5.0	Rel-6 R3	R3	HUBER, Alois	created for M.1457 update
TS	25.414	UTRAN lu interface data transport & transport signalling	6.2.0	Rel-6 R3	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.415	UTRAN lu interface user plane protocols	6.2.0	Rel-6 R3	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.419	UTRAN lu-BC interface: Service Area Broadcast Protocol (SABP)	6.2.0	Rel-6 R3	R3	MCWILLIAMS, Brendan	created for M.1457 update
TS	25.420	UTRAN lur Interface: General Aspects and Principles	6.3.0	Rel-6 R3	R3	PALAT, Sudeep	created for M.1457 update

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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
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.5.0	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	6.3.0	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	6.2.0	Rel-6	R3	HAKULI, Tuomas	created for M.1457 update
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.4.0	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	6.5.0	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, Sašo	
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	6.8.0	Rel-6	R3	JOLLEY, Vincent	
TS	25.460	UTRAN Iuant interface: General aspects and principles	6.2.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010
TS	25.461	UTRAN Iuant interface: Layer 1	6.2.0	Rel-6	R3	KUNZ, Walter	WI UID = 23010
TS	25.462	UTRAN Iuant interface: Signalling transport	6.2.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	6.2.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010
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	25.804	Feasibility study on uplink enhancements for UTRA TDD	6.0.0	Rel-6	R1	RUDDOLF, Marian	2003-09-04: anticipated approval at RP-23. WI = R/Imp-FSUpEnhTDD. RP-25: estimate approval RP-26.
TR	25.806	UMTS 1700/2100MHz Work Item	6.0.0	Rel-6	R4	NUMMINEN, Jussi	WI = R/Imp-UMTS850 (UID 24007) & R/Imp-UMTS1721 (UID 24010). 2004-01-19: title changed from "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 MARTINEZ, Ana	
TR	25.808	FDD enhanced uplink; Physical layer aspects	6.0.0	Rel-6	R1	RANTA-AHO, Karri	
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	

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TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	6.0.0	Rel-6	R1	BEALE, Martin	2002-10-07: anticipate approval at RP-20. RP-23: anticipate approval RP-25.
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 Downlink Packet Access (HSDPA) enhancements	6.1.0	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	6.1.0	Rel-6	R3	HALL, Edward	WI UID 23011. See also 44.901.
TR	25.921	Guidelines and principles for protocol description and error handling	6.0.0	Rel-6	R2	BARRETO, Luis	
TR	25.922	Radio resource management strategies	6.0.1	Rel-6	R2	HUS, Olivier	
TR	25.931	UTRAN Functions, examples on signalling procedures	6.1.0	Rel-6	R3	CASALINO, Francesco	
TR	25.942	Radio Frequency (RF) system scenarios	6.4.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	6.0.0	Rel-6	R4	SKÖLD, Johan	Rel-6 record created on freezing the Release. December 2004.
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNAJÄKANGAS, Tuomo	RP-19: from Rel-5.
TR	25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis	6.0.0	Rel-6	R4	GARCIA LOPEZ, Lorena	. Rel-6 record created on freezing the Release, December 2004.
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBS) supported by Universal Terrestrial Radio Access (UTRA)	6.9.0	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	26.071	AMR speech Codec; General description	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.073	AMR speech Codec; C-source code	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004.
TS	26.074	AMR speech Codec; Test sequences	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	26.090	AMR speech Codec; Transcoding Functions	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.091	AMR speech Codec; Error concealment of lost frames	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	6.0.0	Rel-6	S4	USAI, Paolino	Transfer>TSG#4 Rel-6 record created on freezing the Release, December 2004.
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	6.0.0	Rel-6	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Lu	6.0.0	Rel-6	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	6.1.0	Rel-6	S4	HELLWIG, Karl	New after TSG#5
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	26.110	Codec for circuit switched multimedia telephony service; General description	6.0.0	Rel-6	S4	ARONSON, Barry	Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	6.1.0	Rel-6	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multimedia services	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	6.0.0	Rel-6	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	6.0.0	Rel-6	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	6.2.0	Rel-6	S4	CASTAGNO, Roberto	
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	6.1.0	Rel-6	S4	HONKO, Harri	WI = "Media Codecs and Formats for IMS Messaging and Presence" UID_32045. 2004-11-04; Timed out of Rel-6; must be Rel-7. SP-26: Reverts to Rel-6, has caught up.
TS	26.171	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004.
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	6.0.0	Rel-6	S4	EKUDDEN, Erik	2001-10-01: added "G" flag. Rel-6 record created on freezing the Release, December 2004.
TS	26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004.
TS	26.177	Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences	6.0.0	Rel-6	S4	PEARCE, David	
TS	26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions	6.0.0	Rel-6	S4	VACANT,	Rel-6 record created on freezing the Release, December 2004.
TS	26.191	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004.
TS	26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects	6.0.0	Rel-6	S4	VACANT,	Rel-6 record created on freezing the Release, December 2004.
TS	26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004.
TS	26.194	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)	6.0.0	Rel-6	S4	VACANT,	Rel-6 record created on freezing the Release, December 2004.
TS	26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure	6.0.0	Rel-6	S4	HAGQVIST, Jari	Rel-6 record created on freezing the Release, December 2004.
TS	26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to lu, Uu and Nb	6.0.0	Rel-6	S4	NAVARRO, William	Rel-6 record created on freezing the Release, December 2004.
TS	26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code	6.0.0	Rel-6	S4	N, A	Rel-6 record created on freezing the Release, December 2004.
TS	26.226	Cellular text telephone modem; General description	6.0.0	Rel-6	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-07-27: database title changed from "Global text telephony (GTT); Transport of text in the voice channel". Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	6.0.0	Rel-6	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-06-27: title in database changed from "Global text telephony (GTT); Cellular text telephone modem transmitter C-code description" to reflect document Rel-6 record created on freezing the Release, December 2004.
TS	26.231	Cellular text telephone modem; Minimum performance requirements	6.0.2	Rel-6	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. Rel-6 record created on freezing the Release, December 2004.
TS	26.233	End-to-end transparent streaming service; General description	6.0.0	Rel-6	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs	6.3.0	Rel-6	S4	FRANCESCHI, Oille	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	6.4.0	Rel-6	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	6.2.0	Rel-6	S4	OJALA, Pasi	
TS	26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	6.1.0	Rel-6	S4	PEARCE, David	WI UID = 34700
TS	26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	6.3.0	Rel-6	S4	FRANCESCHI, Oille	
TS	26.245	Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format	6.1.0	Rel-6	S4	FRANCESCHI, Oille	
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.
TS	26.273	ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec	6.0.0	Rel-6	S4	VAINIO, Janne	2005-02-25: title tweaked to conform with that requested for 26.274 and to match structure for other similar specs. Pre-SP-28: title tweaked back to original, nonconformist, version. :-(
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	6.2.0	Rel-6	S4	VAINIO, Janne	
TS	26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code	6.2.0	Rel-6	S4	VAINIO, Janne	
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	6.0.0	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	6.2.0	Rel-6	S4	KUNZ, Oliver	
TS	26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	6.0.0	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	6.0.0	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	6.0.0	Rel-6	S4	KUNZ, Oliver	
TS	26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part	6.1.0	Rel-6	S4	KUNZ, Oliver	
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	6.2.0	Rel-6	S4	KUNZ, Oliver	
TS	26.411	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code	6.0.0	Rel-6	S4	KUNZ, Oliver	

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TR	26.911	Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide	6.0.0	Rel-6	S4	HAAVISTO, Petri	
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	VARSÁ, Viktor	
TR	26.943	Recognition performance evaluations of codecs for Speech Enabled Services (SES)	6.0.0	Rel-6	S4	PEARCE, David	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	6.0.0	Rel-6	S4	EKUDDEN, Erik	Replaces 26.075, 2001-10-02: Also for GSM. Rel-6 record created on freezing the Release, December 2004.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	6.0.0	Rel-6	S4	VAINIO, Janne	Cf 26.975. Rel-6 record created on freezing the Release, December 2004.
TR	26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase	6.0.0	Rel-6	S4	USAI, Paolino	Replaces 26.078 Rel-6 record created on freezing the Release, December 2004.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	6.0.0	Rel-6	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	6.0.0	Rel-6	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	6.0.0	Rel-6	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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)	6.0.1	Rel-6	C1	HARRIS, Ian	CP-27: Moved to current group on closure of T2; see TP-050062. Rel-6 record created on freezing the Release, December 2004.
TS	27.007	AT command set for User Equipment (UE)	6.8.0	Rel-6	C1	VOTE, Nicola	CP-27: Moved to current group on closure of T2; see TP-050062.
TS	27.010	Terminal Equipment to User Equipment (TE-UJ) multiplexer protocol	6.0.0	Rel-6	C3	RODERMUND, Friedhelm	CP-27: Moved to current group on closure of T2; see TP-050062. Rel-6 record created on freezing the Release, December 2004.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	6.0.0	Rel-6	C3	HAN, Seung Don	GPRSCP-27: change of WG as a result of closure of CN and T.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	6.1.0	Rel-6	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	6.9.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T.
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)	6.1.0	Rel-6	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
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)	6.5.0	Rel-6	C4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)CP-27: change of WG as a result of closure of CN and T.
TS	29.011	Signalling Interworking for Supplementary Services	6.0.0	Rel-6	C4	WIEHE, Ulrich	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	6.0.0	Rel-6	C4	WIEHE, Ulrich	Transfer>TSG#4CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	6.0.0	Rel-6	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	6.2.0	Rel-6	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T.

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TS	29.060	General Packet Radio Service (GPRS); GPRS Tunneling Protocol (GTP) across the Gn and Gp interface	6.8.0	Rel-6	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	6.4.0	Rel-6	C3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". CP-27: change of WG as a result of closure of CN and T.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.4.0	Rel-6	C4	NOLDUS, Rogier	NP-24: xferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T.
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	6.2.0	Rel-6	R3	VESELY, Alexander	TSG#8: Appeared as v2.0.0 (RP-000258)
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	6.2.0	Rel-6	C4	LAITINEN, Lauri	WI = SEC1-SC (UID 14504). NP-24 title changed from "Bootstrapping and subscriber certificates; Diameter protocols; Stage 3" CP-27: change of WG as a result of closure of CN and T.
TS	29.119	GPRS Tunneling Protocol (GTP) specification for Gateway Location Register (GLR)	6.0.0	Rel-6	C4	AIKAWA, Shinichiro	New after TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	6.0.0	Rel-6	C4	MITAMURA, Kazuo	New after TSG#5CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.140	Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3	6.0.0	Rel-6	C4	HABERMANN, Steffen	The MM10 interface is between MMS Relay/Server and MSCF (Messaging Service Control Function) CP-27: Moved to current group on closure of T2: see TP-050062.
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 (PDNs)	6.0.0	Rel-6	C3	RÄSÄNEN, Juha	WI UID = 14013.CP-27: change of WG as a result of closure of CN and T.
TS	29.162	Interworking between the IM CN subsystem and IP networks	6.0.0	Rel-6	C3	HOLLAND, Nigel	CP-27: change of WG as a result of closure of CN and T. Work item moved to Rel-6.
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.6.0	Rel-6	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T. NP-16: For earlier versions: see Rel-5. NP-19: anticipated to come under change control at NP-21.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.4.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	6.4.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	6.4.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
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)	6.4.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.

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TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	6.4.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	6.3.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	6.2.2	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	6.2.2	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	6.1.1	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	6.1.0	Rel-6	C5	BAKKER, John-Luc	SP-25: part 1 title changed from "Overview and common data definitions" - according to rapporteur "to accurately cover its actual contents".CP-27: change of WG as a result of closure of CN and T.
TS	29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	6.0.0	Rel-6	C5	BAKKER, John-Luc	SP-25: part 3 title changed from "Network-initiated third party call" - in fact, it is a totally different spec.CP-27: change of WG as a result of closure of CN and T.
TS	29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	6.2.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	6.2.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: User status	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	6.1.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	6.0.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	6.1.0	Rel-6	C5	BAKKER, John-Luc	CP-27: change of WG as a result of closure of CN and T.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	6.0.0	Rel-6	C4	ANGELO, Ciriaco	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	6.0.0	Rel-6	C4	HEIDERMARK, Alf	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.207	Policy control over Gx interface	6.3.0	Rel-6	C3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". CP-27: change of WG as a result of closure of CN and T.
TS	29.208	End to end Quality of Service (QoS) signalling flows	6.3.0	Rel-6	C3	SILLANPÄÄ, Anna	CP-27: change of WG as a result of closure of CN and T.
TS	29.209	Policy control over Gq interface	6.2.0	Rel-6	C3	SILLANPÄÄ, Anna	CP-27: change of WG as a result of closure of CN and T. NP-26: Expected to be completed by NP-27.
TS	29.210	Charging rule provisioning over Gx interface	6.1.0	Rel-6	C3	RÄSÄNEN, Juha	WI URL = 35017CP-27: change of WG as a result of closure of CN and T.
TS	29.211	Rx Interface and Rx/Gx signalling flows	6.0.0	Rel-6	C3	HUSLENDE, Ragnar	CP-27: change of WG as a result of closure of CN and T.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.6.1	Rel-6	C4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez-CP-27: change of WG as a result of closure of CN and T.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	6.4.0	Rel-6	C4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.CP-27: change of WG as a result of closure of CN and T.
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	6.3.0	Rel-6	C4	TAMMI, Kalle	WI UID = 14014CP-27: change of WG as a result of closure of CN and T.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	6.1.0	Rel-6	C4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.ITCP-27: change of WG as a result of closure of CN and T.
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	6.2.0	Rel-6	C4	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.CP-27: change of WG as a result of closure of CN and T.
TS	29.240	3GPP Generic User Profile (GUP); Stage 3: Network	6.0.0	Rel-6	C4	KAUNTOLA, Seppo	Cf work item "Generic user profile" - may be renumbered to 27.241CP-27: change of WG as a result of closure of CN and T. 2003-03-05: Delayed from Rel-5.
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	6.1.0	Rel-6	C4	REMOQUILLO, Angelica	NP-16 Existence hinted at in N2 report. Draft believed to have been seen at N2. NP-24: txferred to N4 on closure of N2.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.5.0	Rel-6	C4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh.CP-27: change of WG as a result of closure of CN and T.
TS	29.329	Sh interface based on the Diameter protocol	6.4.0	Rel-6	C4	BERRY, Nigel. H	CP-27: change of WG as a result of closure of CN and T.
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mh interface; Stage 3	6.1.0	Rel-6	C4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.CP-27: change of WG as a result of closure of CN and T. Anticipated change control at NP-22.
TS	29.414	Core network Nb data transport and transport signalling	6.0.0	Rel-6	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	29.415	Core network Nb interface user plane protocols	6.0.1	Rel-6	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	6.0.0	Rel-6	C1	HERRERO, Christian	CP-27: change of WG as a result of closure of CN and T.
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	6.0.0	Rel-6	C1	MAYER, Georg	CP-27: change of WG as a result of closure of CN and T.
TR	29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer	6.0.0	Rel-6	C4	YOUNG, Michael	Supersedes 29.203.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004. Post NP-26: Secretary reports that this TR will not be promoted to future Releases.
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	C3	BELLING, Thomas	CP-27: change of WG as a result of closure of CN and T.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	6.0.0	Rel-6	C1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.CP-27: change of WG as a result of closure of CN and T.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.0.4	Rel-6	C5	ABARCA, Chelo	Evidence for existence unearthed in N5-020143.CP-27: change of WG as a result of closure of CN and T.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	C5	ABARCA, Chelo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	6.0.0	Rel-6	C4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.4.1	Rel-6	C6	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.CP-27: change of WG as a result of closure of CN and T. 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	6.9.0	Rel-6	C6	RUBON, Jean-Francois	CP-27: change of WG as a result of closure of CN and T. TP-26: not yet ready to freeze.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.7.0	Rel-6	C6	VESTERGAARD, Peter	2004-05-07:additional rapporteur: Peter Vestergaard.CP-27: change of WG as a result of closure of CN and T.

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TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.5.0	Rel-6	C6	DUBOIS, Christophe	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.CP-27: change of WG as a result of closure of CN and T. TP-26: not yet ready to freeze.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	6.0.0	Rel-6	C6	N, A	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.3.0	Rel-6	C6	N, A	CP-27: change of WG as a result of closure of CN and T.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	6.0.0	Rel-6	C6	MEYER, Michael	CP-27: change of WG as a result of closure of CN and T. TP-15: Enhancements to Rel-5 envisaged.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (USIM) Toolkit applications	6.4.0	Rel-6	C6	MARTIN, Florence	additional rapporteur: Florence Martin.CP-27: change of WG as a result of closure of CN and T. 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 (USIM) Toolkit applications	6.7.0	Rel-6	C6	MARTIN, Florence	additional rapporteur: Florence MartinCP-27: change of WG as a result of closure of CN and T. SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	6.0.0	Rel-6	C6	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCPCP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	31.124	Mobile Equipment (ME) conformance test specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	6.0.0	Rel-6	C6	LAFFONT, Eric	2004-10-12: Not clear which WI this pertains to (TP-030259, TP-000155, TP-010111, ... ?), or which Release, but logically should be R99. WI UID later confirmed as 43009.CP-27: change of WG as a result of closure of CN and T. To contain contents for all prior Releases.
TS	31.130	(USIM) Application Programming Interface (API); (USIM) API for Java Card	6.2.0	Rel-6	C6	JOLIVET, Paul	CP-27: change of WG as a result of closure of CN and T. TP-20: Target for approval: TP-21.
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((USIM) API	6.1.0	Rel-6	C6	RODERMUND, Friedhelm	Test spec is 34.131.CP-27: change of WG as a result of closure of CN and T.
TR	31.900	SIM/USIM internal and external interworking aspects	6.1.0	Rel-6	C6	KALINER, Stefan	CP-27: change of WG as a result of closure of CN and T.
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	6.1.0	Rel-6	C6	ANDRAU, Stéphane	WI UID = 43005.CP-27: change of WG as a result of closure of CN and T.
TS	32.101	Telecommunication management; Principles and high level requirements	6.1.0	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)	6.4.0	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)	6.2.0	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)	6.4.0	Rel-6	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	6.0.0	Rel-6	S5	SCHMIDT, Joerg	

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TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	6.3.0	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	6.2.0	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".
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	6.1.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	6.2.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	6.1.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecommunication management". SP-24: "resources" in title changed to "Network Resource Model (NRM)".
TS	32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	6.1.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecommunication management".
TS	32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); eXtensible Markup Language (XML) definition	6.0.0	Rel-6	S5	ABA, Istvan	SP-26: Expected to be approved SP-27.
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	6.1.0	Rel-6	S5	GOERMER, Gerald	
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	6.1.0	Rel-6	S5	GOERMER, Gerald	
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	6.2.0	Rel-6	S5	GOERMER, Gerald	SP-21: WI = charging management for the bearer level 2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	6.1.0	Rel-6	S5	ALEXANDER, Benni	
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	6.2.0	Rel-6	S5	GOERMER, Gerald	
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	6.0.0	Rel-6	S5	BIBAS, Alain	
TS	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	6.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.296	Telecommunication management; Charging management; Online Charging System (OCS); Applications and interfaces	6.0.0	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047) Original target for approval = SP-21.
TS	32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	6.0.0	Rel-6	S5	GOERMER, Gerald	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain".
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	6.2.0	Rel-6	S5	ALEXANDER, Benni	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description".
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	6.1.0	Rel-6	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)

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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)	6.2.0	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)	6.3.0	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)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	6.1.0	Rel-6	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	6.1.0	Rel-6	S5	TSE, Edwin	was 32.112-2
TS	32.313	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	
TS	32.314	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	SUERBAUM, Clemens	
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP); Information Service (IS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	TSE, Edwin	
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.331	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.332	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS)	6.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.333	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	
TS	32.334	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	SUERBAUM, Clemens	
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements	6.1.0	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	RUI, Lanlan	

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TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	RUI, Lanlan	
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	SUERBAUM, Clemens	
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS)	6.1.0	Rel-6	S5	LI, Yewen	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)	6.2.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	SUERBAUM, Clemens	WI = OAM-NIM (UID 35014)
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	LI, Yewen	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	LI, Yewen	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)	6.3.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.371	Telecommunication management; Security Management concept and requirements	6.1.0	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) SP-25: title changed from "Security Management Integration Reference Point (IRP): Requirements".
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.4.1	Rel-6	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.7.0	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)	6.4.0	Rel-6	S5	RUI, Lanlan	
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.4.0	Rel-6	S5	RUI, Lanlan	
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	6.6.0	Rel-6	S5	KORINEK, Frank	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management	6.2.0	Rel-6	S5	RAO, Mohan	
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	6.1.0	Rel-6	S5	TOCHE, Christian	
TS	32.432	Telecommunication management; Performance measurement; File format definition	6.1.0	Rel-6	S5	RAO, Mohan	2005-03-22: Title changed from "Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)".
TS	32.435	Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	
TS	32.436	Telecommunication management; Performance measurement; Abstract Syntax Notation 1 (ASN.1) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	
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	6.1.1	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)	6.1.0	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)	6.3.1	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)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements	6.1.1	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)	6.2.0	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)	6.2.0	Rel-6	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)	6.1.0	Rel-6	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	6.2.0	Rel-6	S5	TOCHE, Christian	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.620-1

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TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Network Resource Model (NRM)	6.4.0	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)	6.4.0	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)	6.1.0	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	6.4.0	Rel-6	S5	TOCHE, Christian	
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	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)	6.2.0	Rel-6	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 (SS)	6.2.0	Rel-6	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 (SS)	6.1.0	Rel-6	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	6.2.0	Rel-6	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	6.0.1	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)	6.4.0	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)	6.4.0	Rel-6	S5	PIRT, Trevor	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)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.622-4 Rel-6 record created on freezing the Release, December 2004.
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	6.3.0	Rel-6	S5	TOCHE, Christian	

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TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	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)	6.0.1	Rel-6	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)	6.0.0	Rel-6	S5	PIRT, Trevor	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)	6.0.0	Rel-6	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	6.1.0	Rel-6	S5	TOCHE, Christian	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	6.2.1	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)	6.4.0	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)	6.2.0	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)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	PIRT, Trevor	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.675	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.690	Telecommunication management; Inventory Management (IM); Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	

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TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Requirements	6.0.1	Rel-6	S5	PAL, Tapinder	
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Network Resource Model (NRM)	6.0.0	Rel-6	S5	PAL, Tapinder	Rel-6 record created on freezing the Release, December 2004.
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Bulk Configuration Management (CM) eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.711	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.713	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.714	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	WI = OAM-NIM (UID 35014)
TS	32.715	Telecommunication management; Configuration Management (CM) Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	6.1.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	LI, Yewen	
TS	32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	6.0.0	Rel-6	S5	RUI, Lanlan	
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)	6.0.0	Rel-6	S5	RUI, Lanlan	
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)	6.0.0	Rel-6	S5	RUI, Lanlan	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Bulk CM extensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	RUI, Lanlan	
TR	32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)	6.0.0	Rel-6	S5	ISLIP, John	
TR	32.804	Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements	6.1.0	Rel-6	S5	MUDGE, John	WI UID = 35022 (under 23010)
TR	32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	6.0.0	Rel-6	S5	GOERMER, Gerald	
TS	33.102	3G security; Security architecture	6.3.0	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	6.4.0	Rel-6	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.8.2	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	6.1.0	Rel-6	S3	BOMAN, Krister	
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	6.1.0	Rel-6	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent. Rel-6 record created on freezing the Release, December 2004.
TS	33.203	3G security; Access security for IP-based services	6.6.0	Rel-6	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.5.0	Rel-6	S3	KOENI, 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	6.4.0	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	6.2.0	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)	6.3.0	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	6.4.0	Rel-6	S3	LOPEZ SORIA, Luis	
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	6.2.0	Rel-6	S3	ESCOTT, Adrian	SP-22: target for v2.0.0 is SP-23, but this will be challenging.
TS	33.310	Network domain security; Authentication framework (NDS/AF)	6.2.0	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	6.1.0	Rel-6	S3	YAQUIB, Raziq	Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that TR is to be internal, so number changed from 33.917.
TR	33.919	Generic Authentication Architecture (GAA); System description	6.2.0	Rel-6	S3	VAN MOFFAERT, Annelies	WI = SEC1-SC (UID 33002)
TR	33.978	Security aspects of early IMS	6.0.0	Rel-6	S3	HOWARD, Peter	SP-26: created from 33.878.
TS	34.109	Terminal logical test interface; Special conformance testing functions	6.0.0	Rel-6	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8: txftr is delayed. TSG#9: Stable, so txftrd from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	6.0.0	Rel-6	R5	HIGUCHI, Kenji	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	34.124	Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment	6.0.0	Rel-6	R4	SOERENSEN, Ole	T1->R4@TSG#10 Rel-6 record created on freezing the Release, December 2004.
TS	34.131	Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API)	6.0.1	Rel-6	C6	RODERMUND, Friedhelm	Base spec is 31.131.CP-27: change of WG as a result of closure of CN and T.
TR	34.926	Electromagnetic compatibility (EMC): Table of international requirements for mobile terminals and ancillary equipment	6.0.0	Rel-6	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10 Rel-6 record created on freezing the Release, December 2004.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence Rel-6 record created on freezing the Release, December 2004.
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence Rel-6 record created on freezing the Release, December 2004.
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence Rel-6 record created on freezing the Release, December 2004.
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR. Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE Rel-6 record created on freezing the Release, December 2004.
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	6.0.0	Rel-6	S3	WALKER, Michael	ex SAGE Rel-6 record created on freezing the Release, December 2004.
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	6.0.0	Rel-6	S3	WRIGHT, Tim	Rel-6 record created on freezing the Release, December 2004.
TR	41.033	Lawful Interception requirements for GSM	6.0.0	Rel-6	S3	MCKIBBEN, Bernie	Rel-6 record created on freezing the Release, December 2004.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	6.1.0	Rel-6	SP	MEREDITH, John M	
TS	42.033	Lawful Interception; Stage 1	6.0.0	Rel-6	S3	MCKIBBEN, Bernie	Rel-6 record created on freezing the Release, December 2004.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Was 22.043 at Rel99; Rel-6 record created on freezing the Release, December 2004.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	6.0.0	Rel-6	S1	POIRAUD, Patrick	Rel-6 record created on freezing the Release, December 2004.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	
TS	43.005	Technical performance objectives	6.0.0	Rel-6	CP	BOSWARTHICK, David	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.

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TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	6.0.0	Rel-6	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	43.013	Discontinuous Reception (DRX) in the GSM system	6.0.0	Rel-6	G1	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	6.0.0	Rel-6	C6	DIETRICH, Christian	For test spec, see 51.013.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	43.020	Security-related network functions	6.1.0	Rel-6	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.2.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004.
TR	43.030	Radio network planning aspects	6.0.0	Rel-6	G1	TEGTH, Ulf	Rel-6 record created on freezing the Release, December 2004.
TS	43.033	3G security; Lawful Interception; Stage 2	6.0.0	Rel-6	S3	MCKIBBEN, Bernie	Rel-6 record created on freezing the Release, December 2004.
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	6.0.0	Rel-6	C3	HAN, Seung Don	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	43.050	Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
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	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	6.0.0	Rel-6	G1	GIRAUD, Alexis	Rel-6 record created on freezing the Release, December 2004.
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.8.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	6.0.0	Rel-6	S4	MONFORT, Jean-Yves	Rel-6 record created on freezing the Release, December 2004.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	6.4.0	Rel-6	G1	LIVINGSTON, Margaret	
TS	43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	6.5.0	Rel-6	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	6.4.0	Rel-6	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.069	Voice Broadcast service (VBS); Stage 2	6.2.0	Rel-6	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	6.0.0	Rel-6	C4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	6.1.0	Rel-6	G1	HEDBY, Gunnar	WI UID = 51136. 2005-02-04: G2->G1.
TS	43.130	lur-g interface; Stage 2	6.0.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1. Rel-6 record created on freezing the Release, December 2004.
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2	6.2.0	Rel-6	G1	PROVVEDI, Leonardo	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes to existing GERAN protocol specs. 2004-11-08: G2->G1
TS	43.318	Generic access to the A/Gb interface; Stage 2	6.0.0	Rel-6	G1	VIKBERG, Jari	Stage 1 is the common GERAN stage 1: no new requirements, just different access architecture. . .
TR	43.901	Feasibility Study on generic access to A/Gb interface	6.0.0	Rel-6	G1	KUCHIBHOTLA, Ravi	
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	6.0.0	Rel-6	C1	ANDERSEN, Niels Peter Skov	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	6.1.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	6.0.0	Rel-6	G2	ISAACS, Ken	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	44.012	Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	6.0.0	Rel-6	C1	DAWES, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.1.0	Rel-6	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.11.0	Rel-6	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	6.0.0	Rel-6	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.7.0	Rel-6	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	6.0.0	Rel-6	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	6.0.0	Rel-6	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	6.0.0	Rel-6	C1	HUPPERICH, Peter	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
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	6.11.1	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	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	6.0.1	Rel-6	C1	DOIG, Ian	CP-27: change of WG as a result of closure of CN and T.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	6.3.0	Rel-6	C1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only. CP-27: change of WG as a result of closure of CN and T.
TS	44.068	Group Call Control (GCC) Protocol	6.0.0	Rel-6	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T.
TS	44.069	Broadcast Call Control (BCC) protocol	6.0.0	Rel-6	C1	GARAPATY, Sonia	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	6.3.0	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	6.5.0	Rel-6	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2.
TS	44.318	Generic access to the A/Gb interface; Stage 3	6.0.0	Rel-6	G2	VIKBERG, Jari	Stage 2 is 43.318, GP-23: Was originally Rel-7 but stage 2 approved as Rel-6 so this changed too.
TR	44.901	External Network Assisted Cell Change (NACC)	6.0.0	Rel-6	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	6.5.0	Rel-6	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	6.8.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	6.7.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	6.0.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	6.8.0	Rel-6	G1	SAMUELSSON, Mats	Rel-6 record created on freezing the Release, December 2004.
TS	45.008	Radio subsystem link control	6.11.0	Rel-6	G1	EL-SAIGH, Amer	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	45.009	Link adaptation	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	6.4.0	Rel-6	G1	JOKINEN, Harri	
TS	45.015	Release independent Downlink Advanced Receiver Performance (DARF); Implementation guidelines	6.0.0	Rel-6	G1	ESCULIER, Carole	GP-21: GP-041928 contains independent drafts for R99, Rel-4 and Rel-5 (!)
TS	45.022	Radio link management in hierarchical networks	6.0.0	Rel-6	G1	VAN BUSSEL, Han	2005-03: Document type changed from TR to TS, since this doc obviously contains requirements, and Rel-4 / Rel-5 documents already showed themselves to be TSs (despite doc type in database!). Rel-6 record created on freezing the Release, December 2004.
TR	45.050	Background for RF Requirements	6.2.1	Rel-6	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	6.0.0	Rel-6	G1	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
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 One (FLO)	6.8.0	Rel-6	G1	SÉBIRE, Benoist	
TR	45.903	Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks	6.0.1	Rel-6	G1	GRANT, Marc	
TS	46.001	Full rate speech; Processing functions	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	46.002	Half rate speech; Half rate speech processing functions	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.007	Half rate speech; Test sequences for the GSM half rate speech codec	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	6.0.0	Rel-6	S4	SALEM, Tarek	Rel-6 record created on freezing the Release, December 2004.
TS	46.010	Full-rate speech; Transcoding	6.0.0	Rel-6	S4	LORENZ, Dietmar	Rel-6 record created on freezing the Release, December 2004.
TS	46.011	Full rate speech; Substitution and muting of lost frames for full rate speech channels	6.0.0	Rel-6	S4	NAVARRO, William	Rel-6 record created on freezing the Release, December 2004.
TS	46.012	Full rate speech; Comfort noise aspect for full rate speech traffic channels	6.0.0	Rel-6	S4	SERENO, Daniele	Rel-6 record created on freezing the Release, December 2004.
TS	46.020	Half rate speech; Half rate speech transcoding	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.022	Half rate speech; Comfort noise aspects for the half rate speech traffic channels	6.0.0	Rel-6	S4	AFTELAK, Steve	Rel-6 record created on freezing the Release, December 2004.
TS	46.031	Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	46.032	Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels	6.0.0	Rel-6	S4	BARRETT, Paul	Rel-6 record created on freezing the Release, December 2004.
TS	46.041	Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	46.042	Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels	6.0.0	Rel-6	S4	BARRETT, Paul	Rel-6 record created on freezing the Release, December 2004.
TS	46.051	Enhanced Full Rate (EFR) speech processing functions; General description	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TS	46.053	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR) speech codec	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	46.055	Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec	6.0.0	Rel-6	S4	SALEM, Tarek	Rel-6 record created on freezing the Release, December 2004.
TS	46.060	Enhanced Full Rate (EFR) speech transcoding	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TS	46.061	Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	46.081	Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TS	46.082	Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels	6.0.0	Rel-6	S4	JÄRVINEN, Kari	Rel-6 record created on freezing the Release, December 2004.
TR	46.085	Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004.
TS	48.001	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Layer 1 specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.8.0	Rel-6	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	6.0.0	Rel-6	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	6.2.0	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	6.7.0	Rel-6	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	6.0.0	Rel-6	C3	RÄSÄNEN, Juha	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	48.031	Location Services LCS; Serving Mobile Location Centre - Serving Mobile Location Centre (SM-LC - SMLC); SMLC-PP specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; General aspects	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; Interface principles	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; Layer 1 structure of physical circuits	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; Layer 2 specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	6.1.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. Rel-6 record created on freezing the Release, December 2004.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. Rel-6 record created on freezing the Release, December 2004.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	6.7.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	6.0.1	Rel-6	C4	KYMALAINEN, Kimmo	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	6.0.0	Rel-6	C1	FARHOUJMAND, Rouzbeh	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.4.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	6.1.0	Rel-6	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	6.1.0	Rel-6	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)	6.1.0	Rel-6	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-5	Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS)	6.1.0	Rel-6	G3new	HU, Shicheng	Should number really be 31.010-5?
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	6.2.0	Rel-6	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	6.0.0	Rel-6	S5	RONKA, Kari	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	6.0.0	Rel-6	S5	TOCHE, Christian	SP-13: replaces 32.402.
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;	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;	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;	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
		Document 3: Design and conformance test data					

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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#26	Rel	TSG/WG	Editor	Comment
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.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	none	Rel-6	S2	PUDNEY, Chris	Created as a result of 23.895. SP-20: is in fact a Rel-5 doc, so withdrawn. SP-26: Rel-6 reintroduced (unwithdrawn) when Rel-6 frozen.
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. SP-25: this is a place holder for long-term discussion, but may eventually be abandoned.
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.ht ml. SP-26: May turn out to be Rel-7, may be clearer at SP-27. Was briefly 23.964.
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.8.0	Rel-6	S2	LIEBHART, Rainer	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228. SP-26: Estimate approval at SP-28.
TR	23.899	Combining Circuit Switched (CS) bearers with IP Multimedia Subsystem (IMS)	1.1.0	Rel-6	S2	WATSON, Mark	SP-23: WI = SP-040044. SP-25: expected approval at SP-27.
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.
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	0.5.0	Rel-6	C4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile' - may be renumbered to 27.241. NP-24/TP-24: tferred from T2 to N4.CP-27: change of WG as a result of closure of CN and T. 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TS	25.409	Enhanced uplink UTRA FDD; Stage 3	none	Rel-6	R3	STOJANOVSKI, Sašo	2004-08-04: Spec number reserved for eventual spec resulting from 25.909
TR	25.803	S-CCPCH performance for MBMS	1.4.1	Rel-6	R1	MALLADI, Duriga	2003-06-25: anticipate approval at RP-22.
TR	25.805	DS-SSMA introduction in the 800 MHz band	0.3.0	Rel-6	R4	NAKAMURA, Takehiro	WI = R1/Imp-UMTS800 (UID 24009)
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	1.2.0	Rel-6	R2	MIKOLA, Juha	
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	25.898	Power control enhancements for UTRA	0.1.0	Rel-6	R1	MITRA, Diptendu	.
TR	25.902	lub/lur congestion control	none	Rel-6	R3	MCWILLIAMS, Brendan	
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	none	Rel-6	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2. Rel-6 record created on freezing the Release, December 2004.
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	none	Rel-6	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2. Rel-6 record created on freezing the Release, December 2004.
TS	26.274	Speech codec speech processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing	1.0.0	Rel-6	S4	BRUHN, Stefan	.
TS	26.406	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing	1.0.0	Rel-6	S4	KUNZ, Oliver	
TS	26.412	General audio codec audio processing functions; Source code for 3GP file format	1.0.0	Rel-6	S4	SINGER, David	2004-11-26: Rapporteur proposes to have this spec. 2005-02-02: Still no draft available. 2005-02-15: "Enhanced aacPlus general audio codec;" removed from title "as AMR-WB+ also uses the library, and it is of use to people using other codecs also" (rapporteur). SP-26: No draft available.
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	0.0.2	Rel-6	S4	LOHMAR, Thorsten	
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	none	Rel-6	C4	JANSSON, Jari	Work item description in N4-021258.CP-27: change of WG as a result of closure of CN and T.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	C4	SANDERS, David	CP-27: change of WG as a result of closure of CN and T. NP-25: may be delayed to Rel-7.
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	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	none	Rel-6	C6	WILLENBRINK, Udo	based on R99 core spec; split into 2 parts (this is 2)CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	none	Rel-6	C6	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered which 31.120 was split into two partsCP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	31.213	Test Specification for (U)SIM API for Java(TM) Card	none	Rel-6	C6	BEGASSAT, Christophe	WI in TP-040032 at TP-23.CP-27: change of WG as a result of closure of CN and T. TP-25: estimate change control at TP-27.
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	1.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	1.0.0	Rel-6	S5	GOERMER, Gerald	SP-24: this spec is a straw man for shooting down by OMA; it may never reach maturity.
TS	32.273	Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging	1.0.0	Rel-6	S5	NEAL, Adrian	WI to be approved SP-26, code MBMS-CH. Meanwhile, allocate to SuM. SP-26: Correctly allocated to WI "MBMS charging".
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	1.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.335	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	1.0.0	Rel-6	S5	RAYMER, David	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	32.364	Telecommunication Management; Entry Point (EP) Information Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
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	33.201	Access domain security	none	Rel-6	S3	POPE, Maurice	Rel-6 record created on freezing the Release, December 2004.
TR	33.941	Presence service; Security	0.6.0	Rel-6	S3	BOMAN, Krister	
TS	34.108	Common test environments for User Equipment (UE) conformance testing	none	Rel-6	R5	CHALABI, Nouhman	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	none	Rel-6	R5	MAUCKSCH, Thomas	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	none	Rel-6	R5	SULTAN, Alain	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	none	Rel-6	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)	none	Rel-6	R5	HU, Shicheng	CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TS	34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	1.0.0	Rel-6	R5	CATMUR, Richard	CP-27: change of WG as a result of closure of CN and T. Initial intention: for info TP-26, approval TP-28.
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	none	Rel-6	R5	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004.CP-27: change of WG as a result of closure of CN and T. Rel-6 record created on freezing the Release, December 2004.
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	1.3.0	Rel-6	G2	GESSNER, Christina	Work item = SSSStrea.
TR	50.099	GERAN project plan and open issues	0.44.0	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: Rel-5 frozen, so migrated to Rel-6.

D.7 Release 7 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	21.900	Technical Specification Group working methods	7.0.0	Rel-7	SP	MEREDITH, John M	
TS	22.011	Service accessibility	7.1.0	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	7.3.0	Rel-7	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	7.1.0	Rel-7	S1	DEOL, Amar	Transfer>TSG#4

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	7.3.0	Rel-7	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	7.1.0	Rel-7	S1	DEOL, Amar	
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	7.1.0	Rel-7	S1	CATALDO, Mark	2004-09-30: "IMS" added to title in database for ease of searching.
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	7.1.0	Rel-7	S1	BOOTE, Michael	2003-10-31: Spec number formally allocated
TS	22.978	All-IP network (AIPN) feasibility study	7.0.0	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	7.0.0	Rel-7	S1	FRANK, Robert	WI = SP-040305. SP-25: owner is XIX pronounced "nineteen" (aka CSICS = Circuit Switched IMS Combinational Service) subgroup of S1.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	7.1.0	Rel-7	C1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC review of R98 features.CP-27: change of WG as a result of closure of CN and T.
TS	23.271	Functional stage 2 description of Location Services (LCS)	7.0.0	Rel-7	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards..
TR	23.898	Access Class Barring and Overload Protection (ACBOP)	7.0.0	Rel-7	S2	DAVIDIAN, Jean-Jacques	SP-23: WI = SP-040042. SP-25: approval expected SP-26 or SP-27. SP-26: may be speeded up and finished in time for Rel-6. Watch this space.
TS	31.102	Characteristics of the USIM application	7.0.0	Rel-7	C6	RUBON, Jean-Francois	CP-27: change of WG as a result of closure of CN and T..
TS	31.130	(U)SIM Application Programming Interface (API); (U)SIM API for Java Card	7.0.0	Rel-7	C6	JOLIVET, Paul	CP-27: change of WG as a result of closure of CN and T..
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	7.0.0	Rel-7	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de)..
TS	42.068	Voice Group Call Service (VGCS); Stage 1	7.2.0	Rel-7	S1	CLAYTON, Michael	

D.8 Other 3GPP Specifications and reports to be allocated to (or identified for) Release 7 (TBC)

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	22.258	All-IP network (AIPN); Stage 1	none	Rel-7	S1	SACHNO, Chris	Stage 2 = 23.258.
TS	22.279	Combining CS and IMS services; Stage 1	none	Rel-7	S1	WATSON, Mark	Stage 2 is in 23.279.
TR	22.811	Study of network selection principles	none	Rel-7	S1	FRIEL, Chris	.
TR	22.903	Study on Videotelephony teleservic	none	Rel-7	S1	ACHTER, Johannes	.
TR	22.935	Feasibility study on Location Services (LCS) for Wireles Local Area Network (WLAN) interworking	1.0.0	Rel-7	S1	LOUSHINE, Mike	Post SP-25: WID = SP-040309; second named rapporteur = Vijay Varma.
TR	22.936	Behaviour of multi-system terminals	0.3.0	Rel-7	S1	WILLIAMS, David Hugh	WI = SP-040306, later SP-040513.
TS	22.953	Multimedia priority service feasibility study	0.3.0	Rel-7	S1	GARRAHAN, James	
TS	23.258	reserved for: All-IP network (AIPN); Stage 3	none	Rel-7	S2	SACHNO, Chris	Stage 1 = 22.258.
TS	23.279	Combining CS and IMS services; Stage 2	1.0.0	Rel-7	S2	HU, Yun Chao	Stage 1 is in 22.279. 2005-03-24: WG changed from S1 (typo)..
TR	23.802	Architectural enhancements for end-to-end Quality of Service (QoS)	0.4.0	Rel-7	S2	JAKSA, Robert	SP-24: WI = SP-040326 SP-26: Estimate approval at SP-28. Pre-SP-27: Estimate approval at SP-30.
TR	23.803	Evolution of policy control and charging	0.3.1	Rel-7	S2	BERTENYI, Balazs	SP-25: WI in SP-040533
TR	23.804	Support of SMS and MMS over generic 3GPP IP access	1.0.0	Rel-7	S2	ZHANG, Wenlin	Successor to 23.904; SP-25: WI in SP-040688

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TR	23.882	System architecture evolution	none	Rel-7	S2	PUDNEY, Chris	
TR	24.819	Protocol impact from providing IMS services via fixed broadband; Stage-3	0.0.0	Rel-7	C1	LEIS, Peter	CP-27: change of WG as a result of closure of CN and T. .
TR	25.809	7.68Mcps TDD option: physical layer	none	Rel-7	R1	BEALE, Martin	
TR	25.810	UMTS 2.6 GHz (FDD)	0.0.2	Rel-7	R4	SÄYÑÄJÄKANGAS, Tuomo	
TR	25.876	Multiple Input Multiple Output (MIMO) antennae in UTRA	none	Rel-7	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title Timed out of Rel-6.
TR	25.912	Feasibility study for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN)	0.0.0	Rel-7	RP	NAKAMURA, Takehiro	RP-26: WID in RP-040461. Assistant rapporteur: Don Zelmer. Requirements in 25.812. .
TR	25.913	Requirements for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN)	none	Rel-7	RP	NAKAMURA, Takehiro	RP-26: WID in RP-040461. Assistant rapporteur: Don Zelmer. FS in 25.912. Post-RP-27: converted to xx.9xx series TR for increased visibility. Initial draft filed under 25.812.
TS	32.173	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-7	S5	ABA, Istvan	
TS	32.431	Telecommunication management; Performance measurement collection Integration Reference Point (IRP); Requirements	none	Rel-7	S5	TOCHE, Christian	
TS	32.433	Telecommunication management; Performance measurement collection Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	none	Rel-7	S5	TOCHE, Christian	
TS	32.434	Telecommunication management; Performance measurement collection Integration Reference Point (IRP); Abstract Syntax Notation 1 (ASN.1) file format definition	none	Rel-7	S5	TOCHE, Christian	
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Requirements	none	Rel-7	S5	PAL, Tapinder	
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)	none	Rel-7	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-7	S5	PAL, Tapinder	
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-7	S5	PAL, Tapinder	
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-7	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-7	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-7	S5	RAO, Mohan	

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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-7	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); eXensible Markup Language (XML) file format definition	none	Rel-7	S5	RAO, Mohan	
TR	32.805	Telecommunication management; Process guide; Backward compatibility recommendations	6.0.0	Rel-7	S5	TSE, Edwin	
TS	43.318	Generic access to the A/Gb interface; Stage 2	2.0.0	Rel-7	G1	VIKBERG, Jari	Stage 1 is the common GERAN stage 1: no new requirements, just different access architecture.
TR	43.935	Feasibility study of enhanced support for video telephony service over GERAN via the A interface	0.2.0	Rel-7	G1	ERIKSSON, Stefan	
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 #27

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050055	21.905	0060	-	5.8.0	Rel-5	Introduction of RAN Information Management	approved	F	5.9.0	TEI5
SP-050055	21.905	0061	-	6.7.0	Rel-6	Introduction of RAN Information Management	approved	A	6.8.0	TEI5
SP-050063	22.011	0066	-	7.0.0	Rel-7	Addition of "Network Control of UE Capabilities"	approved	B	7.1.0	Network Protection
SP-050063	22.011	0067	-	7.0.0	Rel-7	Reinstate CR016 for GPRS Terminal PLMN Reselection	approved	B	7.1.0	TEI4
SP-050057	22.038	0026	-	6.3.0	Rel-6	References corrections	approved	F	6.4.0	TEI6
SP-050057	22.038	0027	-	7.2.0	Rel-7	References corrections	approved	A	7.3.0	TEI7
SP-050056	22.078	0179	-	5.14.0	Rel-5	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	F	5.15.0	CAMEL4
SP-050056	22.078	0180	-	6.6.0	Rel-6	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	A	6.7.0	CAMEL4
SP-050056	22.078	0181	-	7.2.0	Rel-7	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	A	7.3.0	CAMEL4
SP-050064	22.078	0182	1	7.2.0	Rel-7	Support for CAMEL Trunk Originated Trigger Detection Points	approved	B	7.3.0	TTCAMEL
SP-050185	22.078	0183	-	6.6.0	Rel-6	Support of User-to-User Information in CAMEL	approved	F	6.7.0	TEI6
SP-050185	22.078	0184	-	7.2.0	Rel-7	Support of User-to-User Information in CAMEL	approved	A	7.3.0	TEI7
SP-050058	22.101	0157	-	6.8.0	Rel-6	Clean-up in Core Network Operator Name Indication section (22.101)	approved	F	6.9.0	NTShar
SP-050058	22.101	0158	-	7.0.0	Rel-7	Clean-up in Core Network Operator Name Indication section (22.101)	approved	A	7.1.0	NTShar
SP-050059	22.101	0159	-	6.8.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.9.0	TEI6
SP-050059	22.101	0160	-	7.0.0	Rel-7	Removal of Reference to TS 22.121	approved	A	7.1.0	TEI7
SP-050059	22.105	0043	-	6.2.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.3.0	TEI6
SP-050059	22.127	0075	-	6.7.0	Rel-6	Removal of References to TS 22.121	approved	F	6.8.0	TEI6
SP-050065	22.127	0076	-	6.7.0	Rel-7	Add requirement for OSA Service Broker	rejected	B	OSA4	
SP-050059	22.140	0047	-	6.6.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.7.0	TEI6
SP-050059	22.141	0019	-	6.3.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.4.0	TEI
SP-050059	22.228	0027	-	6.7.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.8.0	TEI6
SP-050060	22.228	0028	-	6.7.0	Rel-6	Tel-URI related reference update	approved	F	6.8.0	IMS2
SP-050060	22.228	0029	-	7.0.0	Rel-7	Tel-URI related reference update	approved	A	7.1.0	IMS2
SP-050059	22.228	0030	-	7.0.0	Rel-7	Removal of Reference to TS 22.121	approved	A	7.1.0	TEI7
SP-050066	22.234	0011	-	7.0.0	Rel-7	Over-the-air update of I-WLAN operator lists	approved	C	7.1.0	WLAN-SC
SP-050066	22.234	0012	-	7.0.0	Rel-7	Editorial change and addition of missed abbreviation	approved	F	7.1.0	WLAN-SC
SP-050061	22.234	0013	-	6.2.0	Rel-6	Explicit wording of requirements for access to 3GPP PS services	rejected	F	WLAN-CR	
SP-050061	22.234	0014	-	7.0.0	Rel-7	Requirements for Support of 3GPP PS services	approved	A	7.1.0	WLAN-CR
SP-050062	22.340	0002	-	6.1.0	Rel-6	Removal of Deferred Messaging Requirements	approved	F	6.2.0	IMSM-TS
SP-050067	42.068	0008	1	7.1.0	Rel-7	Sending an SMS to a Group	revised	B	EGCS	
SP-050174	42.068	0008	2	7.1.0	Rel-7	Sending an SMS to a Group	approved	B	7.2.0	EGCS

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050104	23.002	0148	2	6.6.0	Rel-6	Inclusion of WLAN functionality in HSS description	approved	F	6.7.0	WLAN
SP-050104	23.002	0153	-	6.6.0	Rel-6	Generalising Subscriber Location Function (SLF) to support WLAN and Removal of WLAN charging reference points and functional entities	approved	F	6.7.0	WLAN
SP-050105	23.060	0519	1	6.7.0	Rel-6	Update of IETF related references	approved	F	6.8.0	TEI6
SP-050105	23.060	0522	2	6.7.0	Rel-6	Redirection in network sharing	approved	F	6.8.0	NTShar
SP-050105	23.060	0523	2	5.9.0	Rel-5	RIM-NACC clean up	approved	F	5.10.0	TEI6
SP-050105	23.060	0524	2	6.7.0	Rel-6	RIM-NACC clean up	approved	F	6.8.0	TEI6
SP-050105	23.060	0525	1	5.9.0	Rel-5	Correction of Packet Flow ID Allocation	revised	F	TEI6	TEI6
SP-050176	23.060	0525	2	5.9.0	Rel-5	Correction of Packet Flow ID Allocation	approved	F	5.10.0	TEI6
SP-050105	23.060	0526	1	6.7.0	Rel-6	Correction of Packet Flow ID Allocation	revised	A	TEI6	TEI6
SP-050176	23.060	0526	2	6.7.0	Rel-6	Correction of Packet Flow ID Allocation	approved	A	6.8.0	TEI6
SP-050106	23.125	0110	2	6.3.0	Rel-6	Application Function Record information	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0112	3	6.3.0	Rel-6	FBC flows for bearer event reporting	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0113	2	6.3.0	Rel-6	Update of Annex B.4	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0115	1	6.3.0	Rel-6	Updates to service data flow identification	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0117	2	6.3.0	Rel-6	FBC and MBMS and collection of statistics	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0118	2	6.3.0	Rel-6	Removal of the Ry reference point	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0119	2	6.3.0	Rel-6	Editorial and readability amendments	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0122	1	6.3.0	Rel-6	Introduction of predefined handling in TPF	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0123	2	6.3.0	Rel-6	Clarification on the handling of the CRF to the input from the AF	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0124	-	6.3.0	Rel-6	Indication of Charging Unit y	approved	F	6.4.0	CH-FBC
SP-050106	23.125	0125	-	6.3.0	Rel-6	FBC and MBMS and changes to requirements on contacting CRF	approved	F	6.4.0	CH-FBC
SP-050107	23.228	0473	3	6.8.0	Rel-6	Corrections to the Network initiated Application de-registration	approved	F	6.9.0	IMS2
SP-050107	23.228	0474	2	6.8.0	Rel-6	Correction to the Refer operation	approved	F	6.9.0	IMS2
SP-050107	23.228	0475	1	6.8.0	Rel-6	Editorial corrections in the identity procedures	approved	F	6.9.0	IMS2
SP-050107	23.228	0478	-	6.8.0	Rel-6	Corrections for errors introduced in 23.228 reorganization	approved	F	6.9.0	IMS2
SP-050107	23.228	0479	1	6.8.0	Rel-6	Corrections to flow for codec change	approved	F	6.9.0	IMS2
SP-050107	23.228	0481	1	6.8.0	Rel-6	Update of reference to TEL URI RFC 3966	approved	F	6.9.0	IMS2
SP-050107	23.228	0482	1	6.8.0	Rel-6	SBLP interactions correction	approved	F	6.9.0	QoS1
SP-050108	23.234	0116	1	6.3.0	Rel-6	Removal of Obsolete Annexes	approved	F	6.4.0	WLAN
SP-050108	23.234	0117	1	6.3.0	Rel-6	Charging in WAG	approved	F	6.4.0	WLAN
SP-050108	23.234	0118	1	6.3.0	Rel-6	Correction of Requirements for 3GPP PS based services	approved	F	6.4.0	WLAN
SP-050108	23.234	0120	-	6.3.0	Rel-6	Parameter storage for I-WLAN	approved	F	6.4.0	WLAN
SP-050108	23.234	0121	2	6.3.0	Rel-6	Add the functionality of subscriber profile updating description	approved	F	6.4.0	WLAN
SP-050109	23.240	0026	-	6.6.0	Rel-6	Use of Discovery Service as Trusted Authority	approved	F	6.7.0	GUP
SP-050110	23.246	0138	1	6.5.0	Rel-6	Alignment of BM-SC subfunctions to MBMS User Service level (SA4 & SA3)	approved	F	6.6.0	MBMS
SP-050110	23.246	0139	1	6.5.0	Rel-6	MBMS and the use of FBC	approved	F	6.6.0	MBMS
SP-050110	23.246	0140	1	6.5.0	Rel-6	Corrections to MBMS Multicast Service Deactivation Procedure	approved	F	6.6.0	MBMS
SP-050110	23.246	0141	-	6.5.0	Rel-6	Providing the BM-SC with approximate UE location information at MBMS context activation	approved	F	6.6.0	MBMS
SP-050111	23.251	0011	1	6.2.0	Rel-6	Correction of references	approved	F	6.3.0	NTShar
SP-050112	23.271	0296	5	6.10.0	Rel-7	Velocity Request and Reporting	approved	B	7.0.0	LCS-R7
SP-050112	23.271	0297	2	6.10.0	Rel-6	Clarification of LDR reference number	approved	F	6.11.0	LCS2
SP-050112	23.271	0298	1	6.10.0	Rel-6	Correction in Location Report Procedure	approved	F	6.11.0	LCS2
SP-050113	23.903	0001	-	6.0.0	Rel-6	Incorrect sequence of events in 4..3.1.1	approved	F	6.1.0	CSVV
SP-050114	23.979	0001	2	6.0.0	Rel-6	Impact on Charging Correlation	revised	B	POC	POC

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SP-050160	23.979	0001	3	6.0.0	Rel-6	Impact on Charging Correlation	approved	F	6.1.0	POC
SP-050114	23.979	0002	1	6.0.0	Rel-6	QoS of pre-established PDP context	withdrawn	F		PoC
SP-050160	23.979	0002	1	6.0.0	Rel-6	QoS of pre-established PDP context	approved	F	6.1.0	POC
SP-050114	23.979	0003	1	6.0.0	Rel-6	Alignment of 23.979 with OMA architecture	withdrawn	F		POC
SP-050160	23.979	0003	1	6.0.0	Rel-6	Alignment of 23.979 with OMA architecture	approved	F	6.1.0	POC
SP-050115	23.981	0005	1	6.2.0	Rel-6	P-CSCF discovery	approved	F	6.3.0	IPV4IMS

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050125	33.108	0069	-	6.8.2	Rel-7	Aligning comments in National-HI3-ASN1 parameters with comments in National-HI2-ASN1 parameters	approved	D	7.0.0	SEC1-LI
SP-050138	33.200	0024	-	6.0.0	Rel-6	Correct specification of addresses used in TCAP-Handshake	approved	F	6.1.0	SEC1-MAP
SP-050138	33.200	0025	1	6.0.0	Rel-6	Addition of TCAP-Handshake for MO-ForwardSM	approved	C	6.1.0	SEC1-MAP
SP-050138	33.200	0026	1	6.0.0	Rel-6	Improving the robustness of the TCAP handshake mechanism	approved	F	6.1.0	SEC1-MAP
SP-050137	33.203	0077	3	6.5.0	Rel-6	Addition of reference to early IMS security TR	approved	F	6.6.0	IMS-EARLY
SP-050139	33.220	0045	2	6.3.0	Rel-6	Key derivation function: character encoding	approved	C	6.4.0	SEC1-SC
SP-050139	33.220	0047	1	6.3.0	Rel-6	Bootstrapping timestamp	approved	C	6.4.0	SEC1-SC
SP-050139	33.220	0048	-	6.3.0	Rel-6	Storage of B-TID in GBA_U NAF Derivation procedure	approved	F	6.4.0	SEC1-SC
SP-050141	33.222	0015	3	6.2.0	Rel-6	Keeping PSK TLS in 3GPP Rel-6	approved	F	6.3.0	SEC1-SC
SP-050141	33.222	0016	1	6.2.0	Rel-6	Clarification to TS 33.222	approved	F	6.3.0	SEC1-SC
SP-050141	33.222	0017	2	6.2.0	Rel-6	Clarify the GBA requirements for https supporting applications at Ua reference point	revised	F		GBA-SSC
SP-050166	33.222	0017	3	6.2.0	Rel-6	Clarify the GBA requirements for https supporting applications at Ua reference point	approved	F	6.3.0	GBA-SSC
SP-050142	33.234	0051	-	6.3.0	Rel-6	Wu Reference Point Description	approved	F	6.4.0	WLAN
SP-050142	33.234	0052	1	6.3.0	Rel-6	Replacing PDGW with PDG	approved	F	6.4.0	WLAN
SP-050142	33.234	0055	1	6.3.0	Rel-6	Clarification on EAP-AKA(SIM) description in 3GPP IP access authentication and authorization	approved	F	6.4.0	WLAN
SP-050142	33.234	0056	2	6.3.0	Rel-6	Threat of users accessing each other in link layer and corresponding security requirements of user traffic segregation	approved	F	6.4.0	WLAN
SP-050142	33.234	0057	1	6.3.0	Rel-6	Clarifying the status that can't be changed in the security requirement of WLAN-UE split	approved	F	6.4.0	WLAN
SP-050142	33.234	0058	2	6.3.0	Rel-6	WLAN AN providing protection against IP address spoofing	approved	F	6.4.0	WLAN
SP-050142	33.234	0059	1	6.3.0	Rel-6	Clarification on the handling of simultaneous sessions	approved	F	6.4.0	WLAN
SP-050142	33.234	0060	2	6.3.0	Rel-6	Removal of editors' notes	approved	F	6.4.0	WLAN
SP-050142	33.234	0061	1	6.3.0	Rel-6	Detecting the start of a WLAN Direct IP Access session based on WaWd Accounting Messages	approved	F	6.4.0	WLAN
SP-050142	33.234	0063	1	6.3.0	Rel-6	Using OCS-P to Check Validity of PDG Certificate in 3GPP IP Access	approved	F	6.4.0	WLAN
SP-050143	33.246	0034	2	6.1.0	Rel-6	Storing SP payload after MSK message is verified	approved	C	6.2.0	MBMS
SP-050143	33.246	0035	1	6.1.0	Rel-6	ME based MBMS key derivation for ME based MBMS key management	approved	C	6.2.0	MBMS
SP-050143	33.246	0037	1	6.1.0	Rel-6	Correct the MSK verification message handling	approved	F	6.2.0	MBMS
SP-050143	33.246	0038	2	6.1.0	Rel-6	Clarify MUK key synchronisation for MSK push procedure	approved	C	6.2.0	MBMS
SP-050143	33.246	0039	-	6.1.0	Rel-6	Add missing parts of CR33 (SA.3#36)	approved	F	6.2.0	MBMS
SP-050143	33.246	0042	-	6.1.0	Rel-6	Annex D1: correction of the description of the GBA run	approved	F	6.2.0	MBMS
SP-050143	33.246	0043	1	6.1.0	Rel-6	Alignment according to MIKEY related IETF work	approved	C	6.2.0	MBMS
SP-050143	33.246	0044	1	6.1.0	Rel-6	Clarification of HTTP procedures	approved	C	6.2.0	MBMS
SP-050143	33.246	0045	1	6.1.0	Rel-6	Usage of security policy payload	approved	C	6.2.0	MBMS
SP-050143	33.246	0047	1	6.1.0	Rel-6	Clarification of MSK and MTK procedures	approved	C	6.2.0	MBMS

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SP-050143	33.246	0049	2	6.1.0	Rel-6	MGV-F functionality related to MTK-ID upper limit	approved	C	6.2.0	MBMS
SP-050143	33.246	0051	1	6.1.0	Rel-6	Using the term "MBMS User Service" instead of "multicast"	approved	D	6.2.0	MBMS
SP-050143	33.246	0052	1	6.1.0	Rel-6	Introduction of BM-SC subfunctions	approved	D	6.2.0	MBMS
SP-050143	33.246	0053	-	6.1.0	Rel-6	Removing IDI from MTK message	approved	C	6.2.0	MBMS
SP-050143	33.246	0054	2	6.1.0	Rel-6	MBMS download protection details	approved	C	6.2.0	MBMS
SP-050143	33.246	0055	1	6.1.0	Rel-6	Removal of editors' notes	approved	F	6.2.0	MBMS
SP-050143	33.246	0056	-	6.1.0	Rel-6	Protection of MBMS Service Announcement sent over MBMS bearer	approved	C	6.2.0	MBMS
SP-050143	33.246	0057	-	6.1.0	Rel-6	Introduction of missing abbreviation, Symbols and definitions	approved	D	6.2.0	MBMS
SP-050140	33.919	0003	-	6.1.0	Rel-6	Correct the "Application guidelines to use GAA"	approved	F	6.2.0	GAA

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050092	26.140	0011	1	6.1.0	Rel-6	Introduction of PIM and DRM	revised	C		MMS6-Codec
SP-050175	26.140	0011	2	6.1.0	Rel-6	Introduction of PIM and DRM in 26.140	approved	C	6.2.0	MMS6-Codec
SP-050098	26.141	0001	1	6.0.0	Rel-6	Editorial correction on missing IMS Presence UA text	approved	F	6.1.0	PRESNC-COFIMP
SP-050093	26.234	0081	-	6.2.0	Rel-6	Correction to 26.234 NADU "NUN" field regarding MPEG4 Video	approved	F	6.3.0	PSSrel6-Stage3
SP-050093	26.234	0082	-	5.6.0	Rel-5	Correction of RDF schema for UAPProf	approved	F	5.7.0	PSS-E
SP-050093	26.234	0083	-	6.2.0	Rel-6	Correction of RDF schema for UAPProf	approved	A	6.3.0	PSS-E
SP-050093	26.234	0084	-	6.2.0	Rel-6	Correction of syntax and references	approved	F	6.3.0	PSSrel6-Stage3
SP-050097	26.235	0012	1	6.3.0	Rel-6	Correction of inconsistency regarding the maximum number of speech frames per RTP packets for PoC	approved	F	6.4.0	PoC
SP-050099	26.235	0013	1	6.3.0	Rel-6	Correction of reference	approved	F	6.4.0	TEI6
SP-050099	26.236	0014	1	5.5.0	Rel-5	Introduction of AMR SDP parameters	approved	F	5.6.0	AMRWB-IWG
SP-050099	26.236	0015	1	6.1.0	Rel-6	Introduction of AMR SDP parameters	approved	A	6.2.0	AMRWB-IWG
SP-050094	26.244	0008	1	6.2.0	Rel-6	Extended presentations in 3GP files for MBMS	approved	B	6.3.0	PSSrel6-Stage3
SP-050096	26.290	0005	1	6.1.0	Rel-6	Update for TCX coding mode selection table	approved	F	6.2.0	AMR-WB+
SP-050096	26.304	0019	1	6.1.0	Rel-6	AMR-WB/AMR-WB+ switching	approved	F	6.2.0	AMR-WB+
SP-050096	26.304	0020	2	6.1.0	Rel-6	Cleanup of unused C-code functions	approved	F	6.2.0	AMR-WB+
SP-050096	26.304	0021	1	6.1.0	Rel-6	Correction of misbehaviour of constrained cholesey	approved	F	6.2.0	AMRWB+
SP-050096	26.304	0022	1	6.1.0	Rel-6	Source code bit exact editorial changes	approved	F	6.2.0	AMRWB+
SP-050096	26.304	0023	2	6.1.0	Rel-6	Correction of last frame processing	approved	F	6.2.0	AMRWB+
SP-050096	26.304	0024	1	6.1.0	Rel-6	Correction of frame erasure concealment	approved	F	6.2.0	AMRWB+
SP-050096	26.304	0025	1	6.1.0	Rel-6	Correction of references and terminology	approved	F	6.2.0	AMRWB+
SP-050095	26.401	0002	1	6.1.0	Rel-6	Correction to written specification: add missing reference to MPEG corrigendum	approved	F	6.2.0	PSSrel6
SP-050095	26.405	0001	1	6.0.0	Rel-6	Correction to written specification: wrong formula on ICC parameter extraction	approved	F	6.1.0	PSSrel6
SP-050095	26.410	0014	1	6.1.1	Rel-6	Correction to C-code: 3GPP file format wrong writing of brand	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0015	1	6.1.1	Rel-6	Correction to C-code: remove copyright notice from 3GPP file format header files	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0016	1	6.1.1	Rel-6	Correction to C-code: add capability for 10 kbit/s, mono encoding	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0017	1	6.1.1	Rel-6	Correction to C-code: add capability for data stream element parsing	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0018	1	6.1.1	Rel-6	Correction to C-code: PNS decoding algorithm not conform to MPEG	approved	F	6.2.0	PSSrel6

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SP-050095	26.410	0019	1	6.1.1	Rel-6	Correction to C-code: the decoder mono only compile target not working correctly	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0020	1	6.1.1	Rel-6	Correction to C-code: PS-decoding with varying upper frequency border not working correctly	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0021	1	6.1.1	Rel-6	Correction to C-code: PS-decoding with variable framing not working correctly	approved	F	6.2.0	PSSrel6
SP-050095	26.410	0022	-	6.1.1	Rel-6	Correction to written specification: move WMOPS numbers to informative Annex	approved	F	6.2.0	PSSrel6

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050021	32.111-2	0038	-	3.3.0	R99	Inclusion of additional event types for duplicate probable causes	approved	F	3.4.0	OAM-NIM
SP-050021	32.111-2	0039	-	4.7.0	Rel-4	Inclusion of additional event types for duplicate probable causes	approved	A	4.8.0	OAM-NIM
SP-050021	32.111-2	0040	-	5.5.0	Rel-5	Inclusion of additional event types for duplicate probable causes	approved	A	5.6.0	OAM-NIM
SP-050021	32.111-2	0041	-	6.3.0	Rel-6	Inclusion of additional event types for duplicate probable causes	approved	A	6.4.0	OAM-NIM
SP-050021	32.111-2	0042	-	6.3.0	Rel-6	Add vendorSpecificAlarmType attribute in alarm information table and notifyNewAlarm	approved	C	6.4.0	OAM-NIM
SP-050021	32.111-3	0038	-	6.1.0	Rel-6	IDL. in compliant to the style guide	approved	F	6.2.0	OAM-NIM
SP-050021	32.111-3	0039	-	6.1.0	Rel-6	Alarm notifyAckStateChanged parameters mapping table with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM
SP-050021	32.111-3	0040	-	6.1.0	Rel-6	Add vendor specific AlarmType attribute in alarm IRP CORBA Solution Set - Align with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM
SP-050021	32.111-3	0041	-	6.1.0	Rel-6	Add definitions in IDLs - Align with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM
SP-050021	32.111-3	0042	-	5.5.1	Rel-5	Update the IS-SS relationship in the Alarm IRP CORBA SS	approved	F	5.6.0	OAM-NIM
SP-050021	32.111-3	0043	-	6.1.0	Rel-6	Update the IS-SS relationship in the Alarm IRP CORBA SS	approved	F	6.2.0	OAM-NIM
SP-050021	32.111-4	0030	-	5.8.0	Rel-5	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	approved	F	5.9.0	OAM-NIM
SP-050021	32.111-4	0031	-	6.3.0	Rel-6	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	approved	A	6.4.0	OAM-NIM
SP-050023	32.151	0001	-	6.0.0	Rel-6	Address 3GPP2 Liaison point 8 from tdoc S5-048704 to have a common notifications section	approved	C	6.1.0	OAM-NIM
SP-050023	32.152	0002	-	6.1.0	Rel-6	Add "abstract" adornment	approved	F	6.2.0	OAM-NIM
SP-050024	32.172	0001	-	6.0.0	Rel-6	Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM
SP-050024	32.172	0002	-	6.0.0	Rel-6	Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM
SP-050024	32.172	0003	-	6.0.0	Rel-6	Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM
SP-050026	32.200	0029	-	5.7.0	Rel-5	Correction of Inter Operator Identification (IOI) Storage – Align with CN4's TS 24.229 (IP multimedia call control protocol based on SIP and Session Description Protocol (SDP); Stage 3)	approved	F	5.8.0	OAM-CH
SP-050026	32.205	0028	-	4.7.0	Rel-4	Correction to ASN.1 for data services	approved	F	4.8.0	OAM-CH
SP-050026	32.205	0029	-	5.8.0	Rel-5	Correction to ASN.1 for data services	approved	A	5.9.0	OAM-CH
SP-050027	32.215	0037	-	5.7.0	Rel-5	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	approved	F	5.8.0	OAM-CH
SP-050030	32.225	0032	-	5.7.0	Rel-5	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	F	5.8.0	OAM-CH
SP-050030	32.225	0033	-	5.7.0	Rel-5	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs – Align with SA2's TS 23.228	approved	F	5.8.0	OAM-CH
SP-050029	32.240	0001	-	6.0.0	Rel-6	Correction of editorial errors and misalignments	approved	F	6.1.0	CH
SP-050029	32.240	0002	-	6.0.0	Rel-6	Error corrections & clarifications	approved	F	6.1.0	CH
SP-050029	32.240	0003	-	6.0.0	Rel-6	Correction of Credit Pooling for online charging	approved	F	6.1.0	CH
SP-050029	32.240	0004	-	6.0.0	Rel-6	Correction of the concept of Termination action	approved	B	6.1.0	CH

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SP-050027	32.251	0003	-	6.1.0	Rel-6	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	approved	A	6.2.0	OAM-CH
SP-050027	32.251	0004	-	6.1.0	Rel-6	Correction of online charging terminology	approved	F	6.2.0	CH
SP-050027	32.251	0005	-	6.1.0	Rel-6	Correct support of Termination action	approved	F	6.2.0	CH
SP-050027	32.251	0006	-	6.1.0	Rel-6	Addition of online charging CCR triggers – Align with TS 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	approved	F	6.2.0	CH
SP-050027	32.251	0007	-	6.1.0	Rel-6	Correct FBC Service Data Flow (SDF) determination with charging rules to align with SA2's TS 23.125 and CN3's TS 29.210	approved	F	6.2.0	CH
SP-050027	32.251	0008	-	6.1.0	Rel-6	Correction of Service Data Flow (SDF) specific usage duration in flow based charging	approved	F	6.2.0	CH
SP-050027	32.251	0009	-	6.1.0	Rel-6	Correction of the description of Charging Key – Align with SA2's TS 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	approved	F	6.2.0	CH
SP-050030	32.260	0001	-	6.0.0	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	A	6.1.0	OAM-CH
SP-050030	32.260	0002	-	6.0.0	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs - Align with SA2's TS 23.228	approved	A	6.1.0	OAM-CH
SP-050030	32.260	0003	-	6.0.0	Rel-6	Correction of table 5.1: "addition of reporting of 2xx/3xx events"	approved	F	6.1.0	CH
SP-050031	32.270	0004	-	6.1.0	Rel-6	Align MM10 charging functionality with T2's TS 23.140	approved	F	6.2.0	CH
SP-050031	32.270	0005	-	6.1.0	Rel-6	Charge MMS VASP for getting Terminal Capabilities information - Align with T2's TS 23.140	approved	F	6.2.0	CH
SP-050031	32.270	0006	-	6.1.0	Rel-6	Correct condition for generating a MM Deletion CDR - Align with T2's TS 23.140	approved	F	6.2.0	CH
SP-050031	32.270	0007	-	6.1.0	Rel-6	Extension of the charging functionality for MM cancellation and replacement Align with T2's TS 23.140	approved	F	6.2.0	CH
SP-050030	32.299	0006	-	6.1.0	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	A	6.2.0	OAM-CH
SP-050030	32.299	0007	-	6.1.0	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the Diameter Accounting messages - Align with SA2's TS 23.228	approved	A	6.2.0	OAM-CH
SP-050030	32.299	0008	-	6.1.0	Rel-6	Correct the description of Charging Key	approved	F	6.2.0	CH
SP-050030	32.299	0009	-	6.1.0	Rel-6	Correction of Termination action	approved	B	6.2.0	CH
SP-050030	32.299	0010	-	6.1.0	Rel-6	Correction of missing Quota-Consumption-Time	approved	F	6.2.0	CH
SP-050030	32.299	0011	-	6.1.0	Rel-6	Correction of cause code for 2xx events	approved	F	6.2.0	CH
SP-050030	32.299	0012	-	6.1.0	Rel-6	Correction of missing cause code to distinguishing deregistration charging event	approved	F	6.2.0	CH
SP-050030	32.299	0013	-	6.1.0	Rel-6	Correction to Session Charging with Unit Reservation (SCUR)	approved	F	6.2.0	CH
SP-050030	32.299	0014	-	6.1.0	Rel-6	Correction to Server-Capabilities AVP	approved	F	6.2.0	CH
SP-050030	32.299	0015	-	6.1.0	Rel-6	Correction on Tariff Switch handling	approved	F	6.2.0	CH
SP-050049	32.300	0004	-	6.0.0	Rel-6	Re-introduce text erroneously deleted during implementation of CR 003	approved	F	6.1.0	OAM-NIM
SP-050035	32.302	0008	-	6.1.0	Rel-6	Apply Generic System Context	approved	F	6.2.0	OAM-NIM
SP-050035	32.303	0014	-	6.2.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.3.0	OAM-NIM
SP-050035	32.304	0009	-	6.0.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM
SP-050035	32.323	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM
SP-050037	32.341	0001	-	6.0.0	Rel-6	Add file type requirements - Align with FTIRP IS in TS 32.342	approved	F	6.1.0	OAM-NIM
SP-050037	32.343	0002	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM
SP-050179	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	approved	F	6.1.0	OAM-NIM
SP-050178	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	withdrawn	F		OAM-NIM
SP-050038	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	withdrawn	F		OAM-NIM
SP-050038	32.353	0002	-	6.1.0	Rel-6	IDL in compliant to the style guide	withdrawn	F		OAM-NIM
SP-050178	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	withdrawn	F		OAM-NIM
SP-050179	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	approved	F	6.2.0	OAM-NIM
SP-050038	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	withdrawn	F		OAM-NIM
SP-050178	32.353	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	withdrawn	F		OAM-NIM
SP-050179	32.353	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM
SP-050039	32.363	0003	-	6.2.0	Rel-6	IDL in compliant to the style guide	approved	F	6.3.0	OAM-NIM
SP-050039	32.363	0004	-	6.2.0	Rel-6	Align EPIRPSsystem IDL structure with TS 32.150	approved	F	6.3.0	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050040	32.401	0023	-	5.4.0	Rel-5	Resolve ambiguity in the format for timestamps in PM files	approved	F	5.5.0	OAM-PM
SP-050040	32.403	0057	-	4.9.0	Rel-4	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	F	4.10.0	OAM-PM
SP-050040	32.403	0058	-	5.9.0	Rel-5	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	A	5.10.0	OAM-PM
SP-050040	32.403	0059	-	6.6.0	Rel-6	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	A	6.7.0	OAM-PM
SP-050040	32.403	0060	-	6.6.0	Rel-6	Add measurements on Number of GTP data packets sent and received on the Gn interface, from SGSN to SGSN	approved	B	6.7.0	OAM-PM
SP-050041	32.412	0009	-	6.3.0	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP	approved	F	6.4.0	OAM-PM
SP-050041	32.412	0010	-	6.3.0	Rel-6	Apply the Generic System Context – Align with TS 32.150	approved	F	6.4.0	OAM-NIM
SP-050041	32.413	0005	-	6.3.0	Rel-6	IDL in compliant to the style guide	approved	F	6.4.0	OAM-NIM
SP-050041	32.413	0006	-	6.3.0	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP – Align with TS 32.412	approved	F	6.4.0	OAM-PM
SP-050041	32.413	0007	-	6.3.0	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.412	approved	F	6.4.0	OAM-NIM
SP-050043	32.421	0007	-	6.5.0	Rel-6	Remove ambiguity on the file format for trace data at the Network Elements (NEs)	approved	F	6.6.0	OAM-Trace
SP-050043	32.421	0008	-	6.5.0	Rel-6	Correction to the Scope	approved	F	6.6.0	OAM-Trace
SP-050043	32.421	0009	-	6.5.0	Rel-6	Correct the list of interfaces trace parameter – Align with 32.422 and 32.423	approved	F	6.6.0	OAM-Trace
SP-050043	32.422	0003	-	6.1.0	Rel-6	Clarification on starting/stopping a Trace Recording Session in an RNC	approved	F	6.2.0	OAM-Trace
SP-050043	32.422	0004	-	6.1.0	Rel-6	Removal of Vendor Specific (VS) extensions from Trace control and configuration parameters	approved	F	6.2.0	OAM-Trace
SP-050043	32.422	0005	-	6.1.0	Rel-6	Correct the list of interfaces trace parameter	approved	F	6.2.0	OAM-Trace
SP-050043	32.422	0006	-	6.1.0	Rel-6	Clarify the Trace Session activation in CS/PS domain for SBA and MBA cases	approved	F	6.2.0	OAM-Trace
SP-050043	32.423	0001	-	6.0.0	Rel-6	Add missing Media Gateway (MGW) trace record for the Nb-UP and lu-UP interfaces	approved	F	6.1.0	OAM-Trace
SP-050040	32.432	0001	-	6.0.0	Rel-6	Resolve ambiguity in the format for timestamps in PM files	approved	A	6.1.0	OAM-PM
SP-050044	32.602	0008	-	6.0.0	Rel-6	Apply Generic System Context	approved	F	6.1.0	OAM-NIM
SP-050044	32.603	0016	-	6.2.0	Rel-6	IDL in compliant to the style guide	approved	F	6.3.0	OAM-NIM
SP-050044	32.603	0017	-	6.2.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.3.0	OAM-NIM
SP-050044	32.604	0005	-	6.0.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM
SP-050045	32.612	0013	-	6.1.0	Rel-6	Apply Generic System Context	approved	F	6.2.0	OAM-NIM
SP-050045	32.612	0014	-	6.1.0	Rel-6	Add missing reference to TS 32.712 Transport Network NRM	approved	F	6.2.0	OAM-NIM
SP-050045	32.612	0015	-	6.1.0	Rel-6	Correct Annex B text style to comply with drafting rules	approved	F	6.2.0	OAM-NIM
SP-050045	32.613	0013	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM
SP-050045	32.613	0014	-	6.1.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.2.0	OAM-NIM
SP-050045	32.614	0005	-	6.0.1	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM
SP-050045	32.615	0019	-	6.1.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.2.0	OAM-NIM
SP-050045	32.615	0020	-	6.1.0	Rel-6	Add Inventory Management NRM IRP in BulkCM IRP XML FFD	approved	F	6.2.0	OAM-NIM
SP-050046	32.622	0022	-	6.3.0	Rel-6	Add Link class to generic NRM Information Service	approved	B	6.4.0	OAM-NIM
SP-050046	32.623	0015	-	6.3.0	Rel-6	Add Link to generic NRM CORBA SS	approved	B	6.4.0	OAM-NIM
SP-050046	32.625	0014	-	6.3.0	Rel-6	Add genericNRM.xsd for new IMS Links	approved	B	6.4.0	OAM-NIM
SP-050046	32.625	0015	-	5.4.0	Rel-5	Error corrections to genericNRM.xsd	approved	F	5.5.0	OAM-NIM
SP-050046	32.625	0016	-	6.3.0	Rel-6	Error corrections to genericNRM.xsd	approved	F	6.4.0	OAM-NIM
SP-050047	32.632	0014	-	5.6.0	Rel-5	Align with 32.642, with regards to ExternalRncFunction	approved	A	6.4.0	OAM-NIM
SP-050047	32.632	0015	-	5.6.0	Rel-5	Align with 32.102, regarding the IS template and UML repertoire	approved	F	5.7.0	OAM-NIM
SP-050047	32.632	0016	-	6.1.0	Rel-6	Align with 32.151 and 32.152, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM
SP-050047	32.632	0017	-	6.1.0	Rel-6	Add IMS Links to CN NRM Information Service	approved	B	6.2.0	OAM-NIM
SP-050047	32.633	0009	-	5.2.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.3.0	OAM-NIM
SP-050047	32.633	0010	-	6.1.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM

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SP-050047	32.633	0011	-	5.2.0	Rel-5	Correct List of Long Attributes	approved	F	5.3.0	OAM-NIM
SP-050047	32.633	0012	-	6.1.0	Rel-6	Correct List of Long Attributes	approved	A	6.2.0	OAM-NIM
SP-050047	32.633	0013	-	6.1.0	Rel-6	Add IMS links to CN NRM CORBA SS	approved	B	6.2.0	OAM-NIM
SP-050047	32.634	0007	-	5.3.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.4.0	OAM-NIM
SP-050047	32.634	0008	-	5.3.0	Rel-5	Align with 32.632, with regards to ExternalRncFunction	approved	F	5.4.0	OAM-NIM
SP-050047	32.634	0009	-	6.0.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.1.0	OAM-NIM
SP-050047	32.634	0010	-	6.0.0	Rel-6	Add the IMS objects - Align with 32.632 Configuration Management (CM); Core Network Resources IRP NRM	approved	F	6.1.0	OAM-NIM
SP-050047	32.635	0009	-	5.4.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.5.0	OAM-NIM
SP-050047	32.635	0010	-	6.1.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM
SP-050047	32.635	0012	-	5.4.0	Rel-5	Correction to SgsnFunction XML and correct IS reference	approved	F	5.5.0	OAM-NIM
SP-050047	32.635	0013	-	6.1.0	Rel-6	Correction to SgsnFunction XML, correct IS reference and Editorial corrections	approved	A	6.2.0	OAM-NIM
SP-050048	32.642	0030	-	4.4.0	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	F	4.5.0	OAM-CM
SP-050048	32.642	0031	-	5.5.0	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	5.6.0	OAM-CM
SP-050048	32.642	0032	-	6.3.0	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	6.4.0	OAM-CM
SP-050048	32.642	0033	-	6.3.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.4.0	OAM-NIM
SP-050048	32.642	0034	-	6.3.0	Rel-6	Amendments to UTRAN NRM for RET	approved	F	6.4.0	OAM-NIM
SP-050048	32.643	0019	-	4.3.0	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	F	4.4.0	OAM-CM
SP-050048	32.643	0020	-	5.4.0	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	5.5.0	OAM-CM
SP-050048	32.643	0021	-	6.3.0	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	6.4.0	OAM-CM
SP-050048	32.643	0022	-	6.3.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.4.0	OAM-NIM
SP-050048	32.643	0023	-	6.3.0	Rel-6	Corrections to UTRAN NRM CORBA Solutions set mapping errors	approved	F	6.4.0	OAM-NIM
SP-050048	32.644	0016	-	6.0.0	Rel-6	Add RET support – Align with 32.642 Configuration Management UTRAN network resources IRP NRM	approved	F	6.1.0	OAM-NIM
SP-050048	32.645	0019	-	6.2.0	Rel-6	RET corrections to utranNRM.xsd	approved	F	6.3.0	OAM-NIM
SP-050048	32.645	0020	-	6.2.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.3.0	OAM-NIM
SP-050050	32.663	0012	-	6.3.0	Rel-6	IDL. Incompliant to the style guide	approved	F	6.4.0	OAM-NIM
SP-050051	32.672	0001	-	6.0.0	Rel-6	Remove the irrelevant clause 4	approved	F	6.1.0	OAM-NIM
SP-050051	32.673	0005	-	6.1.0	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.672	approved	F	6.2.0	OAM-NIM
SP-050052	32.715	0001	-	6.0.0	Rel-6	"Unbounded" is not a valid value for "maxInclusive" for type Integer - Correction of XML schema	approved	F	6.1.0	OAM-NIM
SP-050048	32.804	0001	-	6.0.0	Rel-6	Remove irrelevant requirements to RET	approved	F	6.1.0	OAM-NIM

E.6 CRs direct to TSG SA#27

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-050126	01.01	0024	-	8.15.0	R99	Corrections to list of specifications	approved	F	8.16.0	TEI
SP-050126	21.101	0026	-	3.14.0	R99	Corrections to list of specifications	approved	F	3.15.0	TEI
SP-050126	21.101	0027	-	4.11.0	Rel-4	Corrections to list of specifications	approved	F	4.12.0	TEI
SP-050126	21.101	0028	-	5.8.0	Rel-5	Corrections to list of specifications	approved	F	5.9.0	TEI
SP-050126	21.101	0029	-	6.0.0	Rel-6	Corrections to list of specifications	approved	F	6.1.0	TEI
SP-040019	21.900	0027	-	7.0.0	Rel-7	Clarify the usage of specific references	rejected	F		TEI
SP-050126	41.101	0010	-	4.13.0	Rel-4	Corrections to list of specifications	approved	F	4.14.0	TEI
SP-050126	41.101	0011	-	5.9.0	Rel-5	Corrections to list of specifications	approved	F	5.10.0	TEI
SP-050126	41.101	0012	-	6.0.0	Rel-6	Corrections to list of specifications	approved	F	6.1.0	TEI

Annex F: Status of all 3GPP CRs after TSG SA #27 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
SP-050126	01.01	0024	-	8.15.0	R99	Corrections to list of specifications	approved	F	8.16.0	TEI	SP
NP-050067	03.68	A040	2	8.4.0	R99	Correction of the conditions for establishment of a voice group call	approved	F	8.5.0	ASCI	N1
TP-050017	11.10-4	A094	-	8.10.0	R99	Correction of terminal profile test	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A095	-	8.10.0	R99	Correction of Set Up Call test	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A096	-	8.10.0	R99	Essential Corrections	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A097	-	8.10.0	R99	Correction of Call Connected Event test	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A098	-	8.10.0	R99	Correction of Call Control test cases	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A099	-	8.10.0	R99	Corrections of references	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A100	-	8.10.0	R99	Clarification on LAUNCH BROWSER test case	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A101	-	8.10.0	R99	Correction of network related tests	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A102	-	8.10.0	R99	Correction of Timer Management test	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A103	-	8.10.0	R99	Correction of coding of SS RETURN RESULT in 27.22.4.12 SEND USSD	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A104	-	8.10.0	R99	Correction of Expected sequence 2.4 in section 27.22.4.22.2.4 SET UP IDLE MODE TEXT (icon support)	approved	F	8.11.0	TEI	T3
TP-050017	11.10-4	A105	-	8.10.0	R99	Correction on Timer Management test cases	approved	F	8.11.0	TEI	T3
TP-050027	11.17	A002	-	8.1.0	Rel-4	Update of TS 11.17 to Release 4	approved	B	4.0.0	TEI4	T3
SP-050126	21.101	0026	-	3.14.0	R99	Corrections to list of specifications	approved	F	3.15.0	TEI	SP
SP-050126	21.101	0027	-	4.11.0	Rel-4	Corrections to list of specifications	approved	F	4.12.0	TEI	SP
SP-050126	21.101	0028	-	5.8.0	Rel-5	Corrections to list of specifications	approved	F	5.9.0	TEI	SP
SP-050126	21.101	0029	-	6.0.0	Rel-6	Corrections to list of specifications	approved	F	6.1.0	TEI	SP
SP-040019	21.900	0027	-	7.0.0	Rel-7	Clarify the usage of specific references	rejected	F		TEI	SP
SP-050055	21.905	0060	-	5.8.0	Rel-5	Introduction of RAN Information Management	approved	F	5.9.0	TEI5	S1
SP-050055	21.905	0061	-	6.7.0	Rel-6	Introduction of RAN Information Management	approved	A	6.8.0	TEI5	S1
SP-050063	22.011	0066	-	7.0.0	Rel-7	Addition of "Network Control of UE Capabilities"	approved	B	7.1.0	Netwo rk Protec tion	S1
SP-050063	22.011	0067	-	7.0.0	Rel-7	Reinstate CR016 for GPRS Terminal PLMN Reselection	approved	B	7.1.0	TEI4	S1
SP-050057	22.038	0026	-	6.3.0	Rel-6	References corrections	approved	F	6.4.0	TEI6	S1
SP-050057	22.038	0027	-	7.2.0	Rel-7	References corrections	approved	A	7.3.0	TEI7	S1
SP-050056	22.078	0179	-	5.14.0	Rel-5	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	F	5.15.0	CAME L4	S1
SP-050056	22.078	0180	-	6.6.0	Rel-6	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	A	6.7.0	CAME L4	S1
SP-050056	22.078	0181	-	7.2.0	Rel-7	Removal of "Announcement Suppression" in CAMEL control of IMS	approved	A	7.3.0	CAME L4	S1
SP-050064	22.078	0182	1	7.2.0	Rel-7	Support for CAMEL Trunk Originated Trigger Detection Points	approved	B	7.3.0	TTCA MEL	S1
SP-050185	22.078	0183	-	6.6.0	Rel-6	Support of User-to-User Information in CAMEL	approved	F	6.7.0	TEI6	S1
SP-050185	22.078	0184	-	7.2.0	Rel-7	Support of User-to-User Information in CAMEL	approved	A	7.3.0	TEI7	S1
SP-050058	22.101	0157	-	6.8.0	Rel-6	Clean-up in Core Network Operator Name Indication section (22.101)	approved	F	6.9.0	NTSh ar	S1
SP-050058	22.101	0158	-	7.0.0	Rel-7	Clean-up in Core Network Operator Name Indication section (22.101)	approved	A	7.1.0	NTSh ar	S1

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SP-050059	22.101	0159	-	6.8.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.9.0	TEI6	S1
SP-050059	22.101	0160	-	7.0.0	Rel-7	Removal of Reference to TS 22.121	approved	A	7.1.0	TEI7	S1
SP-050059	22.105	0043	-	6.2.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.3.0	TEI6	S1
SP-050059	22.127	0075	-	6.7.0	Rel-6	Removal of References to TS 22.121	approved	F	6.8.0	TEI6	S1
SP-050065	22.127	0076	-	6.7.0	Rel-7	Add requirement for OSA Service Broker	rejected	B		OSA4	S1
SP-050059	22.140	0047	-	6.6.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.7.0	TEI6	S1
SP-050059	22.141	0019	-	6.3.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.4.0	TEI	S1
SP-050059	22.228	0027	-	6.7.0	Rel-6	Removal of Reference to TS 22.121	approved	F	6.8.0	TEI6	S1
SP-050060	22.228	0028	-	6.7.0	Rel-6	Tel-URI related reference update	approved	F	6.8.0	IMS2	S1
SP-050060	22.228	0029	-	7.0.0	Rel-7	Tel-URI related reference update	approved	A	7.1.0	IMS2	S1
SP-050059	22.228	0030	-	7.0.0	Rel-7	Removal of Reference to TS 22.121	approved	A	7.1.0	TEI7	S1
SP-050066	22.234	0011	-	7.0.0	Rel-7	Over-the-air update of I-WLAN operator lists	approved	C	7.1.0	WLAN -SC	S1
SP-050066	22.234	0012	-	7.0.0	Rel-7	Editorial change and addition of missed abbreviation	approved	F	7.1.0	WLAN -SC	S1
SP-050061	22.234	0013	-	6.2.0	Rel-6	Explicit wording of requirements for access to 3GPP PS services	rejected	F		WLAN -CR	S1
SP-050061	22.234	0014	-	7.0.0	Rel-7	Requirements for Support of 3GPP PS services	approved	A	7.1.0	WLAN -CR	S1
SP-050062	22.340	0002	-	6.1.0	Rel-6	Removal of Deferred Messaging Requirements	approved	F	6.2.0	IMS- TS	S1
SP-050104	23.002	0148	2	6.6.0	Rel-6	Inclusion of WLAN functionality in HSS description	approved	F	6.7.0	WLAN	S2
SP-050104	23.002	0153	-	6.6.0	Rel-6	Generalising Subscriber Location Function (SLF) to support WLAN and Removal of WLAN charging reference points and functional entities	approved	F	6.7.0	WLAN	S2
NP-050047	23.003	0093	3	6.5.0	Rel-6	CR on WLAN Alternative NAI	approved	B	6.6.0	WLAN	N4
NP-050044	23.003	0097	-	6.5.0	Rel-6	Clarification of the TMGI	approved	F	6.6.0	MBMS	N4
NP-050057	23.008	0134	4	6.4.0	Rel-6	Adding trace control and configuration parameters to subscriber data in HSS	approved	B	6.5.0	OAM- Trace	N4
NP-050037	23.008	0143	1	6.4.0	Rel-6	Add reference to implicitly registered public user identities set definition	approved	F	6.5.0	IMS- CCR	N4
NP-050056	23.012	0018	2	6.2.0	Rel-6	Introduction of Hop Counter for Send Identification	approved	B	6.3.0	TEI6	N4
NP-050057	23.012	0019	2	6.2.0	Rel-6	Management Based Activation Impacts	approved	B	6.3.0	OAM- Trace	N4
NP-050057	23.018	0144	-	6.3.0	Rel-6	Management Based Activation Impacts	approved	B	6.4.0	OEM- TRAC E	N4
SP-050105	23.060	0519	1	6.7.0	Rel-6	Update of IETF related references	approved	F	6.8.0	TEI6	S2
SP-050105	23.060	0522	2	6.7.0	Rel-6	Redirection in network sharing	approved	F	6.8.0	NTSh ar	S2
SP-050105	23.060	0523	2	5.9.0	Rel-5	RIM-NACC clean up	approved	F	5.10.0	TEI6	S2
SP-050105	23.060	0524	2	6.7.0	Rel-6	RIM-NACC clean up	approved	F	6.8.0	TEI6	S2
SP-050105	23.060	0525	1	5.9.0	Rel-5	Correction of Packet Flow ID Allocation	revised	F		TEI6	S2
SP-050176	23.060	0525	2	5.9.0	Rel-5	Correction of Packet Flow ID Allocation	approved	F	5.10.0	TEI6	S2
SP-050105	23.060	0526	1	6.7.0	Rel-6	Correction of Packet Flow ID Allocation	revised	A		TEI6	S2
SP-050176	23.060	0526	2	6.7.0	Rel-6	Correction of Packet Flow ID Allocation	approved	A	6.8.0	TEI6	S2
NP-050056	23.067	0012	1	6.0.0	Rel-6	Clarification on mapping of eMLPP priorities	approved	F	6.1.0	TEI6	N4
NP-050051	23.078	0762	1	6.4.1	Rel-6	CR 693 not implemented	approved	F	6.5.0	TEI6	N4
NP-050086	23.122	0087	1	7.0.0	Rel-7	Minor Clarifications to EHPLMN handling	approved	F	7.1.0	TEI7	N1

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NP-050083	23.122	0088	1	6.3.0	Rel-6	Addition of domain specific access control description	approved	F	6.4.0	ACBO P	N1
NP-050083	23.122	0089	-	7.0.0	Rel-7	Addition of domain specific access control description	approved	A	7.1.0	ACBO P	N1
SP-050106	23.125	0110	2	6.3.0	Rel-6	Application Function Record information	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0112	3	6.3.0	Rel-6	FBC flows for bearer event reporting	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0113	2	6.3.0	Rel-6	Update of Annex B.4	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0115	1	6.3.0	Rel-6	Updates to service data flow identification	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0117	2	6.3.0	Rel-6	FBC and MBMS and collection of statistics	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0118	2	6.3.0	Rel-6	Removal of the Ry reference point	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0119	2	6.3.0	Rel-6	Editorial and readability amendments	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0122	1	6.3.0	Rel-6	Introduction of predefined handling in TPF	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0123	2	6.3.0	Rel-6	Clarification on the handling of the CRF to the input from the AF	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0124	-	6.3.0	Rel-6	Indication of Charging Unit y	approved	F	6.4.0	CH-FBC	S2
SP-050106	23.125	0125	-	6.3.0	Rel-6	FBC and MBMS and changes to requirements on contacting CRF	approved	F	6.4.0	CH-FBC	S2
TP-050050	23.140	0196	-	6.8.0	Rel-6	Definition of the notification procedure for MM addressed to the USIM	approved	B	6.9.0	MMS6	T2
TP-050013	23.140	0196	-	6.8.0	Rel-6	Definition of the notification procedure for MM addressed to the USIM	revised	B	MMS6	T2	T2
TP-050050	23.140	0197	-	6.8.0	Rel-6	Correcting Extended Canceling and Replacing	approved	F	6.9.0	MMS6	T2
NP-050053	23.153	0085	2	6.0.0	Rel-6	New 'TFO status' event	approved	F	6.1.0	TEI6	N4
NP-050028	23.153	0087	-	4.11.0	Rel-4	Removal of AMR-WB codec	approved	F	4.12.0	OoBT C	N4
NP-050034	23.153	0088	-	5.9.0	Rel-5	Correction of the condition for the insertion of a transcoder	approved	F	5.10.0	TEI5	N4
NP-050034	23.153	0089	-	6.0.0	Rel-6	Correction of the condition for the insertion of a transcoder	approved	A	6.1.0	TEI5	N4
NP-050101	23.172	0029	3	6.1.0	Rel-6	Correction to Network-initiated SCUDIF	approved	F	6.2.0	TEI6	N3
NP-050100	23.172	0030	-	5.4.0	Rel-5	Inclusion of Missing HLR Interrogation Parameter for SCUDIF	approved	F	5.5.0	SCUD IF	N3
NP-050100	23.172	0031	-	6.1.0	Rel-6	Inclusion of Missing HLR Interrogation Parameter for SCUDIF	approved	A	6.2.0	SCUD IF	N3
NP-050110	23.202	0001	-	6.0.0	Rel-6	References for lu and Nb User Plane	approved	F	6.1.0	CS Data	N3
NP-050057	23.205	0045	7	6.0.0	Rel-6	Addition of the Trace package	approved	B	6.1.0	OAM-Trace	N4
NP-050034	23.205	0051	2	5.7.0	Rel-5	Stage 2 Procedure for Emergency Call Indication	approved	F	5.8.0	TEI5	N4
NP-050034	23.205	0052	2	6.0.0	Rel-6	Stage 2 Procedure for Emergency Call Indication	approved	A	6.1.0	TEI5	N4
NP-050028	23.205	0055	-	5.7.0	Rel-5	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	approved	A	5.8.0	OoBT C	N4
NP-050028	23.205	0056	-	6.0.0	Rel-6	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	approved	A	6.1.0	OoBT C	N4

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NP-050028	23.205	0057	-	4.7.0	Rel-4	Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	approved	F	4.8.0	OoBT C	N4
NP-050073	23.218	0072	-	6.2.0	Rel-6	Resolution of references to 24.228	approved	F	6.3.0	IMS2	N1
NP-050069	23.218	0073	1	5.7.0	Rel-5	Default handling	approved	F	5.8.0	IMS-CCR	N1
NP-050073	23.218	0074	1	6.2.0	Rel-6	Default handling	approved	F	6.3.0	IMS2	N1
NP-050069	23.218	0075	-	5.7.0	Rel-5	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	approved	F	5.8.0	IMS-CCR	N1
NP-050069	23.218	0076	-	6.2.0	Rel-6	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	approved	A	6.3.0	IMS-CCR	N1
SP-050107	23.228	0473	3	6.8.0	Rel-6	Corrections to the Network initiated Application de-registration	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0474	2	6.8.0	Rel-6	Correction to the Refer operation	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0475	1	6.8.0	Rel-6	Editorial corrections in the identity procedures	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0478	-	6.8.0	Rel-6	Corrections for errors introduced in 23.228 reorganization	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0479	1	6.8.0	Rel-6	Corrections to flow for codec change	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0481	1	6.8.0	Rel-6	Update of reference to TEL URI RFC 3966	approved	F	6.9.0	IMS2	S2
SP-050107	23.228	0482	1	6.8.0	Rel-6	SBLP interactions correction	approved	F	6.9.0	QoS1	S2
SP-050108	23.234	0116	1	6.3.0	Rel-6	Removal of Obsolete Annexes	approved	F	6.4.0	WLAN	S2
SP-050108	23.234	0117	1	6.3.0	Rel-6	Charging in WAG	approved	F	6.4.0	WLAN	S2
SP-050108	23.234	0118	1	6.3.0	Rel-6	Correction of Requirements for 3GPP PS based services	approved	F	6.4.0	WLAN	S2
SP-050108	23.234	0120	-	6.3.0	Rel-6	Parameter storage for I-WLAN	approved	F	6.4.0	WLAN	S2
SP-050108	23.234	0121	2	6.3.0	Rel-6	Add the functionality of subscriber profile updating description	approved	F	6.4.0	WLAN	S2
SP-050109	23.240	0026	-	6.6.0	Rel-6	Use of Discovery Service as Trusted Authority	approved	F	6.7.0	GUP	S2
SP-050110	23.246	0138	1	6.5.0	Rel-6	Alignment of BM-SC subfunctions to MBMS User Service level (SA4 & SA3)	approved	F	6.6.0	MBMS	S2
SP-050110	23.246	0139	1	6.5.0	Rel-6	MBMS and the use of FBC	approved	F	6.6.0	MBMS	S2
SP-050110	23.246	0140	1	6.5.0	Rel-6	Corrections to MBMS Multicast Service Deactivation Procedure	approved	F	6.6.0	MBMS	S2
SP-050110	23.246	0141	-	6.5.0	Rel-6	Providing the BM-SC with approximate UE location information at MBMS context activation	approved	F	6.6.0	MBMS	S2
SP-050111	23.251	0011	1	6.2.0	Rel-6	Correction of references	approved	F	6.3.0	NTSh ar	S2
SP-050112	23.271	0296	5	6.10.0	Rel-7	Velocity Request and Reporting	approved	B	7.0.0	LCS- R7	S2
SP-050112	23.271	0297	2	6.10.0	Rel-6	Clarification of LDR reference number	approved	F	6.11.0	LCS2	S2
SP-050112	23.271	0298	1	6.10.0	Rel-6	Correction in Location Report Procedure	approved	F	6.11.0	LCS2	S2
SP-050113	23.903	0001	-	6.0.0	Rel-6	Incorrect sequence of events in 4.3.1.1	approved	F	6.1.0	CSVV	S2
NP-050098	23.910	0049	2	4.8.0	Rel-4	Nb transport for handover between UMTS and GSM	approved	F	4.9.0	CS Data	N3
NP-050099	23.910	0050	3	5.4.0	Rel-5	Nb transport for handover between UMTS and GSM	approved	F	5.5.0	CS Data	N3
SP-050114	23.979	0001	2	6.0.0	Rel-6	Impact on Charging Correlation	revised	B		POC	S2
SP-050160	23.979	0001	3	6.0.0	Rel-6	Impact on Charging Correlation	approved	F	6.1.0	POC	S2
SP-050160	23.979	0002	1	6.0.0	Rel-6	QoS of pre-established PDP context	approved	F	6.1.0	PoC	S2
SP-050114	23.979	0002	1	6.0.0	Rel-6	QoS of pre-established PDP context	withdrawn	F		PoC	S2
SP-050160	23.979	0003	1	6.0.0	Rel-6	Alignment of 23.979 with OMA architecture	approved	F	6.1.0	POC	S2
SP-050114	23.979	0003	1	6.0.0	Rel-6	Alignment of 23.979 with OMA architecture	withdrawn	F		POC	S2
SP-050115	23.981	0005	1	6.2.0	Rel-6	P-CSCF discovery	approved	F	6.3.0	IPV4I MS	S2
NP-050068	24.007	0071	-	5.3.0	Rel-5	Addition of maximum data rate to RR_SYNC_IND and MMCC_SYNC_IND	approved	F	5.4.0	SCUD IF	N1

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NP-050068	24.007	0072	-	6.3.0	Rel-6	Addition of maximum data rate to RR_SYNC_IND and MMCC_SYNC_IND	approved	A	6.4.0	SCUD IF	N1
NP-050071	24.008	0931	1	6.7.0	Rel-6	Synchronization of MBMS context status between UE and SGSN	approved	B	6.8.0	MBMS	N1
NP-050076	24.008	0932	-	6.7.0	Rel-6	Correction of the heading of subclause 4.7.3.1.6, bullet d.1	approved	F	6.8.0	TEI6	N1
NP-050070	24.008	0933	2	6.7.0	Rel-6	Defining TMGI and MBMS Session Id in the mobile identity field	approved	B	6.8.0	MBMS	N1
NP-050070	24.008	0934	1	6.7.0	Rel-6	Correct GPRS SM List and MBMS IE Descriptions	approved	F	6.8.0	MBMS	N1
NP-050076	24.008	0935	1	6.7.0	Rel-6	Missing Messages in MM and CC Summary Tables	approved	F	6.8.0	TEI6	N1
NP-050083	24.008	0939	3	6.7.0	Rel-6	Addition of domain specific access control	approved	F	6.8.0	ACBO P	N1
NP-050085	24.008	0950	2	6.7.0	Rel-6	Provision of MS specific UTRAN capabilities for the PS handover from GERAN to UTRAN	approved	B	6.8.0	SCSA GB	N1
NP-050076	24.008	0951	1	6.7.0	Rel-6	GPRS attach type while in DTM	approved	F	6.8.0	TEI6	N1
NP-050076	24.008	0952	1	6.7.0	Rel-6	Detach for PS and CS during a ongoing CS connection	approved	F	6.8.0	TEI6	N1
NP-050076	24.008	0953	1	6.7.0	Rel-6	Condition for Combined RAU after a DTM connection	approved	F	6.8.0	TEI6	N1
NP-050071	24.008	0954	1	6.7.0	Rel-6	MBMS Session Management clarifications	approved	F	6.8.0	MBMS	N1
NP-050071	24.008	0956	1	6.7.0	Rel-6	Introduction of MBMS in clause 8	approved	B	6.8.0	MBMS , TEI6	N1
NP-050077	24.008	0957	2	6.7.0	Rel-6	Modification of MS Behaviour under GPRS Attach with Reject Cause #14	approved	C	6.8.0	TEI6	N1
NP-050070	24.008	0958	-	6.7.0	Rel-6	Mapping of 'MBMS notification response' to RRC establishment cause	approved	F	6.8.0	MBMS	N1
NP-050049	24.030	0022	2	6.2.0	Rel-6	Miss alignment with stage 2 on reuse mechanism	approved	F	6.3.0	LCS2	N4
NP-050049	24.030	0023	1	6.2.0	Rel-6	Pseudonym indicator support in MO-LR	approved	F	6.3.0	LCS2	N4
NP-050049	24.080	0043	1	6.2.0	Rel-6	Miss alignment with stage 2 on reuse mechanism	approved	F	6.3.0	LCS2	N4
NP-050049	24.080	0044	1	6.2.0	Rel-6	Pseudonym indicator support in MO-LR	approved	F	6.3.0	LCS2	N4
NP-050082	24.109	0011	1	6.1.0	Rel-6	Editorial corrections	approved	F	6.2.0	SEC1- SC	N1
NP-050081	24.109	0012	1	6.1.0	Rel-6	PSK TLS updates	revised	F		SEC1- SC	N1
NP-050130	24.109	0012	2	6.1.0	Rel-6	PSK TLS updates	approved	F	6.2.0	SEC1- SC	N1
NP-050073	24.141	0034	1	6.2.0	Rel-6	Resolution of references to 24.228	approved	F	6.3.0	IMS2	N1
NP-050078	24.141	0035	-	6.2.0	Rel-6	Authentication proxy for presence	approved	F	6.3.0	PRES NC	N1
NP-050078	24.141	0037	-	6.2.0	Rel-6	XCAP-change clarification	approved	D	6.3.0	PRES NC	N1
NP-050078	24.141	0038	-	6.2.0	Rel-6	XCAP-change correction	approved	F	6.3.0	PRES NC	N1
NP-050078	24.141	0039	-	6.2.0	Rel-6	IFC corrections	approved	F	6.3.0	PRES NC	N1
NP-050073	24.147	0020	1	6.1.0	Rel-6	Resolution of references to 24.228	approved	F	6.2.0	IMS2	N1
NP-050072	24.147	0022	2	6.1.0	Rel-6	Deleting CPCP and BFCP from Rel-6 IMS Conferencing	approved	C	6.2.0	IMS2	N1
NP-050069	24.228	0137	2	5.11.0	Rel-5	Correction to interaction between S-CSCF and HSS in Network initiated deregistration procedure	approved	F	5.12.0	IMS- CCR	N1
NP-050073	24.229	0729	1	6.5.1	Rel-6	Incorporation of draft-ietf-sip-rfc3312-update-03.txt	revised	F		IMS2	N1
NP-050069	24.229	0784	-	5.11.1	Rel-5	Deregistration effect on active sessions	approved	F	5.12.0	IMS- CCR	N1
NP-050069	24.229	0785	-	6.5.1	Rel-6	Deregistration effect on active sessions	approved	A	6.6.0	IMS- CCR	N1
NP-050073	24.229	0786	1	6.5.1	Rel-6	Cleanups resulting from CR changes for last version	approved	F	6.6.0	IMS2	N1
NP-050075	24.229	0788	1	6.5.1	Rel-6	MO - Calls to IPv4 SIP terminals	approved	F	6.6.0	IMS2	N1

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NP-050073	24.229	0790	-	6.5.1	Rel-6	Registration - Abnormal Case	approved	F	6.6.0	IMS2	N1
NP-050073	24.229	0794	-	6.5.1	Rel-6	RFC 3966	approved	F	6.6.0	IMS2	N1
NP-050078	24.229	0795	1	6.5.1	Rel-6	Sip-profile package in major capabilities	approved	F	6.6.0	PRES NC	N1
NP-050075	24.229	0801	3	6.5.1	Rel-6	Default handling associated with the trigger at the S-CSCF	approved	A	6.6.0	IMS2	N1
NP-050075	24.229	0803	4	6.5.1	Rel-6	Default handling associated with the trigger for third party registration	approved	F	6.6.0	IMS2	N1
NP-050069	24.229	0805	1	5.11.1	Rel-5	Use of original dialog identifier at AS	approved	F	5.12.0	IMS- CCR	N1
NP-050069	24.229	0806	1	6.5.1	Rel-6	Use of original dialog identifier at AS	approved	A	6.6.0	IMS- CCR	N1
NP-050069	24.229	0807	2	5.11.1	Rel-5	Checking Request-URI for terminating requests at the S-CSCF	approved	F	5.12.0	IMS- CCR	N1
NP-050069	24.229	0808	2	6.5.1	Rel-6	Checking Request-URI for terminating requests at the S-CSCF	approved	A	6.6.0	IMS- CCR	N1
NP-050069	24.229	0809	1	5.11.1	Rel-5	IOI storage at MGCF	approved	F	5.12.0	IMS- CCR	N1
NP-050069	24.229	0810	1	6.5.1	Rel-6	IOI storage at MGCF	approved	A	6.6.0	IMS- CCR	N1
NP-050073	24.229	0817	-	6.5.1	Rel-6	Editorial corrections	approved	D	6.6.0	IMS2	N1
NP-050075	24.229	0818	3	6.5.1	Rel-6	Corrections to subclause 5.5 in TS 24.229	approved	F	6.6.0	IMS2	N1
NP-050073	24.229	0821	1	6.5.1	Rel-6	Handling topmost Route header at the P-CSCF	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0822	1	6.5.1	Rel-6	Corrections to the UE tables for 'major capabilities'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0823	1	6.5.1	Rel-6	Corrections to the tables for 'BYE'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0824	1	6.5.1	Rel-6	Removal of the UE table for 'status codes'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0826	1	6.5.1	Rel-6	Corrections to the UE tables for 'ACK'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0826	1	6.5.1	Rel-6	Corrections to the tables for 'CANCEL'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0827	1	6.5.1	Rel-6	Corrections to the tables for 'INVITE'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0828	1	6.5.1	Rel-6	Corrections to the tables for 'MESSAGE'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0829	1	6.5.1	Rel-6	Corrections to the tables for 'NOTIFY'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0830	1	6.5.1	Rel-6	Corrections to the tables for 'OPTIONS'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0831	1	6.5.1	Rel-6	Corrections to the tables for 'PRACK'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0832	1	6.5.1	Rel-6	Corrections to the tables for 'PUBLISH'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0833	1	6.5.1	Rel-6	Corrections to the tables for 'REFER'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0834	1	6.5.1	Rel-6	Corrections to the tables for 'REGISTER'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0835	1	6.5.1	Rel-6	Corrections to the tables for 'SUBSCRIBE'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0836	1	6.5.1	Rel-6	Corrections to the tables for 'UPDATE'	approved	F	6.6.0	IMS2	N1
NP-050074	24.229	0837	1	6.5.1	Rel-6	Corrections to the tables for SDP	approved	F	6.6.0	IMS2	N1
NP-050069	24.229	0839	-	5.11.1	Rel-5	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	approved	F	5.12.0	IMS- CCR	N1
NP-050069	24.229	0840	-	6.5.1	Rel-6	Filter criteria matching and generation of third-party REGISTER request for network-initiated deregistration	approved	A	6.6.0	IMS- CCR	N1
NP-050073	24.229	0841	-	6.5.1	Rel-6	Filtering of the P-Access-Network-Info header by the S-CSCF and privacy rules	approved	F	6.6.0	IMS2	N1
NP-050075	24.229	0846	2	6.5.1	Rel-6	Correction to the Registration procedure	approved	F	6.6.0	IMS2	N1
NP-050073	24.229	0848	1	6.5.1	Rel-6	Removal of I-CSCF normative requirement on Cx interface	approved	F	6.6.0	IMS2	N1
NP-050073	24.229	0849	1	6.5.1	Rel-6	Corrections to addition of session set-up not requiring preconditions and reliable transport of provisional responses	revised	F		IMS2	N1
NP-050127	24.229	0849	2	6.5.1	Rel-6	Corrections to addition of session set-up not requiring preconditions and reliable transport of provisional responses	approved	F	6.6.0	IMS2	N1
NP-050075	24.229	0850	1	6.5.1	Rel-6	Addition of IMS-ALF to profile tables	approved	F	6.6.0	IMS2	N1

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NP-050075	24.229	0851	2	6.5.1	Rel-6	Press and im URIs in incoming requests	approved	C	6.6.0	IMS2	N1
NP-050080	24.234	0017	3	6.1.1	Rel-6	On 3GPP IP access independence	approved	F	6.2.0	WLAN -IW	N1
NP-050079	24.234	0019	1	6.1.1	Rel-6	PLMN selection for WLAN	approved	B	6.2.0	WLAN	N1
NP-050117	24.234	0020	2	6.1.1	Rel-6	Fallback to full authentication	revised	F		WLAN	N1
NP-050115	24.234	0020	3	6.1.1	Rel-6	Fallback to full authentication	approved	F	6.2.0	WLAN	N1
NP-050079	24.234	0021	2	6.1.1	Rel-6	Correction of Abbreviation Usage	approved	D	6.2.0	WLAN	N1
NP-050075	24.247	0001	1	6.0.1	Rel-6	Resolution of references to 24.228	approved	F	6.1.0	IMS2	N1
NP-050075	24.247	0002	3	6.0.1	Rel-6	MESSAGE to multiple recipients	approved	F	6.1.0	IMS2	N1
NP-050073	24.247	0003	-	6.0.1	Rel-6	MESSAGE to unregistered user	approved	F	6.1.0	IMS2	N1
NP-050075	24.247	0007	2	6.0.1	Rel-6	Alignment between TS 22.340 and on TS 24.247 for "is composing"	approved	F	6.1.0	IMS2	N1
NP-050073	24.247	0008	1	6.0.1	Rel-6	Alignment between TS 23.228/ TS 22.340 and TS 24.247 for immediate messaging	approved	F	6.1.0	IMS2	N1
NP-050075	24.247	0009	2	6.0.1	Rel-6	Clarifications to TS 24.247 subclause 9.3	approved	F	6.1.0	IMS2	N1
NP-050073	24.247	0010	2	6.0.1	Rel-6	Removing CPCP from 24.247	approved	C	6.1.0	IMS2	N1
NP-050073	24.247	0011	1	6.0.1	Rel-6	Corrections to Message Session Flows to align with draft-ietf-simple-message-sessions-09	approved	F	6.1.0	IMS2	N1
RP-050040	25.101	0391	-	6.6.0	Rel-6	Specification of enhanced performance requirements for HS-SCCH with open loop diversity based on receiver diversity	approved	B	6.7.0	RInIm p- HSPer f- RxDiv	R4
RP-050040	25.101	0392	-	6.6.0	Rel-6	Modification of enhanced performance requirements for HS-SCCH based on receiver diversity	approved	C	6.7.0	RInIm p- HSPer f- RxDiv	R4
RP-050038	25.101	0393	-	3.17.0	R99	Removal of TGPL2	rejected	C		TEI	R4
RP-050038	25.101	0394	-	4.11.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R4
RP-050038	25.101	0395	-	5.13.0	Rel-5	Removal of TGPL2	approved	C	5.14.0	TEI	R4
RP-050038	25.101	0396	-	6.6.0	Rel-6	Removal of TGPL2	approved	A	6.7.0	TEI	R4
RP-050041	25.101	0397	-	6.6.0	Rel-6	Minimum performance for constant BLER testcases	approved	F	6.7.0	TEI6	R4
RP-050040	25.101	0400	1	6.6.0	Rel-6	Clarification of mapping of HS-DSCH requirements	approved	F	6.7.0	RInIm p- HSPer f- RxDiv	R4
RP-050041	25.101	0401	1	6.6.0	Rel-6	OCNS definition for transmit diversity	approved	F	6.7.0	TEI6	R4
RP-050041	25.101	0402	-	6.6.0	Rel-6	Corrections to 9.2 demodulation of HS-DSCH	approved	F	6.7.0	TEI6, HSDP A-RF	R4
RP-050039	25.101	0403	2	5.13.0	Rel-5	HS-DPCCH time mask requirements	approved	F	5.14.0	HSDP A-RF	R4
RP-050039	25.101	0404	2	6.6.0	Rel-6	HS-DPCCH time mask requirements	approved	A	6.7.0	HSDP A-RF	R4
RP-050041	25.101	0406	-	6.6.0	Rel-6	Update UMTS FDD Receiver Blocking Specifications	approved	F	6.7.0	TEI6	R4
RP-050040	25.101	0407	1	6.6.0	Rel-6	Enhanced performance requirements for HSDPA cat 7 & 8 capable receivers	approved	B	6.7.0	RInIm p- HSPer f- RxDiv	R4
RP-050050	25.133	0707	1	6.8.0	Rel-6	Introduction of DL Transmission Branch Load Measurement	approved	B	6.9.0	TEI6	R4

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RP-050038	25.133	0712	-	3.19.0	R99	Removal of TGPL2	rejected	C		TEI	R4
RP-050038	25.133	0713	-	4.13.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R4
RP-050038	25.133	0714	-	5.13.0	Rel-5	Removal of TGPL2	approved	C	5.14.0	TEI	R4
RP-050038	25.133	0715	-	6.8.0	Rel-6	Removal of TGPL2	approved	A	6.9.0	TEI	R4
RP-050041	25.133	0719	-	6.8.0	Rel-6	GSM BSIC reconfirmation	approved	F	6.9.0	TEI6	R4
RP-050041	25.133	0720	-	6.8.0	Rel-6	Improvement of interfrequency Cell Search Requirement	approved	F	6.9.0	TEI6	R4
RP-050041	25.133	0721	-	6.8.0	Rel-6	Correction of error in the implementation of CR502	approved	F	6.9.0	TEI6	R4
RP-050037	25.133	0724	2	3.19.0	R99	Correction to DPCH_EcIor level in A.7.1 UE Transmit Timing	approved	F	3.20.0	TEI	R4
RP-050037	25.133	0725	2	4.13.0	Rel-4	Correction to DPCH_EcIor level in A.7.1 UE Transmit Timing	approved	A	4.14.0	TEI	R4
RP-050037	25.133	0726	2	5.13.0	Rel-5	Correction to DPCH_EcIor level in A.7.1 UE Transmit Timing	approved	A	5.14.0	TEI	R4
RP-050037	25.133	0727	2	6.8.0	Rel-6	Correction to DPCH_EcIor level in A.7.1 UE Transmit Timing	approved	A	6.9.0	TEI	R4
RP-050041	25.141	0362	-	6.8.0	Rel-6	Test model usage for TX diversity test case	approved	F	6.9.0	TEI6	R4
RP-050041	25.141	0363	1	6.8.0	Rel-6	Description of test procedure for Time alignment error in TX Diversity	approved	F	6.9.0	TEI6	R4
RP-050043	25.211	0197	1	6.3.0	Rel-6	E-HICH/E-RGCH Signature Sequences	approved	F	6.4.0	EDCH -Phys	R1
RP-050043	25.211	0198	1	6.3.0	Rel-6	E-RGCH/E-HICH Signature Sequence Hopping	approved	F	6.4.0	EDCH -Phys	R1
RP-050088	25.211	0200	1	6.3.0	Rel-6	Introduction of F-DPCH without pilot field	approved	B	6.4.0	RANI mp- RABS	R1
RP-050090	25.211	0202	2	6.3.0	Rel-6	E-HICH/E-RGCH/E-AGCH timing	approved	F	6.4.0	RANI mp- RABS E- Code OptFD D	R1
RP-050088	25.212	0193	1	6.3.0	Rel-6	Introduction of F-DPCH	approved	B	6.4.0	RANI mp- RABS E- Code OptFD D	R1
RP-050044	25.212	0198	1	6.3.0	Rel-6	PLnon-max and P _{lmax}	approved	F	6.4.0	EDCH -Phys	R1
RP-050045	25.212	0199	-	6.3.0	Rel-6	HARQ bit collection for E-DCH	approved	C	6.4.0	EDCH -Phys	R1
RP-050088	25.213	0070	1	6.1.0	Rel-6	Introduction of F-DPCH	approved	B	6.2.0	RANI mp- RABS E- Code OptFD D	R1
RP-050046	25.213	0072	-	6.1.0	Rel-6	Correction on E-DPCCH power offset	approved	F	6.2.0	EDCH -Phys	R1
RP-050047	25.213	0073	1	6.1.0	Rel-6	Defining E-DPCCH power offset	approved	F	6.2.0	EDCH -Phys	R1
RP-050095	25.214	0354	3	6.4.0	Rel-6	Timing maintained Hard Handover	rejected	C		TEI6	R1
RP-050096	25.214	0355	2	6.4.0	Rel-6	Faster L1 DCH synchronization	rejected	B		TEI6	R1

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RP-050048	25.214	0362	2	6.4.0	Rel-6	Gain factor setting for E-DCH	approved	F	6.5.0	EDCH -Phys	R1
RP-050049	25.214	0364	1	6.4.0	Rel-6	Reliable E-RGCH/E-HICH Detection	approved	F	6.5.0	EDCH -Phys	R1
RP-050094	25.214	0365	-	5.10.0	Rel-5	Correction to computed gain factors quantization	rejected	F		TEI5	R1
RP-050088	25.214	0368	1	6.4.0	Rel-6	Introduction of F-DPCH without pilot field	approved	B	6.5.0	RANI mp- RABS E- Code OptFD	R1
RP-050091	25.214	0369	2	6.4.0	Rel-6	DL/UL timing association of E-DCH operation	revised	F		EDCH -Phys	R1
RP-050140	25.214	0369	3	6.4.0	Rel-6	DL/UL timing association of E-DCH operation	approved	F	6.5.0	EDCH -Phys	R1
RP-050050	25.215	0147	4	6.1.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	approved	B	6.2.0	TEI6	R1
RP-050038	25.215	0150	1	3.12.0	R99	Removal of TGPL2	rejected	C		TEI	R1
RP-050038	25.215	0151	1	4.7.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R1
RP-050038	25.215	0152	1	5.5.0	Rel-5	Removal of TGPL2	approved	C	5.6.0	TEI	R1
RP-050038	25.215	0153	1	6.1.0	Rel-6	Removal of TGPL2	approved	A	6.2.0	TEI	R1
RP-050092	25.215	0154	-	6.1.0	Rel-6	Clarification of cell on SFN-SFN observed time difference	approved	F	6.2.0	TEI	R1
RP-050088	25.215	0155	-	6.1.0	Rel-6	Introduction of F-DPCH without pilot field	approved	B	6.2.0	RANI mp- RABS E- Code OptFD	R1
RP-050093	25.215	0156	-	3.12.0	R99	Clarification of the cell on SFN-SFN observed time difference	approved	F	3.13.0	TEI	R1
RP-050093	25.215	0157	-	4.7.0	Rel-4	Clarification of the cell on SFN-SFN observed time difference	approved	A	4.8.0	TEI	R1
RP-050093	25.215	0158	-	5.5.0	Rel-5	Clarification of the cell on SFN-SFN observed time difference	approved	A	5.6.0	TEI	R1
RP-050089	25.221	0118	-	6.2.0	Rel-6	Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD	approved	B	6.3.0	RANI mp- RABS E- Code OptTD	R1
RP-050097	25.224	0140	2	6.3.0	Rel-6	Improvements to uplink closed-loop power control for 1.28Mcps TDD	approved	C	6.4.0	LCRT DD- Phys	R1
RP-050089	25.224	0141	-	6.3.0	Rel-6	Release 6 HS-DSCH operation without a DL DPCH for 3.84Mcps TDD	approved	B	6.4.0	RANI mp- RABS E- Code OptTD	R1
RP-050111	25.301	0072	-	6.1.0	Rel-6	Uncomplete logical channel identification for FACH	approved	F	6.2.0	TEI6	R2
RP-050067	25.301	0073	-	5.3.0	Rel-5	Lossless DL RLC PDU size change	approved	B	5.4.0	TEI5	R2

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RP-050067	25.301	0074	-	6.1.0	Rel-6	Lossless DL RLC PDU size change	approved	B	6.2.0	TEI5	R2
RP-050075	25.301	0075	-	6.1.0	Rel-6	Introduction of MBMS	approved	B	6.2.0	MBMS -RAN	R2
RP-050089	25.302	0148	-	6.2.0	Rel-6	Release 6 HS-DSCH operation without a DL DPCH for 3.84 Mcps TDD	approved	B	6.3.0	RANi mp- RABS E- Code OPTT DD	R2
RP-050074	25.302	0149	-	6.2.0	Rel-6	Introduction of F-DPCH	approved	B	6.3.0	RANi mp- RABS E- Code OptFD D	R2
RP-050076	25.302	0150	1	6.2.0	Rel-6	Introduction of MBMS	approved	B	6.3.0	MBMS -RAN	R2
RP-050050	25.302	0151	-	6.2.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	approved	B	6.3.0	TEI6	R2
RP-050081	25.304	0125	1	6.4.0	Rel-6	Corrections to "selected PLMN" in access stratum	approved	F	6.5.0	TEI6	R2
RP-050073	25.304	0128	1	5.7.0	Rel-5	Reselection procedures (1235)	approved	F	5.8.0	TEI5	R2
RP-050073	25.304	0129	1	6.4.0	Rel-6	Reselection procedures (1235)	approved	A	6.5.0	TEI5	R2
RP-050073	25.304	0130	1	5.7.0	Rel-5	RSCP Thresholds	approved	F	5.8.0	TEI5	R2
RP-050073	25.304	0131	1	6.4.0	Rel-6	RSCP Thresholds	approved	A	6.5.0	TEI5	R2
RP-050073	25.304	0132	2	6.4.0	Rel-6	High-mobility measurement rules	approved	A	6.5.0	TEI5	R2
RP-050112	25.304	0133	-	6.4.0	Rel-6	H criterion in HCS high-mobility	approved	F	6.5.0	TEI6	R2
RP-050077	25.304	0134	-	6.4.0	Rel-6	MBMS Scope	approved	F	6.5.0	MBMS -RAN	R2
RP-050073	25.304	0135	1	5.7.0	Rel-5	Intra frequency measurement rules for HCS	approved	F	5.8.0	TEI5	R2
RP-050072	25.304	0136	-	5.7.0	Rel-5	Correction to cell selection and reselection to enable enhanced cell reselection	withdrawn	F		TEI5	R2
RP-050128	25.304	0136	1	5.7.0	Rel-5	Correction to cell selection and reselection parameters to enable enhanced cell reselection	approved	B	5.8.0	TEI5	R2
RP-050072	25.304	0137	-	6.4.0	Rel-6	Correction to cell selection and reselection to enable enhanced cell reselection	withdrawn	A		TEI5	R2
RP-050128	25.304	0137	1	6.4.0	Rel-6	Correction to cell selection and reselection parameters to enable enhanced cell reselection	approved	A	6.5.0	TEI5	R2
RP-050073	25.304	0138	1	5.7.0	Rel-5	High-mobility measurement rules	approved	F	5.8.0	TEI5	R2
RP-050073	25.304	0139	1	6.4.0	Rel-6	Intra frequency measurement rules for HCS	approved	A	6.5.0	TEI5	R2
RP-050065	25.306	0099	-	4.9.0	Rel-4	Support of DSCH	approved	F	4.10.0	TEI4	R2
RP-050065	25.306	0100	-	5.9.0	Rel-5	Support of DSCH	approved	A	5.10.0	TEI4	R2
RP-050065	25.306	0101	-	6.3.0	Rel-6	Support of DSCH	approved	A	6.4.0	TEI4	R2
RP-050067	25.306	0102	-	5.9.0	Rel-5	Lossless DL RLC PDU size change	approved	A	5.10.0	TEI5	R2
RP-050067	25.306	0103	-	6.3.0	Rel-6	Lossless DL RLC PDU size change	approved	B	6.4.0	TEI5	R2
RP-050085	25.306	0104	1	6.3.0	Rel-6	Inclusion of UE capabilities for Enhanced Uplink	revised	B		EDCH -L23	R2
RP-050154	25.306	0104	2	6.3.0	Rel-6	Inclusion of UE capabilities for Enhanced Uplink	approved	B	6.4.0	EDCH -L23	R2
RP-050083	25.306	0105	-	6.3.0	Rel-6	Support of ROHC mandatory	approved	C	6.4.0	RANi mp- RABS E	R2

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RP-050143	25.306	0106	-	6.3.0	Rel-6	Definition of Six UE categories for Enhanced Uplink	rejected	B		EDCH-L23	R2
RP-050115	25.309	0005	-	6.1.0	Rel-6	Introduction of Details for the scheduling operation, non-scheduled transmission and E-TFC selection	approved	B	6.2.0	EUDC-H-L23	R2
RP-050078	25.321	0204	-	6.3.0	Rel-6	Correction to MBMS header for MBMS	approved	F	6.4.0	MBMS-RAN	R2
RP-050113	25.322	0260	1	6.2.0	Rel-6	Correction of MRW termination on reception of ACK SUFI	approved	F	6.3.0	TEI6	R2
RP-050113	25.322	0265	-	6.2.0	Rel-6	Correction to RLC Re-establishment	approved	F	6.3.0	TEI6	R2
RP-050113	25.322	0267	-	6.2.0	Rel-6	CRCLC-Config-Req in LOCAL_SUSPEND State	approved	F	6.3.0	TEI6	R2
RP-050113	25.322	0268	-	6.2.0	Rel-6	Protocol error detection and recovery	approved	F	6.3.0	TEI6	R2
RP-050068	25.322	0269	-	5.9.0	Rel-5	Removal of EPC mechanism	approved	F	5.10.0	TEI5	R2
RP-050068	25.322	0270	-	6.2.0	Rel-6	Removal of EPC mechanism	approved	A	6.3.0	TEI5	R2
RP-050082	25.322	0271	-	6.2.0	Rel-6	Inclusion of transmitter constraints	approved	F	6.3.0	MBMS-RAN	R2
RP-050067	25.323	0058	2	5.2.0	Rel-5	Lossless DL RLC PDU size change	approved	B	5.3.0	TEI5	R2
RP-050067	25.323	0059	2	6.0.0	Rel-6	Lossless DL RLC PDU size change	approved	B	6.1.0	TEI5	R2
RP-050038	25.331	2488	2	3.21.0	R99	Removal of TGPL2	rejected	C		TEI	R2
RP-050038	25.331	2489	2	4.16.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R2
RP-050038	25.331	2490	2	5.11.0	Rel-5	Removal of TGPL2	approved	C	5.12.0	TEI	R2
RP-050038	25.331	2491	2	6.4.0	Rel-6	Removal of TGPL2	approved	C	6.5.0	TEI	R2
RP-050069	25.331	2498	-	5.11.0	Rel-5	Minor HSDPA related corrections	approved	F	5.12.0	HSDP-A-L23	R2
RP-050069	25.331	2499	-	6.4.0	Rel-6	Minor HSDPA related corrections	approved	A	6.5.0	HSDP-A-L23	R2
RP-050169	25.331	2500	-	5.11.0	Rel-5	Integrity protection related information in the SRNS relocation info	approved	F		TEI5	
RP-050070	25.331	2500	-	5.11.0	Rel-5	Integrity protection related information in the SRNS relocation info	approved	F	5.12.0	TEI5	R2
RP-050169	25.331	2501	-	6.4.0	Rel-6	Integrity protection related information in the SRNS relocation info	approved	A		TEI5	
RP-050070	25.331	2501	-	6.4.0	Rel-6	Integrity protection related information in the SRNS relocation info	approved	A	6.5.0	TEI5	R2
RP-050069	25.331	2502	-	5.11.0	Rel-5	Number of timeslots that can be used for HS-PDSCH resource for 3.84 Mcps TDD	approved	F	5.12.0	HSDP-A-L23	R2
RP-050069	25.331	2503	-	6.4.0	Rel-6	Number of timeslots that can be used for HS-PDSCH resource for 3.84 Mcps TDD	approved	A	6.5.0	HSDP-A-L23	R2
RP-050089	25.331	2504	-	6.4.0	Rel-6	Release 6 HS-DSCH operation without a DL DPCH for 3.84 Mcps TDD	approved	B	6.5.0	RAN:mp-RABS E-Code OPTT DD	R2
RP-050114	25.331	2506	-	6.4.0	Rel-6	Removal of unnecessary cell updates on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	approved	F	6.5.0	TEI6	R2
RP-050069	25.331	2507	-	5.11.0	Rel-5	ASN.1 clarification on Cell and Channel Identity info for 1.28 Mcps TDD	approved	F	5.12.0	LCRT-DD-L23	R2
RP-050069	25.331	2508	-	6.4.0	Rel-6	ASN.1 clarification on Cell and Channel Identity info for 1.28 Mcps TDD	approved	A	6.5.0	LCRT-DD-L23	R2
RP-050070	25.331	2509	-	5.11.0	Rel-5	Handling of TM SRB's at radio link failure	approved	F	5.12.0	TEI5	R2
RP-050070	25.331	2510	-	6.4.0	Rel-6	Handling of TM SRB's at radio link failure	approved	A	6.5.0	TEI5	R2
RP-050066	25.331	2511	-	4.16.0	Rel-4	Correction of ASN.1 comment concerning OTDOA correction	approved	F	4.17.0	TEI4	R2

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RP-050070	25.331	2512	-	5.11.0	Rel-5	Removal of the UARFCN uplink (Nu) in the informative Annex A.3	approved	F	5.12.0	TEI5	R2
RP-050070	25.331	2513	-	6.4.0	Rel-6	Removal of the UARFCN uplink (Nu) in the informative Annex A.3	approved	A	6.5.0	TEI5	R2
RP-050070	25.331	2514	-	5.11.0	Rel-5	Correction on PRACH selection	approved	F	5.12.0	TEI5	R2
RP-050070	25.331	2515	1	6.4.0	Rel-6	Correction on PRACH selection	approved	A	6.5.0	TEI5	R2
RP-050067	25.331	2516	3	5.11.0	Rel-5	Lossless RLC PDU size handling	approved	B	5.12.0	TEI5	R2
RP-050067	25.331	2517	3	6.4.0	Rel-6	Lossless RLC PDU size handling	approved	B	6.5.0	TEI5	R2
RP-050069	25.331	2518	-	5.11.0	Rel-5	Clarification of GERAN (P)SI message coding in NACC	approved	F	5.12.0	TEI5	R2
RP-050069	25.331	2519	-	6.4.0	Rel-6	Clarification of GERAN (P)SI message coding in NACC	approved	A	6.5.0	TEI5	R2
RP-050070	25.331	2520	-	5.11.0	Rel-5	Unsupported RLC mode reconfigurations	approved	F	5.12.0	TEI5	R2
RP-050070	25.331	2521	-	6.4.0	Rel-6	Unsupported RLC mode reconfigurations	approved	A	6.5.0	TEI5	R2
RP-050070	25.331	2522	-	5.11.0	Rel-5	Correction to Inter RAT cell info indication	approved	F	5.12.0	TEI5	R2
RP-050070	25.331	2523	-	6.4.0	Rel-6	Correction to Inter RAT cell info indication	approved	A	6.5.0	TEI5	R2
RP-050086	25.331	2524	-	6.4.0	Rel-6	Correction to network sharing functionality	approved	F	6.5.0	NTSh at- UTRA NEenh	R2
RP-050086	25.331	2525	-	6.4.0	Rel-6	Network sharing corrections	approved	F	6.5.0	NTSh at- UTRA NEenh	R2
RP-050110	25.331	2526	1	6.4.0	Rel-6	CN domain specific Access Class Barring	approved	C	6.5.0	ACBO P	R2
RP-050081	25.331	2527	-	6.4.0	Rel-6	Corrections to "selected PLMN" in access stratum	approved	F	6.5.0	TEI6, NTSh at- UTRA NEenh	R2
RP-050074	25.331	2528	-	6.4.0	Rel-6	Introduction of F-DPCH	approved	B	6.5.0	RANi mp- RABS E- Code OptFD D	R2
RP-050084	25.331	2529	-	6.4.0	Rel-6	Minor E-DCH related corrections	approved	F	6.5.0	EUDC H-L23	R2
RP-050079	25.331	2530	2	6.4.0	Rel-6	Miscellaneous MBMS corrections	approved	F	6.5.0	MBMS -RAN	R2
RP-050087	25.331	2532	-	6.4.0	Rel-6	Additional Frequency Bands	approved	C	6.5.0	UMTS 900, UMTS 2600	R2
RP-050084	25.331	2534	-	6.4.0	Rel-6	Introduction of E-DCH in the ASN.1	approved	B	6.5.0	EUDC H-L23	R2
RP-050097	25.331	2535	-	6.4.0	Rel-6	Improvements to uplink closed-loop power control for 1.28Mcps TDD	approved	B	6.5.0	LCRT DD- L23	R2
RP-050079	25.331	2536	1	6.4.0	Rel-6	MBMS Corrections to 25.331 ASN.1	approved	F	6.5.0	MBMS -RAN	R2
RP-050072	25.331	2537	-	5.11.0	Rel-5	Correction to cell selection and reselection to enable enhanced cell reselection	withdrawn	F		TEI5	R2

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RP-050128	25.331	2537	1	5.11.0	Rel-5	Correction to cell selection and reselection parameters to enable enhanced cell reselection	approved	B	5.12.0	TEI5	R2
RP-050072	25.331	2538	-	6.4.0	Rel-6	Correction to cell selection and reselection to enable enhanced cell reselection	withdrawn	A		TEI5	R2
RP-050128	25.331	2538	1	6.4.0	Rel-6	Correction to cell selection and reselection parameters to enable enhanced cell reselection	approved	A	6.5.0	TEI5	R2
RP-050134	25.331	2539	-	6.4.0	Rel-6	Faster L1 DCH synchronization	rejected	B		TEI6	R2
RP-050135	25.331	2540	-	6.4.0	Rel-6	Timing Maintained Hard Handover	rejected	B		TEI6	R2
RP-050080	25.346	0010	-	6.3.0	Rel-6	Introduction of MBMS Frequency dispersion	approved	F	6.4.0	MBMS -RAN	R2
RP-050080	25.346	0011	-	6.3.0	Rel-6	Correction on MBMS multiplexing and soft combining in TDD	approved	F	6.4.0	MBMS -RAN	R2
RP-050080	25.346	0012	-	6.3.0	Rel-6	Clarification to UE capabilities to consider MCCH reception and selective/soft combining requirements	approved	F	6.4.0	MBMS -RAN	R2
RP-050080	25.346	0013	-	6.3.0	Rel-6	Extending the counting procedure for UEs in CELL_PCH/FACH state and introducing UE initialised p-t-p setup request	approved	F	6.4.0	MBMS -RAN	R2
RP-050080	25.346	0015	-	6.3.0	Rel-6	Introduction of new procedures in MBMS stage 2 spec	approved	F	6.4.0	MBMS -RAN	R2
RP-050056	25.402	0046	-	6.1.0	Rel-6	Introduction of Fractional DPCH	approved	B	6.2.0	RAN: mp- RABS E- Code OptFD D	R3
RP-050057	25.413	0721	3	6.4.1	Rel-6	MBMS Session Repetition Number on Session Start	approved	F	6.5.0	MBMS -RAN	R3
RP-050057	25.413	0724	3	6.4.1	Rel-6	MBMS RAB Management	approved	F	6.5.0	MBMS -RAN	R3
RP-050052	25.413	0729	2	5.10.0	Rel-5	Essential Correction on Direct Transfer Messages	approved	F	5.11.0	TEI5	R3
RP-050052	25.413	0730	2	6.4.1	Rel-6	Essential Correction on Direct Transfer Messages	approved	A	6.5.0	TEI5	R3
RP-050052	25.413	0731	2	5.10.0	Rel-5	Correction of RANAP Containers and CRRM	approved	F	5.11.0	TEI5	R3
RP-050057	25.413	0734	-	6.4.1	Rel-6	MBMS Contexts	approved	F	6.5.0	MBMS -RAN	R3
RP-050057	25.413	0737	3	6.4.1	Rel-6	MBMS IE codings	approved	F	6.5.0	MBMS -RAN	R3
RP-050057	25.413	0738	-	6.4.1	Rel-6	MBMS Session Failure	approved	F	6.5.0	MBMS -RAN	R3
RP-050059	25.413	0739	2	6.4.1	Rel-6	Support of Network-initiated Scudif (revision of R3-041734)	approved	B	6.5.0	TEI6	R3
RP-050052	25.413	0740	1	6.4.1	Rel-6	Correction of RANAP Containers and CRRM	approved	A	6.5.0	TEI5	R3
RP-050052	25.415	0122	3	5.4.0	Rel-5	Negative Acknowledgement of Init procedure	approved	F	5.5.0	TEI5	R3
RP-050052	25.415	0123	2	6.1.0	Rel-6	Negative acknowledgment of Init procedure	approved	A	6.2.0	TEI5	R3
RP-050060	25.415	0124	1	6.1.0	Rel-6	Clarification of Initialisation and Rate Control for lu user plane version	revised	F		TEI6	R3
RP-050136	25.415	0124	3	6.1.0	Rel-6	Clarification of Initialisation and Rate Control for lu user plane version one	approved	F	6.2.0	TEI6	R3
RP-050056	25.420	0047	-	6.2.0	Rel-6	Introduction of Fractional DPCH	approved	B	6.3.0	RAN: mp- RABS E- Code OptFD D	R3
RP-050057	25.423	1021	3	6.4.1	Rel-6	Optimisation of MBMS channel type indication via lur	approved	F	6.5.0	MBMS -RAN	R3

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RP-050038	25.423	1022	1	3.14.2	R99	Removal of TGPL2	rejected	C		TEI	R3
RP-050038	25.423	1023	1	4.12.1	Rel-4	Removal of TGPL2	rejected	A		TEI	R3
RP-050038	25.423	1024	1	5.12.0	Rel-5	Removal of TGPL2	approved	A	5.13.0	TEI	R3
RP-050038	25.423	1025	1	6.4.1	Rel-6	Removal of TGPL2	approved	A	6.5.0	TEI	R3
RP-050053	25.423	1026	-	5.12.0	Rel-5	Wrong HS IE referenced	approved	F	5.13.0	HSDP A-	R3
RP-050053	25.423	1027	-	6.4.1	Rel-6	Wrong HS IE referenced	approved	A	6.5.0	HSDP A-	R3
RP-050054	25.423	1028	-	5.12.0	Rel-5	Measurement Power Offset IE procedure text missing	approved	F	5.13.0	TEI5 lublur	R3
RP-050054	25.423	1029	-	6.4.1	Rel-6	Measurement Power Offset IE procedure text missing	approved	A	6.5.0	TEI5	R3
RP-050058	25.423	1034	1	6.4.1	Rel-6	Correction of RNSAP E-DCH IEs	approved	F	6.5.0	EDCH -lurlub	R3
RP-050057	25.423	1035	2	6.4.1	Rel-6	MBMS Identifiers Retrieval	approved	F	6.5.0	MBMS -RAN	R3
RP-050056	25.423	1036	1	6.4.1	Rel-6	Introduction of Fractional DPCH	approved	B	6.5.0	RANi mp- RABS E- Code OptFD	R3
RP-050059	25.423	1037	-	6.4.1	Rel-6	Initial Radio Link Timing Adjustment	approved	B	6.5.0	TEI6	R3
RP-050053	25.423	1038	1	5.12.0	Rel-5	Clarification on HS-DSCH Information IE	approved	F	5.13.0	TEI5	R3
RP-050058	25.423	1039	-	6.4.1	Rel-6	EDCH RNSAP ASN.1	approved	F	6.5.0	EDCH -lurlub	R3
RP-050053	25.423	1040	-	5.12.0	Rel-5	Interaction between Synchronised RL Reconfiguration and RL Deletion	approved	F	5.13.0	TEI5	R3
RP-050053	25.423	1041	-	6.4.1	Rel-6	Interaction between Synchronised RL Reconfiguration and RL Deletion	approved	A	6.5.0	TEI5	R3
RP-050095	25.423	1042	2	6.4.1	Rel-6	Timing maintained hard HO	postponed	C		TEI6	R3
RP-050053	25.423	1043	-	6.4.1	Rel-6	Clarification on HS-DSCH Information IE	approved	A	6.5.0	TEI5	R3
RP-050054	25.427	0096	-	5.3.0	Rel-5	Reference for QE mapping is incorrect	approved	F	5.4.0	TEI5	R3
RP-050054	25.427	0097	-	6.1.0	Rel-6	Reference for QE mapping is incorrect	approved	A	6.2.0	TEI5	R3
RP-050121	25.427	0102	-	6.1.0	Rel-6	E-DCH Frame format update	revised	F		EDCH -lurlub	R3
RP-050137	25.427	0102	1	6.1.0	Rel-6	E-DCH Frame format update	approved	F	6.2.0	EDCH -lurlub	R3
RP-050056	25.430	0059	-	6.3.0	Rel-6	Introduction of Fractional DPCH	approved	B	6.4.0	RANi mp- RABS E- Code OptFD	R3
RP-050059	25.433	1068	-	6.4.0	Rel-6	Measurement Recovery Behavior in Dedicated Measurement Procedures	approved	F	6.5.0	TEI6	R3
RP-050054	25.433	1069	-	5.11.0	Rel-5	Availability Status reference correction	approved	F	5.12.0	TEI5	R3
RP-050054	25.433	1070	-	6.4.0	Rel-6	Availability Status reference correction	approved	A	6.5.0	TEI5	R3
RP-050038	25.433	1071	1	3.14.2	R99	Removal of TGPL2	rejected	A		TEI	R3
RP-050038	25.433	1072	1	4.13.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R3
RP-050038	25.433	1073	1	5.11.0	Rel-5	Removal of TGPL2	approved	C	5.12.0	TEI	R3

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RP-050038	25.433	1074	1	6.4.0	Rel-6	Removal of TGPL2	approved	A	6.5.0	TEI	R3
RP-050053	25.433	1075	-	5.11.0	Rel-5	Wrong HS IE referenced	approved	F	5.12.0	HSDP A- lublur	R3
RP-050053	25.433	1076	-	6.4.0	Rel-6	Wrong HS IE referenced	approved	A	6.5.0	HSDP A- lublur	R3
RP-050054	25.433	1077	-	5.11.0	Rel-5	Measurement Power Offset IE optionality at HS-DSCH setup	approved	F	5.12.0	TEI5	R3
RP-050054	25.433	1078	-	6.4.0	Rel-6	Measurement Power Offset IE optionality at HS-DSCH setup	approved	A	6.5.0	TEI5	R3
RP-050050	25.433	1080	1	6.4.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	approved	B	6.5.0	TEI6	R3
RP-050058	25.433	1081	2	6.4.0	Rel-6	E-DCH NBAP ASN.1	approved	F	6.5.0	EDCH -lurIub	R3
RP-050056	25.433	1082	1	6.4.0	Rel-6	Introduction of Fractional DPCH	approved	B	6.5.0	RANI mp- RABS E- Code OptFD D	R3
RP-050059	25.433	1083	-	6.4.0	Rel-6	Initial Radio Link Timing Adjustment	approved	B	6.5.0	TEI6	R3
RP-050053	25.433	1084	1	5.11.0	Rel-5	Clarification on HS-DSCH Information IE	approved	F	5.12.0	TEI5	R3
RP-050062	25.433	1085	2	6.4.0	Rel-6	HSDPA Code Allocation/Measurement per Cell Portion	approved	B	6.5.0	RANI mp- BFE	R3
RP-050053	25.433	1086	-	5.11.0	Rel-5	Interaction between Synchronised RL Reconfiguration and RL Deletion	approved	F	5.12.0	TEI5	R3
RP-050053	25.433	1087	-	6.4.0	Rel-6	Interaction between Synchronised RL Reconfiguration and RL Deletion	approved	A	6.5.0	TEI5	R3
RP-050095	25.433	1088	2	6.4.0	Rel-6	Timing maintained hard HO	postponed	C		TEI6	R3
RP-050053	25.433	1089	-	6.4.0	Rel-6	Clarification on HS-DSCH Information IE	approved	A	6.5.0	TEI5	R3
RP-050127	25.433	1090	1	6.4.0	Rel-6	Time alignment in MBMS transmission channels	revised	C		MBMS -RAIN	R3
RP-050148	25.433	1090	2	6.4.0	Rel-6	Time alignment in MBMS transmission channels	rejected	C		MBMS -RAIN	R3
RP-050055	25.453	0077	1	5.9.0	Rel-5	Corrections to descriptions of GPS Almanac and Ephemeris fields	approved	F	5.10.0	TEI5	R3
RP-050055	25.453	0078	1	6.7.0	Rel-6	Corrections to descriptions of GPS Almanac and Ephemeris fields	approved	A	6.8.0	TEI5	R3
RP-050061	25.460	0003	-	6.1.0	Rel-6	Editorial Corrections to 25.460 after RAN3#45	approved	D	6.2.0	RANI mp- TiltAnt	R3
RP-050061	25.461	0007	1	6.1.0	Rel-6	Minor Corrections and editorial changes to 25.461	approved	F	6.2.0	RANI mp- TiltAnt	R3
RP-050061	25.461	0008	1	6.1.0	Rel-6	Power consumption clarification of RET	approved	F	6.2.0	RANI mp- TiltAnt	R3
RP-050061	25.461	0009	-	6.1.0	Rel-6	Modem Operating Bands	approved	F	6.2.0	RANI mp- TiltAnt	R3
RP-050061	25.461	0010	-	6.1.0	Rel-6	Modem Return loss	approved	F	6.2.0	RANI mp- Tilt	R3

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RP-050061	25.461	0011	-	6.1.0	Rel-6	Modem Time Delay and Accuracy	approved	F	6.2.0	RANi-mp-Tilt	R3
RP-050061	25.461	0012	-	6.1.0	Rel-6	Modem Insertion Loss	approved	F	6.2.0	RANi-mp-Tilt	R3
RP-050061	25.462	0006	1	6.1.0	Rel-6	Editorial Corrections to 25.462 after RAN3#45	approved	D	6.2.0	RANi-mp-Tilt	R3
RP-050061	25.462	0007	1	6.1.0	Rel-6	Correction of definition of Secondary Payload Transmit/Receive Length	approved	F	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.462	0008	-	6.1.0	Rel-6	Clarification on HDLC Parameter Negotiation	approved	F	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.462	0011	1	6.1.0	Rel-6	Correction of address assignment example	approved	F	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.462	0013	-	6.1.0	Rel-6	Reset in transport layer	approved	C	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.462	0014	1	6.1.0	Rel-6	Clarification on unique ID and device scan	approved	C	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.463	0020	-	6.1.0	Rel-6	Wrong numbering in table 6.7.6.2	approved	D	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.463	0023	1	6.1.0	Rel-6	Editorial Corrections to 25.463 after RAN3#45	approved	D	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.463	0024	-	6.1.0	Rel-6	Minor Corrections to 25.463 after RAN3#45	approved	F	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.463	0025	2	6.1.0	Rel-6	Clarification on antenna movement during Set Tilt	approved	F	6.2.0	RANi-mp-TiltAnt	R3
RP-050061	25.463	0026	1	6.1.0	Rel-6	Redefinition of the Software Reset procedure	approved	C	6.2.0	RANi-mp-TiltAnt	R3
RP-050057	25.931	0025	1	6.0.0	Rel-6	Signalling flows for MBMS	approved	B	6.1.0	MBMS-RAN	R3
RP-050041	25.942	0018	-	6.3.0	Rel-6	Scenarios for UE Receiver Blocking Specification	approved	F	6.4.0	TEI6	R4
RP-050064	25.993	0036	-	6.8.0	Rel-6	Addition of asymmetric RAB-combinations with voice	approved	F	6.9.0	TEI6	R2
RP-050071	25.993	0037	-	6.8.0	Rel-6	AMR-WB reference RAB configurations	approved	F	6.9.0	TEI6	R2
SP-050092	26.140	0011	1	6.1.0	Rel-6	Introduction of PIM and DRM	revised	C		MMS6	S4
SP-050175	26.140	0011	2	6.1.0	Rel-6	Introduction of PIM and DRM in 26.140	approved	C	6.2.0	Codecs	S4

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SP-050098	26.141	0001	1	6.0.0	Rel-6	Editorial correction on missing IMS Presence UA text	approved	F	6.1.0	PRES NC- COFI MP	S4
SP-050093	26.234	0081	-	6.2.0	Rel-6	Correction to 26.234 NADU "NUN" field regarding MPEG4 Video	approved	F	6.3.0	PSSre I6- Stage 3	S4
SP-050093	26.234	0082	-	5.6.0	Rel-5	Correction of RDF schema for UAProf	approved	F	5.7.0	PSS-E	S4
SP-050093	26.234	0083	-	6.2.0	Rel-6	Correction of RDF schema for UAProf	approved	A	6.3.0	PSS-E	S4
SP-050093	26.234	0084	-	6.2.0	Rel-6	Correction of syntax and references	approved	F	6.3.0	PSSre I6- Stage 3	S4
SP-050097	26.235	0012	1	6.3.0	Rel-6	Correction of inconsistency regarding the maximum number of speech frames per RTP packets for PoC	approved	F	6.4.0	PoC	S4
SP-050099	26.235	0013	1	6.3.0	Rel-6	Correction of reference	approved	F	6.4.0	TEI6	S4
SP-050099	26.236	0014	1	5.5.0	Rel-5	Introduction of AMR SDP parameters	approved	F	5.6.0	AMR WB- I6- Stage 3	S4
SP-050099	26.236	0015	1	6.1.0	Rel-6	Introduction of AMR SDP parameters	approved	A	6.2.0	AMR WB- I6- Stage 3	S4
SP-050094	26.244	0008	1	6.2.0	Rel-6	Extended presentations in 3GP files for MBMS	approved	B	6.3.0	PSSre I6- Stage 3	S4
SP-050096	26.290	0005	1	6.1.0	Rel-6	Update for TCX coding mode selection table	approved	F	6.2.0	AMR- WB+	S4
SP-050096	26.304	0019	1	6.1.0	Rel-6	AMR-WB/AMR-WB+ switching	approved	F	6.2.0	AMR- WB+	S4
SP-050096	26.304	0020	2	6.1.0	Rel-6	Cleanup of unused C-code functions	approved	F	6.2.0	AMR- WB+	S4
SP-050096	26.304	0021	1	6.1.0	Rel-6	Correction of misbehaviour of constrained cholelsky	approved	F	6.2.0	AMR WB+	S4
SP-050096	26.304	0022	1	6.1.0	Rel-6	Source code bit exact editorial changes	approved	F	6.2.0	AMR WB+	S4
SP-050096	26.304	0023	2	6.1.0	Rel-6	Correction of last frame processing	approved	F	6.2.0	AMR WB+	S4
SP-050096	26.304	0024	1	6.1.0	Rel-6	Correction of frame erasure concealment	approved	F	6.2.0	AMR WB+	S4
SP-050096	26.304	0025	1	6.1.0	Rel-6	Correction of references and terminology	approved	F	6.2.0	AMR WB+	S4
SP-050095	26.401	0002	1	6.1.0	Rel-6	Correction to written specification: add missing reference to MPEG corrigendum	approved	F	6.2.0	PSSre I6	S4
SP-050095	26.405	0001	1	6.0.0	Rel-6	Correction to written specification: wrong formula on ICC parameter extraction	approved	F	6.1.0	PSSre I6	S4
SP-050095	26.410	0014	1	6.1.1	Rel-6	Correction to C-code: 3GPP file format wrong writing of brand	approved	F	6.2.0	PSSre I6	S4
SP-050095	26.410	0015	1	6.1.1	Rel-6	Correction to C-code: remove copyright notice from 3GPP file format header files	approved	F	6.2.0	PSSre I6	S4

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SP-050095	26.410	0016	1	6.1.1	Rel-6	Correction to C-code: add capability for 10 kbit/s, mono encoding	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0017	1	6.1.1	Rel-6	Correction to C-code: add capability for data stream element parsing	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0018	1	6.1.1	Rel-6	Correction to C-code: PNS decoding algorithm not conform to MPEG	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0019	1	6.1.1	Rel-6	Correction to C-code: the decoder mono only compile target not working correctly	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0020	1	6.1.1	Rel-6	Correction to C-code: PS-decoding with varying upper frequency border not working correctly	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0021	1	6.1.1	Rel-6	Correction to C-code: PS-decoding with variable framing not working correctly	approved	F	6.2.0	PSSre l6	S4
SP-050095	26.410	0022	-	6.1.1	Rel-6	Correction to written specification: move WMOPS numbers to informative Annex	approved	F	6.2.0	PSSre l6	S4
TP-050012	27.007	0131	-	6.7.0	Rel-6	Align time zone range of AT+CCLK (CLOCK)	approved	F	6.8.0	TEI	T2
TP-050012	27.007	0132	-	6.7.0	Rel-6	Illogical response in +CGDSCONT test command (REL 6)	approved	A	6.8.0	TEI5	T2
TP-050012	27.007	0133	-	5.5.0	Rel-5	Illogical response in +CGDSCONT test command (REL 5)	approved	F	5.6.0	TEI5	T2
NP-050057	29.002	0738	8	6.8.0	Rel-6	Rel-6 trace management additions to trace activation and deactivation procedures	approved	F	6.9.0	OAM-Trace	N4
NP-050056	29.002	0745	2	6.8.0	Rel-6	Introduction of Hop Counter for Send Identification	approved	B	6.9.0	TEI6	N4
NP-050057	29.002	0749	1	6.8.0	Rel-6	Management Based Activation Impacts	approved	B	6.9.0	OEM-TRAC	N4
NP-050040	29.002	0759	1	6.8.0	Rel-6	Addition of TCAP-Handshake for MO-ForwardSM	approved	C	6.9.0	TEI6	N4
NP-050052	29.002	0760	1	6.8.0	Rel-6	Subscribed Charging Characteristics	approved	F	6.9.0	TEI6	N4
NP-050054	29.002	0761	1	6.8.0	Rel-6	Addition of LAI to SendIdentification Request	approved	F	6.9.0	TEI6	N4
NP-050049	29.002	0763	2	6.8.0	Rel-6	Pseudonym indicator support in MO-LR	approved	F	6.9.0	LCS2	N4
NP-050098	29.007	0107	3	4.11.0	Rel-4	Nb transport for handover between UMTS and GSM	approved	F	4.12.0	CS Data	N3
NP-050099	29.007	0108	2	5.10.0	Rel-5	Nb transport for handover between UMTS and GSM	approved	F	5.11.0	CS Data	N3
NP-050099	29.007	0109	3	6.0.0	Rel-6	Nb transport for handover between UMTS and GSM	approved	A	6.1.0	CS Data	N3
NP-050056	29.010	0112	-	6.4.0	Rel-6	Correction of partly implemented CR 108	approved	F	6.5.0	TEI6	N4
NP-050084	29.018	0043	2	6.1.0	Rel-6	Management Based Activation Impacts	approved	B	6.2.0	OEM-Trace	N1
NP-050057	29.060	0470	7	6.7.0	Rel-6	Additional Trace information	approved	C	6.8.0	OAM-Trace	N4
NP-050135	29.060	0528	1	6.7.0	Rel-6	Clarification to error handling of IEs of type TV	approved	F	6.8.0	TEI6	N4
NP-050056	29.060	0529	1	6.7.0	Rel-6	Introduction of Hop Counter to Identification Request and SGSN Context Request	approved	B	6.8.0	TEI6	N4
NP-050052	29.060	0530	-	6.7.0	Rel-6	Update of references to PS charging specification	approved	F	6.8.0	TEI6	N4
NP-050044	29.060	0531	-	6.7.0	Rel-6	Providing the BM-SC with approximate UE location information at MBMS context activation	approved	F	6.8.0	MBMS	N4
NP-050033	29.060	0533	1	5.12.0	Rel-5	Add Source RNC PDCP context info IE in Forward SRNS Context message	approved	F	5.13.0	TEI5	N4
NP-050033	29.060	0534	1	6.7.0	Rel-6	Add Source RNC PDCP context info IE in Forward SRNS Context message	approved	A	6.8.0	TEI6	N4
NP-050052	29.060	0535	1	6.7.0	Rel-6	Clarification of IPv4 and IPv6 node addresses in the SRNS Relocation Procedure.	approved	F	6.8.0	TEI6	N4
NP-050052	29.060	0536	1	6.7.0	Rel-6	Support of IPv4 and IPv6 node addresses in Inter-SGSN RAU procedure	approved	F	6.8.0	TEI6	N4
NP-050052	29.060	0537	1	6.7.0	Rel-6	Add the Common Flags IE to GGSN-Initiated Update PDP Context Request message	approved	F	6.8.0	TEI6	N4

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NP-050050	29.060	0538	1	6.7.0	Rel-6	Addition of Selected PLMN-ID for network sharing	approved	B	6.8.0	NTSh ai- UTRA NE ^{nh}	N4
NP-050052	29.060	0539	-	6.7.0	Rel-6	Correction of Type values	approved	F	6.8.0	TEI6	N4
NP-050033	29.060	0540	1	6.7.0	Rel-6	Clarification of PCO IE in Update PDP context response	approved	A	6.8.0	TEI5	N4
NP-050033	29.060	0541	1	5.12.0	Rel-5	Clarification of PCO IE in Update PDP context response	approved	F	5.13.0	TEI5	N4
NP-050057	29.060	0543	1	6.7.0	Rel-6	Management Based Trace Activation Signalling	approved	B	6.8.0	OAM- Trace	N4
NP-050052	29.060	0544	-	6.7.0	Rel-6	Addition of RIM Routing Address for GERAN	approved	F	6.8.0	TEI6	N4
NP-050044	29.060	0546	1	6.7.0	Rel-6	Adding missing parameters to the MBMS Session Start Request message	approved	F	6.8.0	MBMS	N4
NP-050044	29.060	0547	1	6.7.0	Rel-6	Enhanced NSAPI for MBMS	approved	F	6.8.0	MBMS	N4
NP-050044	29.060	0549	-	6.7.0	Rel-6	Change of newly added IEs in Rel-6 to type TLV	approved	F	6.8.0	MBMS	N4
NP-050052	29.060	0550	-	6.7.0	Rel-6	Correction to Radio Priority LCS IE	approved	F	6.8.0	TEI6	N4
NP-050108	29.061	0141	-	6.3.1	Rel-6	Adding the TMGI to the Session Start message	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0142	1	6.3.1	Rel-6	Adding list of downstream nodes in the Session Start message	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0143	1	6.3.1	Rel-6	Various corrections of Gmb	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0144	-	6.3.1	Rel-6	Adding in the 2G/3G indicator to the Session Start message	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0145	2	6.3.1	Rel-6	Adding the MBMS session id to the Gmb Session Start message	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0146	1	6.3.1	Rel-6	Adding the multicast address and the APN to the Gmb Session Start message	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0147	-	6.3.1	Rel-6	Text correction and multiple MBMS-Service-Area	approved	F	6.4.0	MBMS	N3
NP-050108	29.061	0148	1	6.3.1	Rel-6	Providing the BM-SC with approximate UE location information at MBMS context activation.	approved	F	6.4.0	MBMS	N3
NP-050102	29.061	0155	1	6.3.1	Rel-6	Update of IETF related references	approved	F	6.4.0	TEI6	N3
NP-050107	29.061	0157	1	6.3.1	Rel-6	Pk Interface	approved	B	6.4.0	PRES NC	N3
NP-050108	29.061	0158	1	6.3.1	Rel-6	Indefinite MBMS session duration	approved	F	6.4.0	MBMS	N3
NP-050041	29.109	0010	-	6.1.1	Rel-6	GAA Error Codes	approved	C	6.2.0	SEC1- SC	N4
NP-050041	29.109	0011	-	6.1.1	Rel-6	Only one AV from HSS to BSF	approved	F	6.2.0	SEC1- SC	N4
NP-050041	29.109	0012	-	6.1.1	Rel-6	Clarification of LifeTime/ExpiryTime terminology	approved	F	6.2.0	SEC1- SC	N4
NP-050041	29.109	0013	1	6.1.1	Rel-6	Application identifiers to Z-interfaces	approved	F	6.2.0	SEC1- SC	N4
NP-050041	29.109	0014	1	6.1.1	Rel-6	Modification of key lifetime material	approved	C	6.2.0	SEC1- SC	N4
NP-050105	29.163	0060	1	6.5.0	Rel-6	Corrections to AMR codec parameters	approved	F	6.6.0	IMS- CCR- IWCS	N3
NP-050020	29.198- 03	0129	-	6.3.1	Rel-6	Add TpServiceTypeName for Multimedia Messaging SCF	approved	F	6.4.0	OSA3	N5
NP-050021	29.199- 01	0001	-	6.0.0	Rel-6	Add common fault for Short Messaging and Multimedia Messaging APIs	approved	C	6.1.0	OSA3	N5
NP-050021	29.199- 01	0002	-	6.0.0	Rel-6	Introduce cross- reference to ETSI TISPAN TRs, that define an informative mapping of the Parlay X Web Services to the Parlay/OSA APIs	approved	F	6.1.0	OSA3	N5
NP-050021	29.199- 04	0003	-	6.1.0	Rel-6	Correct criteria	approved	C	6.2.0	OSA3	N5
NP-050021	29.199- 04	0004	-	6.1.0	Rel-6	Fix StopSMSNotification message part	approved	F	6.2.0	OSA3	N5

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NP-050021	29.199-05	0002	-	6.1.0	Rel-6	Correct criteria	approved	C	6.2.0	OSA3	N5
NP-050021	29.199-05	0003	-	6.1.0	Rel-6	Fix StopMessageNotification message part	approved	F	6.2.0	OSA3	N5
NP-050106	29.207	0150	3	6.2.0	Rel-6	Clarification on charging identifier(s) exchange.	approved	F	6.3.0	QoS1	N3
NP-050103	29.208	0095	1	6.2.1	Rel-6	Essential clarification of the Scope for call flows	approved	F	6.3.0	E2EQ OS	N3
NP-050103	29.208	0097	1	6.2.1	Rel-6	Change of port number	approved	F	6.3.0	E2EQ OS	N3
NP-050106	29.209	0011	-	6.1.0	Rel-6	Correction to Specific-Action AVP terminology	approved	F	6.2.0	QoS1	N3
NP-050106	29.209	0012	3	6.1.0	Rel-6	Clarification on charging identifier(s) exchange.	approved	F	6.2.0	QoS1	N3
NP-050114	29.209	0013	3	6.1.0	Rel-6	Specific Action AVP update	approved	F	6.2.0	CH-FBC	N3
NP-050109	29.210	0001	3	6.0.0	Rel-6	Extend the Rule Name uniqueness to the whole system	approved	F	6.1.0	CH-FBC	N3
NP-050109	29.210	0003	2	6.0.0	Rel-6	Clarification on the use of the application-ids on NOT_APPLICABLE notifications	approved	F	6.1.0	CH-FBC	N3
NP-050109	29.210	0005	1	6.0.0	Rel-6	Clarifications for Indication of Bearer Termination	approved	F	6.1.0	CH-FBC	N3
NP-050109	29.210	0006	3	6.0.0	Rel-6	TFT filter clarifications	approved	F	6.1.0	CH-FBC	N3
NP-050109	29.210	0007	2	6.0.0	Rel-6	Correction of AF Definition	approved	F	6.1.0	CH-FBC	N3
NP-050109	29.210	0009	2	6.0.0	Rel-6	RAT Type AVP definition	approved	F	6.1.0	CH-FBC	N3
NP-050030	29.228	0165	-	5.10.0	Rel-5	Avoiding undesired deregistration	approved	F	5.11.0	IMS-CCR	N4
NP-050030	29.228	0166	-	6.5.0	Rel-6	Avoiding undesired deregistration	approved	A	6.6.0	IMS-CCR	N4
NP-050030	29.228	0167	1	5.10.0	Rel-5	Correction to authentication procedures in not registered case	approved	F	5.11.0	IMS-CCR	N4
NP-050030	29.228	0168	1	6.5.0	Rel-6	Correction to authentication procedures in not registered case	approved	A	6.6.0	IMS-CCR	N4
NP-050037	29.228	0170	3	6.5.0	Rel-6	Clarification of Behaviour of Shared Public User Identities	approved	F	6.6.0	IMS2-CCR	N4
NP-050037	29.228	0172	-	6.5.0	Rel-6	Distribution of Cipher key and integrity Key	approved	F	6.6.0	IMS2-CCR	N4
NP-050030	29.228	0177	-	5.10.0	Rel-5	HSS initiated deregistration using the network initiated de-registration procedure	approved	F	5.11.0	IMS-CCR	N4
NP-050030	29.229	0077	2	5.9.0	Rel-5	Correction of Authentication-related AVPs	approved	F	5.10.0	IMS-CCR	N4
NP-050030	29.229	0078	2	6.3.0	Rel-6	Correction of Authentication-related AVPs	approved	A	6.4.0	IMS-CCR	N4
NP-050037	29.229	0079	-	6.3.0	Rel-6	TEL-URI reference update	approved	F	6.4.0	IMS2-CCR	N4
NP-050030	29.229	0081	1	5.9.0	Rel-5	Introduction of Failed AVP	approved	F	5.10.0	IMS-CCR	N4
NP-050030	29.229	0082	1	6.3.0	Rel-6	Introduction of Failed AVP	approved	A	6.4.0	IMS-CCR	N4
NP-050047	29.230	0040	1	6.2.0	Rel-6	WLAN Diameter AVP and result codes	approved	F	6.3.0	WLAN	N4

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NP-050039	29.230	0043	-	6.2.0	Rel-6	Allocations for Gx interface	approved	F	6.3.0	TEI6	N4
NP-050039	29.230	0045	-	6.2.0	Rel-6	Allocations for Gmb	approved	F	6.3.0	IMS2-CCR	N4
NP-050039	29.230	0046	-	6.2.0	Rel-6	Allocation of Diameter Command Codes and AVP codes	approved	F	6.3.0	IMS2-CCR	N4
NP-050057	29.232	0060	7	6.0.0	Rel-6	Addition of the Trace package	approved	B	6.1.0	OAM-Trace	N4
NP-050036	29.232	0086	5	5.9.0	Rel-5	Use Of Audit Value	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0087	4	5.9.0	Rel-5	Service Change for Failover not defined for Mc Interface	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0089	3	5.9.0	Rel-5	Commands on ROOT	approved	F	5.10.0	TEI5	N4
NP-050029	29.232	0096	-	4.10.0	Rel-4	Corrections to table 14.2	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0097	-	5.9.0	Rel-5	Corrections to table 14.2	approved	A	5.10.0	TEI4	N4
NP-050029	29.232	0098	-	6.0.0	Rel-6	Corrections to table 14.2	approved	A	6.1.0	TEI4	N4
NP-050029	29.232	0099	1	4.10.0	Rel-4	Requirements for support of H.248 packages	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0100	1	5.9.0	Rel-5	Requirements for support of H.248 packages	approved	F	5.10.0	TEI5	N4
NP-050029	29.232	0101	1	6.0.0	Rel-6	Requirements for support of H.248 packages	approved	A	6.1.0	TEI5	N4
NP-050029	29.232	0102	-	4.10.0	Rel-4	Completion of specification of UMTS Packages	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0103	1	5.9.0	Rel-5	Completion of specification of UMTS Packages	approved	F	5.10.0	TEI5	N4
NP-050029	29.232	0104	1	6.0.0	Rel-6	Completion of specification of UMTS Packages	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0105	-	5.9.0	Rel-5	Completion of specification of UMTS Packages	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0106	-	5.9.0	Rel-5	Correction of implied option for Embedded Signals and Events	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0107	-	6.0.0	Rel-6	Correction of implied option for Embedded Signals and Events	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0108	2	5.9.0	Rel-5	Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0109	2	6.0.0	Rel-6	Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0110	1	5.9.0	Rel-5	Removal of the usage of the ContextAttributeAuditReq construct	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0111	1	6.0.0	Rel-6	Removal of the usage of the ContextAttributeAuditReq construct	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0112	-	5.9.0	Rel-5	Removal of the Multiplex descriptor	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0113	-	6.0.0	Rel-6	Removal of the Multiplex descriptor	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0114	-	5.9.0	Rel-5	Removal of the Modem descriptor	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0115	-	6.0.0	Rel-6	Removal of the Modem descriptor	approved	A	6.1.0	TEI5	N4
NP-050029	29.232	0118	2	4.10.0	Rel-4	Requirements for support of procedures	revised	F		TEI4	N4
NP-050129	29.232	0118	3	4.10.0	Rel-4	Requirements for support of procedures	revised	F		TEI4	N4
NP-050133	29.232	0118	4	4.10.0	Rel-4	Requirements for support of procedures	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0119	2	5.9.0	Rel-5	Requirements for support of procedures	revised	A		TEI4	N4
NP-050129	29.232	0119	3	5.9.0	Rel-5	Requirements for support of procedures	revised	A		TEI4	N4
NP-050133	29.232	0119	4	5.9.0	Rel-5	Requirements for support of procedures	approved	F	5.10.0	TEI4	N4
NP-050029	29.232	0120	2	6.0.0	Rel-6	Requirements for support of procedures	revised	A		TEI4	N4
NP-050129	29.232	0120	3	6.0.0	Rel-6	Requirements for support of procedures	revised	A		TEI4	N4
NP-050133	29.232	0120	4	6.0.0	Rel-6	Requirements for support of procedures	approved	A	6.1.0	TEI4	N4
NP-050034	29.232	0121	2	5.9.0	Rel-5	Procedure for Emergency Call Indication	approved	F	5.10.0	TEI5	N4
NP-050034	29.232	0122	2	6.0.0	Rel-6	Procedure for Emergency Call Indication	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0127	-	5.9.0	Rel-5	Removal of the Error Descriptor usage in NotifyRequest	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0128	-	6.0.0	Rel-6	Removal of the Error Descriptor usage in NotifyRequest	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0129	-	5.9.0	Rel-5	Updating incomplete parameter definition for MGW Resource congestion handling procedures	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0130	-	6.0.0	Rel-6	Updating incomplete parameter definition for MGW Resource congestion handling procedures	approved	A	6.1.0	TEI5	N4
NP-050055	29.232	0131	-	6.0.0	Rel-6	Removal of Signals on ROOT	approved	F	6.1.0	TEI6	N4
NP-050055	29.232	0132	-	6.0.0	Rel-6	Removal of Signals on ROOT	approved	F	6.1.0	TEI6	N4
NP-050055	29.232	0133	-	6.0.0	Rel-6	Removal of usage of Stream ID in Topology descriptor	approved	F	6.1.0	TEI6	N4
NP-050036	29.232	0134	-	5.9.0	Rel-5	H.248.1 version contradiction	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0135	-	6.0.0	Rel-6	Directionality of tones and announcements	approved	F	6.1.0	TEI5	N4
NP-050036	29.232	0135	-	6.0.0	Rel-6	Directionality of tones and announcements	approved	A	6.1.0	TEI5	N4

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NP-050053	29.232	0138	1	6.0.0	Rel-6	New 'TFO status' event	approved	F	6.1.0	TEI6	N4
NP-050028	29.232	0139	1	6.0.0	Rel-6	TFO procedure clarification	approved	A	6.1.0	OuBT C	N4
NP-050028	29.232	0140	1	4.10.0	Rel-4	TFO activation without TFO Codec List	approved	F	4.11.0	OoBT C	N4
NP-050028	29.232	0141	1	5.9.0	Rel-5	TFO activation without TFO Codec List	approved	A	5.10.0	OoBT C	N4
NP-050028	29.232	0142	1	6.0.0	Rel-6	TFO activation without TFO Codec List	approved	A	6.1.0	OoBT C	N4
NP-050036	29.232	0148	1	6.0.0	Rel-6	Commands on ROOT	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0149	1	6.0.0	Rel-6	Use Of Audit Value	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0150	-	5.9.0	Rel-5	Service Change Reasons	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0151	-	6.0.0	Rel-6	Service Change Reasons	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0154	1	5.9.0	Rel-5	Descriptors In Replies	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0155	1	6.0.0	Rel-6	Descriptors In Replies	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0156	1	5.9.0	Rel-5	Introduction of formal profile name for Mc interface	approved	F	5.10.0	TEI5	N4
NP-050036	29.232	0157	1	6.0.0	Rel-6	Introduction of formal profile name for Mc interface	approved	A	6.1.0	TEI5	N4
NP-050036	29.232	0158	-	6.0.0	Rel-6	Service Change for Failover not defined for Mc Interface	approved	A	6.1.0	TEI5	N4
NP-050029	29.232	0159	-	4.10.0	Rel-4	VPF Type Removal	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0160	-	5.9.0	Rel-5	VPF Type Removal	approved	A	5.10.0	TEI4	N4
NP-050029	29.232	0161	-	6.0.0	Rel-6	VPF Type Removal	approved	A	6.1.0	TEI4	N4
NP-050029	29.232	0162	-	4.10.0	Rel-4	Alignment of TFO Activation Procedure and associated parameters	approved	F	4.11.0	TEI4	N4
NP-050029	29.232	0163	-	5.9.0	Rel-5	Alignment of TFO Activation Procedure and associated parameters	approved	A	5.10.0	TEI4	N4
NP-050029	29.232	0164	-	6.0.0	Rel-6	Alignment of TFO Activation Procedure and associated parameters	approved	A	6.1.0	TEI4	N4
NP-050055	29.232	0165	2	6.0.0	Rel-6	Continuity Test	approved	F	6.1.0	TEI6	N4
NP-050028	29.232	0166	-	4.10.0	Rel-4	TFO procedure clarification	approved	F	4.11.0	OuBT C	N4
NP-050028	29.232	0167	-	5.9.0	Rel-5	TFO procedure clarification	approved	A	5.10.0	OuBT C	N4
NP-050047	29.234	0030	1	6.1.0	Rel-6	Removal of material duplicating 23.234 in 29.234	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0031	-	6.1.0	Rel-6	Removal of Wn reference point Definition from the Stage 3	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0032	-	6.1.0	Rel-6	Wa Interface RADIUS profile corrections	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0033	-	6.1.0	Rel-6	Wd Interface RADIUS profile corrections	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0034	1	6.1.0	Rel-6	Removal of unnecessary attributes on Wa	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0035	-	6.1.0	Rel-6	Information Element corrections on Wd	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0037	1	6.1.0	Rel-6	Editorial corrections	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0038	1	6.1.0	Rel-6	Description of the RADIUS session termination procedure	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0039	1	6.1.0	Rel-6	WLAN Diameter AVP and result codes	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0041	1	6.1.0	Rel-6	WLAN Diameter AVP table and chapters coherence revision	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0042	2	6.1.0	Rel-6	PDG behaviour on Wm interface	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0043	-	6.1.0	Rel-6	Editorial corrections	approved	F	6.2.0	WLAN	N4
NP-050047	29.234	0047	1	6.1.0	Rel-6	Wa Interface RADIUS profile Information Element corrections	approved	F	6.2.0	WLAN	N4
NP-050032	29.278	0048	1	5.3.0	Rel-5	Correction of IETF Reference in TS 29.278	approved	F	5.4.0	EDCa mel	N4
NP-050032	29.278	0049	1	6.0.0	Rel-6	Correction of IETF Reference in TS 29.278	approved	A	6.1.0	EDCa mel	N4
NP-050031	29.328	0098	3	5.8.0	Rel-5	Sh-Update needs to include Data-Reference to be future proof	approved	F	5.9.0	IMS- CCR	N4

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NP-050031	29.328	0099	5	6.4.0	Rel-6	Sh-Update needs to include Data-Reference to be future proof	approved	A	6.5.0	IMS-CCR	N4
NP-050038	29.328	0111	1	6.4.0	Rel-6	Clarification on requested identity set	approved	F	6.5.0	IMS2-CCR	N4
NP-050031	29.328	0112	-	5.8.0	Rel-5	Align UML Model and the XML schema for Public Identity	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.328	0113	-	6.4.0	Rel-6	Align UML Model and the XML schema for Public Identity	approved	A	6.5.0	IMS-CCR	N4
NP-050031	29.328	0115	1	5.8.0	Rel-5	Conditional Service indication in Sh-Subs-Notif	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.328	0116	1	6.4.0	Rel-6	Conditional Service indication in Sh-Subs-Notif	approved	A	6.5.0	IMS-CCR	N4
NP-050031	29.328	0117	-	5.8.0	Rel-5	Sh Diameter AVP Mapping Correction	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.328	0118	-	6.4.0	Rel-6	Sh Diameter AVP Mapping Correction	approved	A	6.5.0	IMS-CCR	N4
NP-050031	29.328	0120	2	5.8.0	Rel-5	Clarification of Sh Access Keys	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.328	0121	2	6.4.0	Rel-6	Clarification of Sh Access Keys	approved	A	6.5.0	IMS-CCR	N4
NP-050038	29.328	0122	2	6.4.0	Rel-6	Multiple Terminals in Sh	approved	C	6.5.0	IMS2-CCR	N4
NP-050031	29.329	0056	1	5.8.0	Rel-5	Introduction of Failed AVP	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.329	0057	1	6.3.0	Rel-6	Introduction of Failed AVP	approved	A	6.4.0	IMS-CCR	N4
NP-050031	29.329	0063	-	5.8.0	Rel-5	Sh-Update needs to include Data-Reference to be future proof	approved	F	5.9.0	IMS-CCR	N4
NP-050031	29.329	0064	-	6.3.0	Rel-6	Sh-Update needs to include Data-Reference to be future proof	approved	A	6.4.0	IMS-CCR	N4
NP-050031	29.329	0065	-	5.8.0	Rel-5	Incorrect AVP Code for Public-Identity in Table 6.3.1	approved	F	5.9.0	IMS-CCR	N4
NP-050045	29.332	0001	1	6.0.0	Rel-6	Formal Profile Of Mn Interface	approved	B	6.1.0	TEI6	N4
NP-050045	29.332	0002	2	6.0.0	Rel-6	Corrections to Mn Specification	approved	F	6.1.0	TEI6	N4
TP-050018	31.102	0250	2	6.8.0	Rel-6	Enable multiple Terminal Profile downloads in UST	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0260	-	5.11.0	Rel-5	Correction of example MMS Issuer/User Connectivity Parameters	approved	F	5.12.0	TEI5	T3
TP-050018	31.102	0261	-	6.8.0	Rel-6	Background colours not unique	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0262	-	5.11.0	Rel-5	Oddities Service Numbers in EF_UST	approved	F	5.12.0	TEI5	T3
TP-050018	31.102	0263	1	6.8.0	Rel-6	Correction due to inclusion of EHPLMN in wrong release	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0264	1	6.9.0	Rel-7	Correction to overcome IMSI number space limitation – inclusion of EHPLMN	approved	F	7.0.0	TEI7	T3
TP-050018	31.102	0265	-	6.8.0	Rel-6	Completion of GBA_U-related procedures	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0266	-	6.8.0	Rel-6	Storage of NAF-keys identifiers in GBA_U	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0267	-	6.8.0	Rel-6	VGCS/VBS security - alignment with 43.020	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0268	-	6.8.0	Rel-6	MBMS security - alignment with TS 33.246	approved	F	6.9.0	TEI6	T3
TP-050018	31.102	0269	-	6.9.0	Rel-7	Clarification on ADM access condition	withdrawn	F		TEI7	T3
TP-050018	31.102	0270	-	6.8.0	Rel-6	Collection of essential corrections	approved	F	6.9.0	TEI6	T3
TP-050019	31.103	0022	-	6.6.0	Rel-6	Reservation of file IDs under ADF ISIM	approved	A	6.7.0	TEI5	T3
TP-050019	31.103	0023	-	5.8.0	Rel-5	Reservation of file IDs under ADF ISIM	approved	F	5.9.0	TEI5	T3
TP-050019	31.103	0024	-	6.6.0	Rel-6	Completion of GBA_U-related procedures	approved	F	6.7.0	TEI6	T3
TP-050019	31.103	0025	-	6.6.0	Rel-6	Storage of NAF-keys identifiers in GBA_U	approved	F	6.7.0	TEI6	T3

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TP-050020	31.111	0128	2	6.4.0	Rel-6	Clarification of Terminal Profile procedure	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0132	-	6.4.0	Rel-6	Correction of incomplete references	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0133	-	6.4.0	Rel-6	Correction of structure of RETRIEVE MM command	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0134	-	6.4.0	Rel-6	Mandatory Address in Envelope(SMS-PP DOWNLOAD)	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0135	-	6.4.0	Rel-6	correction of Terminal Profile for MIM commands	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0136	-	4.13.0	Rel-4	Correction of OCI usage in conjunction with SETUP CALL	approved	F	4.14.0	TEI4	T3
TP-050020	31.111	0137	-	6.4.0	Rel-6	Notification Handling for MMS Management by USAT	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0138	-	6.4.0	Rel-6	Inclusion of missing chapters	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0139	-	6.4.0	Rel-6	Clarification of a bit reserved for ETSI SCP in Terminal Profile	approved	F	6.5.0	TEI6	T3
TP-050020	31.111	0140	-	4.13.0	Rel-4	Correction of missing Terminal Response information	approved	F	4.14.0	TEI4	T3
TP-050020	31.111	0141	-	5.8.0	Rel-5	Correction of missing Terminal Response information	approved	A	5.9.0	TEI4	T3
TP-050020	31.111	0142	-	6.4.0	Rel-6	Correction of missing Terminal Response information	approved	A	6.5.0	TEI4	T3
TP-050021	31.116	0008	-	6.6.0	Rel-6	Correction of reference to TS 102226	approved	F	6.7.0	TEI6	T3
TP-050021	31.116	0009	-	6.6.0	Rel-6	USIM specific behaviour for PUSH mechanism using SMS-PP	approved	F	6.7.0	TEI6	T3
TP-050022	31.121	0047	-	3.11.0	R99	Correction of Operator controlled PLMN selector handling tests	approved	F	3.12.0	TEI	T3
TP-050022	31.121	0048	-	4.10.0	Rel-4	Correction of Operator controlled PLMN selector handling tests	approved	A	4.11.0	TEI	T3
TP-050022	31.121	0049	-	5.0.1	Rel-5	Correction of Operator controlled PLMN selector handling tests	approved	A	5.1.0	TEI	T3
TP-050022	31.121	0050	-	3.11.0	R99	Correction to the 'Maximum frequency of ACM updating' test	approved	F	3.12.0	TEI	T3
TP-050022	31.121	0051	-	4.10.0	Rel-4	Correction to the 'Maximum frequency of ACM updating' test	approved	A	4.11.0	TEI	T3
TP-050022	31.121	0052	-	5.0.1	Rel-5	Correction to the 'Maximum frequency of ACM updating' test	approved	A	5.1.0	TEI	T3
TP-050022	31.121	0053	-	3.11.0	R99	Correction of verification of EF PSLOCi in section 7 "PLMN related tests";	approved	F	3.12.0	TEI	T3
TP-050022	31.121	0054	-	4.10.0	Rel-4	Correction of verification of EF PSLOCi in section 7 "PLMN related tests";	approved	A	4.11.0	TEI	T3
TP-050022	31.121	0055	-	5.0.1	Rel-5	Correction of verification of EF PSLOCi in section 7 "PLMN related tests";	approved	A	5.1.0	TEI	T3
TP-050022	31.121	0056	-	3.11.0	R99	Correction of HPLMN Search Period tests	approved	F	3.12.0	TEI	T3
TP-050022	31.121	0057	-	4.10.0	Rel-4	Correction of HPLMN Search Period tests	approved	A	4.11.0	TEI	T3
TP-050022	31.121	0058	-	5.0.1	Rel-5	Correction of HPLMN Search Period tests	approved	A	5.1.0	TEI	T3
TP-050023	31.130	0007	-	6.1.0	Rel-6	Correct the event types in Toolkit Constant from byte to short	approved	F	6.2.0	TEI6	T3
TP-050023	31.130	0008	-	6.1.0	Rel-6	Handle of SMS PP answer	approved	F	6.2.0	TEI6	T3
TP-050023	31.130	0009	-	6.2.0	Rel-7	Allow passing of specified status words through the (U)SAT Framework	approved	B	7.0.0	TEI7	T3
TP-050024	31.900	0016	-	6.0.0	Rel-6	Additional USIM Support for 2G Terminals of R99 and Rel-4	approved	F	6.1.0	TEI6	T3
SP-050021	32.111-2	0038	-	3.3.0	R99	Inclusion of additional event types for duplicate probable causes	approved	F	3.4.0	OAM-NIM	S5
SP-050021	32.111-2	0039	-	4.7.0	Rel-4	Inclusion of additional event types for duplicate probable causes	approved	A	4.8.0	OAM-NIM	S5
SP-050021	32.111-2	0040	-	5.5.0	Rel-5	Inclusion of additional event types for duplicate probable causes	approved	A	5.6.0	OAM-NIM	S5
SP-050021	32.111-2	0041	-	6.3.0	Rel-6	Inclusion of additional event types for duplicate probable causes	approved	A	6.4.0	OAM-NIM	S5
SP-050021	32.111-2	0042	-	6.3.0	Rel-6	Add vendorSpecificAlarmType attribute in alarm information table and notifyNewAlarm	approved	C	6.4.0	OAM-NIM	S5
SP-050021	32.111-3	0038	-	6.1.0	Rel-6	IDL non-compliant to the style guide	approved	F	6.2.0	OAM-NIM	S5
SP-050021	32.111-3	0039	-	6.1.0	Rel-6	Align notifyAckStateChanged parameters mapping table with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM	S5
SP-050021	32.111-3	0040	-	6.1.0	Rel-6	Add vendor specific AlarmType attribute in alarm IRP CORBA Solution Set - Align with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM	S5
SP-050021	32.111-3	0041	-	6.1.0	Rel-6	Add definitions in IDLs - Align with the IS (TS 32.111-2)	approved	F	6.2.0	OAM-NIM	S5

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SP-050021	32.111-3	0042	-	5.5.1	Rel-5	Update the IS-SS relationship in the Alarm IRP CORBA SS	approved	F	5.6.0	OAM-NIM	S5
SP-050021	32.111-3	0043	-	6.1.0	Rel-6	Update the IS-SS relationship in the Alarm IRP CORBA SS	approved	F	6.2.0	OAM-NIM	S5
SP-050021	32.111-4	0030	-	5.8.0	Rel-5	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	approved	F	5.9.0	OAM-NIM	S5
SP-050021	32.111-4	0031	-	6.3.0	Rel-6	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	approved	A	6.4.0	OAM-NIM	S5
SP-050023	32.151	0001	-	6.0.0	Rel-6	Address 3GPP2 Liaison point 8 from tdoc S5-048704 to have a common notifications section	approved	C	6.1.0	OAM-NIM	S5
SP-050023	32.152	0002	-	6.1.0	Rel-6	Add "abstract" adornment	approved	F	6.2.0	OAM-NIM	S5
SP-050024	32.172	0001	-	6.0.0	Rel-6	Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM	S5
SP-050024	32.172	0002	-	6.0.0	Rel-6	Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM	S5
SP-050024	32.172	0003	-	6.0.0	Rel-6	Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)	approved	F	6.1.0	SuM	S5
SP-050026	32.200	0029	-	5.7.0	Rel-5	Correction of Inter Operator Identification (IO) Storage – Align with CN4's TS 24.229 (IP multimedia call control protocol based on SIP and Session Description Protocol (SDP); Stage 3)	approved	F	5.8.0	OAM-CH	S5
SP-050026	32.205	0028	-	4.7.0	Rel-4	Correction to ASN.1 for data services	approved	F	4.8.0	OAM-CH	S5
SP-050026	32.205	0029	-	5.8.0	Rel-5	Correction to ASN.1 for data services	approved	A	5.9.0	OAM-CH	S5
SP-050027	32.215	0037	-	5.7.0	Rel-5	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	approved	F	5.8.0	OAM-CH	S5
SP-050030	32.225	0032	-	5.7.0	Rel-5	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	F	5.8.0	OAM-CH	S5
SP-050030	32.225	0033	-	5.7.0	Rel-5	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs – Align with SA2's TS 23.228	approved	F	5.8.0	OAM-CH	S5
SP-050029	32.240	0001	-	6.0.0	Rel-6	Correction of editorial errors and misalignments	approved	F	6.1.0	CH	S5
SP-050029	32.240	0002	-	6.0.0	Rel-6	Error corrections & clarifications	approved	F	6.1.0	CH	S5
SP-050029	32.240	0003	-	6.0.0	Rel-6	Correction of Credit Pooling for online charging	approved	F	6.1.0	CH	S5
SP-050029	32.240	0004	-	6.0.0	Rel-6	Correction of the concept of Termination action	approved	B	6.1.0	CH	S5
SP-050027	32.251	0003	-	6.1.0	Rel-6	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	approved	A	6.2.0	OAM-CH	S5
SP-050027	32.251	0004	-	6.1.0	Rel-6	Correction of online charging terminology	approved	F	6.2.0	CH	S5
SP-050027	32.251	0005	-	6.1.0	Rel-6	Correct support of Termination action	approved	F	6.2.0	CH	S5
SP-050027	32.251	0006	-	6.1.0	Rel-6	Addition of online charging CCR triggers – Align with TS 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	approved	F	6.2.0	CH	S5
SP-050027	32.251	0007	-	6.1.0	Rel-6	Correct FBC Service Data Flow (SDF) determination with charging rules to align with SA2's TS 23.125 and CN3's TS 29.210	approved	F	6.2.0	CH	S5
SP-050027	32.251	0008	-	6.1.0	Rel-6	Correction of Service Data Flow (SDF) specific usage duration in flow based charging	approved	F	6.2.0	CH	S5
SP-050027	32.251	0009	-	6.1.0	Rel-6	Correction of the description of Charging Key – Align with SA2's 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	approved	F	6.2.0	CH	S5
SP-050030	32.260	0001	-	6.0.0	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	A	6.1.0	OAM-CH	S5
SP-050030	32.260	0002	-	6.0.0	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs - Align with SA2's TS 23.228	approved	A	6.1.0	OAM-CH	S5
SP-050030	32.260	0003	-	6.0.0	Rel-6	Correction of table 5.1: "addition of reporting of 2xx/3xx events"	approved	F	6.1.0	CH	S5
SP-050031	32.270	0004	-	6.1.0	Rel-6	Align MM10 charging functionality with T2's TS 23.140	approved	F	6.2.0	CH	S5

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SP-050031	32.270	0005	-	6.1.0	Rel-6	Charge MMS VASP for getting Terminal Capabilities information - Align with T2's TS 23.140	approved	F	6.2.0	CH	S5
SP-050031	32.270	0006	-	6.1.0	Rel-6	Correct condition for generating a MM Deletion CDR - Align with T2's TS 23.140	approved	F	6.2.0	CH	S5
SP-050031	32.270	0007	-	6.1.0	Rel-6	Extension of the charging functionality for MM cancellation and replacement Align with T2's TS 23.140	approved	F	6.2.0	CH	S5
SP-050030	32.299	0006	-	6.1.0	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	approved	A	6.2.0	OAM-CH	S5
SP-050030	32.299	0007	-	6.1.0	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the Diameter Accounting messages - Align with SA2's TS 23.228	approved	A	6.2.0	OAM-CH	S5
SP-050030	32.299	0008	-	6.1.0	Rel-6	Correct the description of Charging Key	approved	F	6.2.0	CH	S5
SP-050030	32.299	0009	-	6.1.0	Rel-6	Correction of Termination action	approved	B	6.2.0	CH	S5
SP-050030	32.299	0010	-	6.1.0	Rel-6	Correction of missing Quota-Consumption-Time	approved	F	6.2.0	CH	S5
SP-050030	32.299	0011	-	6.1.0	Rel-6	Correction of cause code for 2xx events	approved	F	6.2.0	CH	S5
SP-050030	32.299	0012	-	6.1.0	Rel-6	Correction of missing cause code to distinguishing deregistration charging event	approved	F	6.2.0	CH	S5
SP-050030	32.299	0013	-	6.1.0	Rel-6	Correction to Session Charging with Unit Reservation (SCUR)	approved	F	6.2.0	CH	S5
SP-050030	32.299	0014	-	6.1.0	Rel-6	Correction to Server-Capabilities AVP	approved	F	6.2.0	CH	S5
SP-050030	32.299	0015	-	6.1.0	Rel-6	Correction on Tariff Switch handling	approved	F	6.2.0	CH	S5
SP-050049	32.300	0004	-	6.0.0	Rel-6	Re-introduce text erroneously deleted during implementation of CR 003	approved	F	6.1.0	OAM-NIM	S5
SP-050035	32.302	0008	-	6.1.0	Rel-6	Apply Generic System Context	approved	F	6.2.0	OAM-NIM	S5
SP-050035	32.303	0014	-	6.2.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.3.0	OAM-NIM	S5
SP-050035	32.304	0009	-	6.0.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM	S5
SP-050035	32.323	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM	S5
SP-050037	32.341	0001	-	6.0.0	Rel-6	Add file type requirements - Align with FTIRP IS in TS 32.342	approved	F	6.1.0	OAM-NIM	S5
SP-050037	32.343	0002	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM	S5
SP-050179	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	approved	F	6.1.0	OAM-NIM	S5
SP-050038	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	withdrawn	F		OAM-NIM	S5
SP-050178	32.352	0001	-	6.0.0	Rel-6	Apply Generic System Context – Align with TS 32.150	withdrawn	F		OAM-NIM	S5
SP-050179	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	approved	F	6.2.0	OAM-NIM	S5
SP-050178	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	withdrawn	F		OAM-NIM	S5
SP-050038	32.353	0002	-	6.1.0	Rel-6	Apply Generic System Context – Align with TS 32.352	withdrawn	F		OAM-NIM	S5
SP-050038	32.353	0002	-	6.1.0	Rel-6	IDL in compliant to the style guide	withdrawn	F		OAM-NIM	S5
SP-050178	32.353	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	withdrawn	F		OAM-NIM	S5
SP-050179	32.353	0003	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM	S5
SP-050039	32.363	0003	-	6.2.0	Rel-6	IDL in compliant to the style guide	approved	F	6.3.0	OAM-NIM	S5

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SP-050039	32.363	0004	-	6.2.0	Rel-6	Align EPIRPSYSTEM IDL structure with TS 32.150	approved	F	6.3.0	OAM-NIM	S5
SP-050040	32.401	0023	-	5.4.0	Rel-5	Resolve ambiguity in the format for timestamps in PM files	approved	F	5.5.0	OAM-PM	S5
SP-050040	32.403	0057	-	4.9.0	Rel-4	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	F	4.10.0	OAM-PM	S5
SP-050040	32.403	0058	-	5.9.0	Rel-5	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	A	5.10.0	OAM-PM	S5
SP-050040	32.403	0059	-	6.6.0	Rel-6	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	approved	A	6.7.0	OAM-PM	S5
SP-050040	32.403	0060	-	6.6.0	Rel-6	Add measurements on Number of GTP data packets sent and received on the Gn interface, from SGSN to SGSN	approved	B	6.7.0	OAM-PM	S5
SP-050041	32.412	0009	-	6.3.0	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP	approved	F	6.4.0	OAM-PM	S5
SP-050041	32.412	0010	-	6.3.0	Rel-6	Apply the Generic System Context – Align with TS 32.150	approved	F	6.4.0	OAM-NIM	S5
SP-050041	32.413	0005	-	6.3.0	Rel-6	IDL incompatible to the style guide	approved	F	6.4.0	OAM-NIM	S5
SP-050041	32.413	0006	-	6.3.0	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP – Align with TS 32.412	approved	F	6.4.0	OAM-PM	S5
SP-050041	32.413	0007	-	6.3.0	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.412	approved	F	6.4.0	OAM-NIM	S5
SP-050043	32.421	0007	-	6.5.0	Rel-6	Remove ambiguity on the file format for trace data at the Network Elements (NEs)	approved	F	6.6.0	OAM-Trace	S5
SP-050043	32.421	0008	-	6.5.0	Rel-6	Correction to the Scope	approved	F	6.6.0	OAM-Trace	S5
SP-050043	32.421	0009	-	6.5.0	Rel-6	Correct the list of interfaces trace parameter – Align with 32.422 and 32.423	approved	F	6.6.0	OAM-Trace	S5
SP-050043	32.422	0003	-	6.1.0	Rel-6	Clarification on starting/stopping a Trace Recording Session in an RNC	approved	F	6.2.0	OAM-Trace	S5
SP-050043	32.422	0004	-	6.1.0	Rel-6	Removal of Vendor Specific (VS) extensions from Trace control and configuration parameters	approved	F	6.2.0	OAM-Trace	S5
SP-050043	32.422	0005	-	6.1.0	Rel-6	Correct the list of interfaces trace parameter	approved	F	6.2.0	OAM-Trace	S5
SP-050043	32.422	0006	-	6.1.0	Rel-6	Clarify the Trace Session activation in CS/PS domain for SBA and MBA cases	approved	F	6.2.0	OAM-Trace	S5
SP-050043	32.423	0001	-	6.0.0	Rel-6	Add missing Media GateWay (MGW) trace record for the Nb-UP and Lu-UP interfaces	approved	F	6.1.0	OAM-Trace	S5
SP-050040	32.432	0001	-	6.0.0	Rel-6	Resolve ambiguity in the format for timestamps in PM files	approved	A	6.1.0	OAM-PM	S5
SP-050044	32.602	0008	-	6.0.0	Rel-6	Apply Generic System Context	approved	F	6.1.0	OAM-NIM	S5
SP-050044	32.603	0016	-	6.2.0	Rel-6	IDL incompatible to the style guide	approved	F	6.3.0	OAM-NIM	S5
SP-050044	32.603	0017	-	6.2.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.3.0	OAM-NIM	S5
SP-050044	32.604	0005	-	6.0.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM	S5
SP-050045	32.612	0013	-	6.1.0	Rel-6	Apply Generic System Context	approved	F	6.2.0	OAM-NIM	S5

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SP-050045	32.612	0014	-	6.1.0	Rel-6	Add missing reference to TS 32.712 Transport Network NRM	approved	F	6.2.0	OAM-NIM	S5
SP-050045	32.612	0015	-	6.1.0	Rel-6	Correct Annex B text style to comply with drafting rules	approved	F	6.2.0	OAM-NIM	S5
SP-050045	32.613	0013	-	6.1.0	Rel-6	IDL in compliant to the style guide	approved	F	6.2.0	OAM-NIM	S5
SP-050045	32.613	0014	-	6.1.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.2.0	OAM-NIM	S5
SP-050045	32.614	0005	-	6.0.1	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.1.0	OAM-NIM	S5
SP-050045	32.615	0019	-	6.1.0	Rel-6	Generic System Context, update of reference to IS specification	approved	F	6.2.0	OAM-NIM	S5
SP-050045	32.615	0020	-	6.1.0	Rel-6	Add Inventory Management NRM IRP in BulkCM IRP XML FFD	approved	F	6.2.0	OAM-NIM	S5
SP-050046	32.622	0022	-	6.3.0	Rel-6	Add Link class to generic NRM Information Service	approved	B	6.4.0	OAM-NIM	S5
SP-050046	32.623	0015	-	6.3.0	Rel-6	Add Link to generic NRM CORBA SS	approved	B	6.4.0	OAM-NIM	S5
SP-050046	32.625	0014	-	6.3.0	Rel-6	Add genericNRM.xsd for new IMS Links	approved	B	6.4.0	OAM-NIM	S5
SP-050046	32.625	0015	-	5.4.0	Rel-5	Error corrections to genericNRM.xsd	approved	F	5.5.0	OAM-NIM	S5
SP-050046	32.625	0016	-	6.3.0	Rel-6	Error corrections to genericNRM.xsd	approved	A	6.4.0	OAM-NIM	S5
SP-050047	32.632	0014	-	5.6.0	Rel-5	Align with 32.642, with regards to ExternalRncFunction	approved	F	5.7.0	OAM-NIM	S5
SP-050047	32.632	0015	-	5.6.0	Rel-5	Align with 32.102, regarding the IS template and UML repertoire	approved	F	5.7.0	OAM-NIM	S5
SP-050047	32.632	0016	-	6.1.0	Rel-6	Align with 32.151 and 32.152, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM	S5
SP-050047	32.632	0017	-	6.1.0	Rel-6	Add IMS Links to CN NRM Information Service	approved	B	6.2.0	OAM-NIM	S5
SP-050047	32.633	0009	-	5.2.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.3.0	OAM-NIM	S5
SP-050047	32.633	0010	-	6.1.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM	S5
SP-050047	32.633	0011	-	5.2.0	Rel-5	Correct List of Long Attributes	approved	F	5.3.0	OAM-NIM	S5
SP-050047	32.633	0012	-	6.1.0	Rel-6	Correct List of Long Attributes	approved	A	6.2.0	OAM-NIM	S5
SP-050047	32.633	0013	-	6.1.0	Rel-6	Add IMS links to CN NRM CORBA SS	approved	B	6.2.0	OAM-NIM	S5
SP-050047	32.634	0007	-	5.3.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.4.0	OAM-NIM	S5
SP-050047	32.634	0008	-	5.3.0	Rel-5	Align with 32.632, with regards to ExternalRncFunction	approved	F	5.4.0	OAM-NIM	S5
SP-050047	32.634	0009	-	6.0.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.1.0	OAM-NIM	S5
SP-050047	32.634	0010	-	6.0.0	Rel-6	Add the IMS objects - Align with 32.632 Configuration Management (CM); Core Network Resources IRP NRM	approved	F	6.1.0	OAM-NIM	S5

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SP-050047	32.635	0009	-	5.4.0	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	approved	F	5.5.0	OAM-NIM	S5
SP-050047	32.635	0010	-	6.1.0	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	approved	A	6.2.0	OAM-NIM	S5
SP-050047	32.635	0012	-	5.4.0	Rel-5	Correction to SgsnFunction XML and correct IS reference	approved	F	5.5.0	OAM-NIM	S5
SP-050047	32.635	0013	-	6.1.0	Rel-6	Correction to SgsnFunction XML, correct IS reference and Editorial corrections	approved	A	6.2.0	OAM-NIM	S5
SP-050048	32.642	0030	-	4.4.0	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	F	4.5.0	OAM-CM	S5
SP-050048	32.642	0031	-	5.5.0	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	5.6.0	OAM-CM	S5
SP-050048	32.642	0032	-	6.3.0	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	6.4.0	OAM-CM	S5
SP-050048	32.642	0033	-	6.3.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.4.0	OAM-NIM	S5
SP-050048	32.642	0034	-	6.3.0	Rel-6	Amendments to UTRAN NRM for RET	approved	F	6.4.0	OAM-NIM	S5
SP-050048	32.643	0019	-	4.3.0	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	F	4.4.0	OAM-CM	S5
SP-050048	32.643	0020	-	5.4.0	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	5.5.0	OAM-CM	S5
SP-050048	32.643	0021	-	6.3.0	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	approved	A	6.4.0	OAM-CM	S5
SP-050048	32.643	0022	-	6.3.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.4.0	OAM-NIM	S5
SP-050048	32.643	0023	-	6.3.0	Rel-6	Corrections to UTRAN NRM CORBA Solutions set mapping errors	approved	F	6.4.0	OAM-NIM	S5
SP-050048	32.644	0016	-	6.0.0	Rel-6	Add RET support – Align with 32.642 Configuration Management UTRAN network resources IRP NRM	approved	F	6.1.0	OAM-NIM	S5
SP-050048	32.645	0019	-	6.2.0	Rel-6	RET corrections to ultranRM.xsd	approved	F	6.3.0	OAM-NIM	S5
SP-050048	32.645	0020	-	6.2.0	Rel-6	Add missing definition of IOC ExternalRncFunction	approved	F	6.3.0	OAM-NIM	S5
SP-050050	32.663	0012	-	6.3.0	Rel-6	IDL incompatible to the style guide	approved	F	6.4.0	OAM-NIM	S5
SP-050051	32.672	0001	-	6.0.0	Rel-6	Remove the irrelevant clause 4	approved	F	6.1.0	OAM-NIM	S5
SP-050051	32.673	0005	-	6.1.0	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.672	approved	F	6.2.0	OAM-NIM	S5
SP-050052	32.715	0001	-	6.0.0	Rel-6	"Unbounded" is not a valid value for "maxInclusive" for type Integer - Correction of XML schema	approved	F	6.1.0	OAM-NIM	S5
SP-050048	32.804	0001	-	6.0.0	Rel-6	Remove irrelevant requirements to RET	approved	F	6.1.0	OAM-NIM	S5
SP-050125	33.108	0069	-	6.8.2	Rel-7	Aligning comments in National-HI3-ASN1 parameters with comments in National-HI2-ASN1 parameters	approved	D	7.0.0	SEC1-LI	S3
SP-050138	33.200	0024	-	6.0.0	Rel-6	Correct specification of addresses used in TCAP-Handshake	approved	F	6.1.0	SEC1-MAP	S3
SP-050138	33.200	0025	1	6.0.0	Rel-6	Addition of TCAP-Handshake for MO-ForwardSM	approved	C	6.1.0	SEC1-MAP	S3

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SP-050138	33.200	0026	1	6.0.0	Rel-6	Improving the robustness of the TCAP handshake mechanism	approved	F	6.1.0	SEC1-S3	S3
SP-050137	33.203	0077	3	6.5.0	Rel-6	Addition of reference to early IMS security TR	approved	F	6.6.0	IMS-EARLY	S3
SP-050139	33.220	0045	2	6.3.0	Rel-6	Key derivation function: character encoding	approved	C	6.4.0	SEC1-S3	S3
SP-050139	33.220	0047	1	6.3.0	Rel-6	Bootstrapping timestamp	approved	C	6.4.0	SEC1-S3	S3
SP-050139	33.220	0048	-	6.3.0	Rel-6	Storage of B-TID in GBA_U NAF Derivation procedure	approved	F	6.4.0	SEC1-S3	S3
SP-050141	33.222	0015	3	6.2.0	Rel-6	Keeping PSK TLS in 3GPP Rel-6	approved	F	6.3.0	SEC1-S3	S3
SP-050141	33.222	0016	1	6.2.0	Rel-6	Clarification to TS 33.222	approved	F	6.3.0	SEC1-S3	S3
SP-050141	33.222	0017	2	6.2.0	Rel-6	Clarify the GBA requirements for https supporting applications at Ua reference point	revised	F		GBA-SSC	S3
SP-050166	33.222	0017	3	6.2.0	Rel-6	Clarify the GBA requirements for https supporting applications at Ua reference point	approved	F	6.3.0	GBA-SSC	S3
SP-050142	33.234	0051	-	6.3.0	Rel-6	Wu Reference Point Description	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0052	1	6.3.0	Rel-6	Replacing PDGW with PDG	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0055	1	6.3.0	Rel-6	Clarification on EAP-AKA(SIM) description in 3GPP IP access authentication and authorization	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0056	2	6.3.0	Rel-6	Threat of users accessing each other in link layer and corresponding security requirements of user traffic segregation	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0057	1	6.3.0	Rel-6	Clarifying the status that can't be changed in the security requirement of WLAN-UE split	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0058	2	6.3.0	Rel-6	WLAN AN providing protection against IP address spoofing	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0059	1	6.3.0	Rel-6	Clarification on the handling of simultaneous sessions	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0060	2	6.3.0	Rel-6	Removal of editors' notes	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0061	1	6.3.0	Rel-6	Detecting the start of a WLAN Direct IP Access session based on Wa/Wd Accounting Messages	approved	F	6.4.0	WLAN S3	S3
SP-050142	33.234	0063	1	6.3.0	Rel-6	Using OCSF to Check Validity of PDG Certificate in 3GPP IP Access	approved	F	6.4.0	WLAN S3	S3
SP-050143	33.246	0034	2	6.1.0	Rel-6	Storing SP payload after MSK message is verified	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0035	1	6.1.0	Rel-6	ME based MBMS key derivation for ME based MBMS key management	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0037	1	6.1.0	Rel-6	Correct the MSK verification message handling	approved	F	6.2.0	MBMS S3	S3
SP-050143	33.246	0038	2	6.1.0	Rel-6	Clarify MUK key synchronisation for MSK push procedure	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0039	-	6.1.0	Rel-6	Add missing parts of CR33 (SA3#36)	approved	F	6.2.0	MBMS S3	S3
SP-050143	33.246	0042	-	6.1.0	Rel-6	Annex D1: correction of the description of the GBA run	approved	F	6.2.0	MBMS S3	S3
SP-050143	33.246	0043	1	6.1.0	Rel-6	Alignment according to MIKEY related IETF work	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0044	1	6.1.0	Rel-6	Clarification of HTTP procedures	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0045	1	6.1.0	Rel-6	Usage of security policy payload	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0047	1	6.1.0	Rel-6	Clarification of MSK and MTK procedures	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0049	2	6.1.0	Rel-6	MGV-F functionality related to MTK-ID upper limit	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0051	1	6.1.0	Rel-6	Using the term "MBMS User Service" instead of "multicast"	approved	D	6.2.0	MBMS S3	S3
SP-050143	33.246	0052	1	6.1.0	Rel-6	Introduction of BM-SC subfunctions	approved	D	6.2.0	MBMS S3	S3
SP-050143	33.246	0053	-	6.1.0	Rel-6	Removing IDi from MTK message	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0054	2	6.1.0	Rel-6	MBMS download protection details	approved	C	6.2.0	MBMS S3	S3
SP-050143	33.246	0055	1	6.1.0	Rel-6	Removal of editors' notes	approved	F	6.2.0	MBMS S3	S3
SP-050143	33.246	0056	-	6.1.0	Rel-6	Protection of MBMS Service Announcement sent over MBMS bearer	approved	D	6.2.0	MBMS S3	S3
SP-050143	33.246	0057	-	6.1.0	Rel-6	Introduction of missing abbreviation, Symbols and definitions	approved	C	6.2.0	MBMS S3	S3
SP-050140	33.919	0003	-	6.1.0	Rel-6	Correct the "Application guidelines to use GAA"	approved	F	6.2.0	GAA	S3

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TP-050032	34.108	0382	-	5.3.0	Rel-5	Updates from core specification changes	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0383	-	5.3.0	Rel-5	Correction to Hand over test procedure in CELL_DCH	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0384	-	5.3.0	Rel-5	CR to 34.108: Changes to test frequencies for UMTS 850 Band	approved	B	5.4.0	TEI	T1
TP-050032	34.108	0385	-	5.3.0	Rel-5	Correction to default SIB configurations	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0386	-	5.3.0	Rel-5	Editorial corrections in HSDPA RAB configurations 6.10.2.4.5.2 and 6.10.2.4.5.4.	approved	D	5.4.0	TEI	T1
TP-050032	34.108	0387	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Update to the contents of PHYSICAL CHANNEL RECONFIGURATION message for 1.28 Mcps TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0388	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Update to the contents of TRANSPORT CHANNEL RECONFIGURATION message for 1.28 Mcps TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0389	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Update to the contents of RRC CONNECTION REQUEST message for TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0390	-	5.3.0	Rel-5	Correction to the HSDPA RB Identity in Radio Bearer Setup & Radio Bearer Release message contents	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0391	-	5.3.0	Rel-5	CR to TS 34.108 v5.3.0 - Correction to Default RADIO BEARER RELEASE message (FDD)	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0392	-	5.3.0	Rel-5	Addition of reference radio bearer configuration for MAC-hs testing	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0393	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Update to the contents of RRC CONNECTION REQUEST message for TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0394	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Update to the contents of Default System Information Block Messages for TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0395	-	5.3.0	Rel-5	CR to 34.108 Rel-5: Add the contents of SIB 5 & 6 for HCR TDD	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0396	-	5.3.0	Rel-5	Correction to TFCs ordering	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0397	-	5.3.0	Rel-5	Addition of GPS scenario and A-GPS assistance data values for signalling tests to 34.108	approved	F	5.4.0	TEI	T1
TP-050032	34.108	0398	-	5.3.0	Rel-5	CR to TS34.108 Rel-5: Correction to the physical channel parameters (Revision of T1-050176)	approved	F	5.4.0	TEI	T1
TP-050033	34.121	0479	-	5.6.0	Rel-6	Change of test method and test time optimization in TC 8.7.3A	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0480	-	5.6.0	Rel-6	Corrections to RRM test case 8.4.3.1 "Transport format combination selection in UE"	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0481	-	5.6.0	Rel-6	lor value correction for RRM test case, 8.6.2.1	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0482	-	5.6.0	Rel-6	Removal of editorial notes from TC 8.7.3C	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0483	-	5.6.0	Rel-6	Invalid MAC header for downlink dummy DCCH (mandatory)	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0484	-	5.6.0	Rel-6	Correction to RRC CONNECTION SETUP and RB SETUP messages for TX diversity	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0485	-	5.6.0	Rel-6	Correction to CPICH_Ec/Io in 8.6.1.3	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0486	-	5.6.0	Rel-6	Correction to "Read SFN indicator" in Measurement Control Messages	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0487	-	5.6.0	Rel-6	Table E.3.4 Correction	approved	D	6.0.0	TEI	T1
TP-050033	34.121	0488	-	5.6.0	Rel-6	Addition of 25.212 to reference list	approved	D	6.0.0	TEI	T1
TP-050033	34.121	0489	-	5.6.0	Rel-6	Addition of fading case 8 for HSDPA testing	approved	D	6.0.0	TEI	T1
TP-050033	34.121	0490	-	5.6.0	Rel-6	Measurement configuration setup information	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0491	-	5.6.0	Rel-6	Addition of uncertainties and test tolerances to TC 7.7.3	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0492	-	5.6.0	Rel-6	Omission of test points in 6.5. Blocking Characteristics	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0493	-	5.6.0	Rel-6	CR to 34.121: Changes to 7.12: Detection of Acquisition Indicator	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0494	-	5.6.0	Rel-6	CR to 34.121: Changes to 8.6.1.2 Event triggered reporting of multiple neighbours in AWGN propagation condition (R99)	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0495	-	5.6.0	Rel-6	Deletion of Target quality value on DTCH in Clause 8.7.3C UE transmitted power	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0496	-	5.6.0	Rel-6	Clarification of reference value for T Reconfirm Abort Parameter in Inter-Rat Test Case 8.3.4	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0497	-	5.6.0	Rel-6	Clarification of RRM TC 8.2.3	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0498	-	5.6.0	Rel-6	Correction to "Reporting cell status" in Measurement Control Messages	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0499	-	5.6.0	Rel-6	Correction to 8.3.1	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0500	-	5.6.0	Rel-6	Correction to MEASUREMENT REPORT message in Annex I	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0501	-	5.6.0	Rel-6	Removal of Rel-5 specific reference to TS 25.101	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0502	-	5.6.0	Rel-6	Test tolerances for Test 9.2.2 Open loop diversity performance and 9.2.3 Closed loop diversity performance	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0503	-	5.6.0	Rel-6	CR to 34.121: Changes to Annex D and Annex H to introduce UMTS 850 Band	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0504	-	5.6.0	Rel-6	Correction of 34.121 Power vs. Time diagrams	approved	F	6.0.0	TEI	T1

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TP-050033	34.121	0505	-	5.6.0	Rel-6	Clarification for Test Case 7.9	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0506	-	5.6.0	Rel-6	Correction to OCNS value in 8.7.2.2	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0508	-	5.6.0	Rel-6	Level Definition HS_SCCH_1 and DPCCH for Test 9.2.2 Open loop diversity performance And Test 9.2.3 Closed loop diversity performance	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0509	-	5.6.0	Rel-6	Changes to Annex I to harmonise System Information scheduling for RRM test cases.	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0510	-	5.6.0	Rel-6	Level Definition HS_SCCH_1 and DPCCH for Test 9.2.1 Single link performance	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0511	-	5.6.0	Rel-6	Correction to TS34.121 TC 8.4.2	approved	D	6.0.0	TEI	T1
TP-050033	34.121	0512	-	5.6.0	Rel-6	Correction to the event triggered reporting test cases	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0513	-	5.6.0	Rel-6	Corrections to reporting of CQI	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0514	-	5.6.0	Rel-6	Correction to H Set-4/5 pattern length	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0515	-	5.6.0	Rel-6	Corrections to detection of HS-SCCH	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0516	-	5.6.0	Rel-6	CR to 34.121 section 5: Introduction of test case for Adjacent Channel Leakage Power Ratio with HS-DPCCH	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0517	-	5.6.0	Rel-6	CR to 34.121 section 5: Introduction of new test case for HSDPA: UE max output power with HS-DPCCH	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0518	-	5.6.0	Rel-6	CR to 34.121 section 5: Introduction of new test case for Error Vector Magnitude with HS-DPCCH	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0519	-	5.6.0	Rel-6	CR to 34.121 section 5: Introduction of a new test case for spectrum emission mask with HS-DPCCH	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0520	-	5.6.0	Rel-6	CR to 34.121: Changes to RRM test cases for introduction of UMTS 850 Band	approved	B	6.0.0	TEI	T1
TP-050033	34.121	0521	-	5.6.0	Rel-6	Corrections to maximum input level for HS-PDSCH reception	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0522	-	5.6.0	Rel-6	Corrections to TC 8.5.1 UE transmit timing	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0523	-	5.6.0	Rel-6	Corrections to demodulation of HS-DSCH	approved	F	6.0.0	TEI	T1
TP-050033	34.121	0524	-	5.6.0	Rel-5	Replacement of technical contents of version 5 by pointer to version 6.	approved	D	5.7.0	TEI	T1
TP-050034	34.123-1	1040	-	5.10.0	Rel-5	Modification of SIB5 content for 18.2.5.2a.1 and Addition of Specific Message Content for Radio Bearer Setup message in section 18.2.5.2a.	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1040	-	5.10.0	Rel-5	Modification of SIB5 content for 18.2.5.2a.1 and Addition of Specific Message Content for Radio Bearer Setup message in section 18.2.5.2a.	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1041	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.19 (Revision of T1-050046, T1-050291)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1041	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.19 (Revision of T1-050046, T1-050291)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1042	-	5.10.0	Rel-5	CR to 34.123-1 R5: New GMM test case for verification of follow-on request pending indicator.	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1042	-	5.10.0	Rel-5	CR to 34.123-1 R5: New GMM test case for verification of follow-on request pending indicator.	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1043	-	5.10.0	Rel-5	Corrections to A-GPS test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1043	-	5.10.0	Rel-5	Corrections to A-GPS test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1044	-	5.10.0	Rel-5	Addition of GPS scenario and A-GPS assistance data to 34.123	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1044	-	5.10.0	Rel-5	Addition of GPS scenario and A-GPS assistance data to 34.123	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1045	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.10	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1045	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.10	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1046	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4a	revised	F	5.11.0	TEI	T1

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TP-050052	34.123-1046	1046	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4a	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1047	1047	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4d Proc 1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1047	1047	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4d Proc 1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1048	1048	-	5.10.0	Rel-5	Correction to Package 4 RRC test case 8.1.3.5	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1048	1048	-	5.10.0	Rel-5	Correction to Package 4 RRC test case 8.1.3.5	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1049	1049	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.3.4.3	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1049	1049	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.3.4.3	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1050	1050	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 9.4.3.5	approved	D	5.11.0	TEI	T1
TP-050034	34.123-1050	1050	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 9.4.3.5	revised	D	5.11.0	TEI	T1
TP-050034	34.123-1051	1051	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.4.1.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1051	1051	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.4.1.1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1052	1052	-	5.10.0	Rel-5	Correction to Package 3 RRC test case 8.4.1.37	revised	D	5.11.0	TEI	T1
TP-050052	34.123-1052	1052	-	5.10.0	Rel-5	Correction to Package 3 RRC test case 8.4.1.37	approved	D	5.11.0	TEI	T1
TP-050034	34.123-1053	1053	-	5.10.0	Rel-5	Correction to Package 3 RRC test case 8.1.2.10	revised	D	5.11.0	TEI	T1
TP-050052	34.123-1053	1053	-	5.10.0	Rel-5	Correction to Package 3 RRC test case 8.1.2.10	approved	D	5.11.0	TEI	T1
TP-050052	34.123-1054	1054	-	5.10.0	Rel-5	Correction to GCF P4 RRC 8.3.1.18	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1054	1054	-	5.10.0	Rel-5	Correction to GCF P4 RRC 8.3.1.18	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1055	1055	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.1.2.2	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1055	1055	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.1.2.2	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1056	1056	-	5.10.0	Rel-5	Correction to Package 4 RRC test case 8.4.1.26	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1056	1056	-	5.10.0	Rel-5	Correction to Package 4 RRC test case 8.4.1.26	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1057	1057	-	5.10.0	Rel-5	Correction to default contents of System Information Block 3 and 4 for Idle Mode test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1057	1057	-	5.10.0	Rel-5	Correction to default contents of System Information Block 3 and 4 for Idle Mode test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1058	1058	-	5.10.0	Rel-5	Correction to GCF P4 IR_U 8.3.7.5	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1058	1058	-	5.10.0	Rel-5	Correction to GCF P4 IR_U 8.3.7.5	revised	F	5.11.0	TEI	T1

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TP-050034	34.123-1	1059	-	5.10.0	Rel-5	Correction to Package 2 MultirAT GMM test case 12.8	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1059	-	5.10.0	Rel-5	Correction to Package 2 MultirAT GMM test case 12.8	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1060	-	5.10.0	Rel-5	Correction to Package 4 RAB test case 14.4.2a	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1060	-	5.10.0	Rel-5	Correction to Package 4 RAB test case 14.4.2a	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1061	-	5.10.0	Rel-5	Correction to NAS GMM test cases 12.4.2.6.1 and 12.4.2.6.2 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1061	-	5.10.0	Rel-5	Correction to NAS GMM test cases 12.4.2.6.1 and 12.4.2.6.2 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1062	-	5.10.0	Rel-5	Correction to P3 RRC test cases 8.4.1.40	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1062	-	5.10.0	Rel-5	Correction to P3 RRC test cases 8.4.1.40	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1063	-	5.10.0	Rel-5	Correction of USIM HPLMN information in idle mode test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1063	-	5.10.0	Rel-5	Correction of USIM HPLMN information in idle mode test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1064	-	5.10.0	Rel-5	Correction of 'Test requirements' in high priority test case 14.2.32.2 (GCF WI -12) and in low priority test cases 14.2.31.1, 14.2.31.2, 14.2.35.1 and 14.2.35.2.	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1064	-	5.10.0	Rel-5	Correction of 'Test requirements' in high priority test case 14.2.32.2 (GCF WI -12) and in low priority test cases 14.2.31.1, 14.2.31.2, 14.2.35.1 and 14.2.35.2.	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1065	-	5.10.0	Rel-5	Corrections to GCF P3 test cases 14.2.51.1, 14.2.51a.1, 14.2.51b.1 and to low priority test cases 14.2.38d, 14.2.51a.2, 14.2.51b.2	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1065	-	5.10.0	Rel-5	Corrections to GCF P3 test cases 14.2.51.1, 14.2.51a.1, 14.2.51b.1 and to low priority test cases 14.2.38d, 14.2.51a.2, 14.2.51b.2	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1066	-	5.10.0	Rel-5	Correction to RAB test case 14.2.34.1 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1066	-	5.10.0	Rel-5	Correction to RAB test case 14.2.34.1 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1067	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_2A for TDD	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1067	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_2A for TDD	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1068	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_4A for TDD	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1068	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_4A for TDD	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1069	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_6A for TDD	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1069	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_6A for TDD	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1070	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_8A for TDD	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1070	-	5.10.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_8A for TDD	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1071	-	5.10.0	Rel-5	Corrections to Package 4 RRC test case 8.1.2.3 & Package 1 RRC test case 8.1.2.9	revised	F	5.11.0	TEI	T1

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TP-050052	34.123-1	1071	-	5.10.0	Rel-5	Corrections to Package 4 RRC test case 8.1.2.3 & Package 1 RRC test case 8.1.2.9	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1072	-	5.10.0	Rel-5	Corrections to HSDPA RRC test cases 8.2.2.36, 8.2.2.37 & 8.2.2.38	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1072	-	5.10.0	Rel-5	Corrections to HSDPA RRC test cases 8.2.2.36, 8.2.2.37 & 8.2.2.38	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1073	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.9.7c	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1073	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.9.7c	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1074	-	5.10.0	Rel-5	Editorial correction to P1 GMM test case 12.9.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1074	-	5.10.0	Rel-5	Editorial correction to P1 GMM test case 12.9.1	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1075	-	5.10.0	Rel-5	Correction to Package 2 MAC test case 7.1.3.1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1075	-	5.10.0	Rel-5	Correction to Package 2 MAC test case 7.1.3.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1076	-	5.10.0	Rel-5	Correction to Radio Bearer Setup used for RLC testing	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1076	-	5.10.0	Rel-5	Correction to Radio Bearer Setup used for RLC testing	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1077	-	5.10.0	Rel-5	Correction to MAC test cases 7.1.3.2	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1077	-	5.10.0	Rel-5	Correction to MAC test cases 7.1.3.2	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1078	-	5.10.0	Rel-5	Correction to MAC-hs test cases 7.1.5.2	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1078	-	5.10.0	Rel-5	Correction to MAC-hs test cases 7.1.5.2	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1079	-	5.10.0	Rel-5	Correction to GCF low priority RRC test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1079	-	5.10.0	Rel-5	Correction to GCF low priority RRC test cases	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1080	-	5.10.0	Rel-5	Correction to GCF high priority (WI-010) RRC test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1080	-	5.10.0	Rel-5	Correction to GCF high priority (WI-010) RRC test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1081	-	5.10.0	Rel-5	Correction to GCF high priority (WI-12) RRC test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1081	-	5.10.0	Rel-5	Correction to GCF high priority (WI-12) RRC test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1082	-	5.10.0	Rel-5	Correction to GCF high priority (WI-14) RRC test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1082	-	5.10.0	Rel-5	Correction to GCF high priority (WI-14) RRC test cases	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1083	-	5.10.0	Rel-5	Correction of 3rd party transfer A-GPS test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1083	-	5.10.0	Rel-5	Correction of 3rd party transfer A-GPS test cases	approved	F	5.11.0	TEI	T1

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TP-050034	34.123-1	1084	-	5.10.0	Rel-5	Correction of UE-assisted A-GPS test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1084	-	5.10.0	Rel-5	Correction of UE-assisted A-GPS test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1085	-	5.10.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.33	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1085	-	5.10.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.33	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1086	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to Package 2 Test Case 6.2.2.2	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1086	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to Package 2 Test Case 6.2.2.2	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1087	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to Low-Priority Test Case TC 8.1.8.3	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1087	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to Low-Priority Test Case TC 8.1.8.3	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1088	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Editorial corrections to Package 4 test case 8.3.7.5 and Package 3 test case 8.4.1.31	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1088	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Editorial corrections to Package 4 test case 8.3.7.5 and Package 3 test case 8.4.1.31	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1089	-	5.10.0	Rel-5	Correction to 34.123, clause 6, idle mode test case 6.1.2.9	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1089	-	5.10.0	Rel-5	Correction to 34.123, clause 6, idle mode test case 6.1.2.9	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1090	-	5.10.0	Rel-5	Correction to Package 1 Testcase 8.4.1.5	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1091	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.1.10.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1091	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.1.10.1	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1092	-	5.10.0	Rel-5	Correction to RRC test case 8.1.1.10 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1092	-	5.10.0	Rel-5	Correction to RRC test case 8.1.1.10 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1093	-	5.10.0	Rel-5	Correction to NAS GMM test case 12.4.1.5 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1093	-	5.10.0	Rel-5	Correction to NAS GMM test case 12.4.1.5 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1094	-	5.10.0	Rel-5	Correction to RRC test cases 8.1.2.11 and 8.2.1.24 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1094	-	5.10.0	Rel-5	Correction to RRC test cases 8.1.2.11 and 8.2.1.24 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1095	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.7	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1095	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.7	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1096	-	5.10.0	Rel-5	Correction to NAS MM test case 9.4.2.4 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1096	-	5.10.0	Rel-5	Correction to NAS MM test case 9.4.2.4 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1

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TP-050052	34.123-1	1097	-	5.10.0	Rel-5	Correction to Package 2 Testcase 8.2.4.1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1097	-	5.10.0	Rel-5	Correction to Package 2 Testcase 8.2.4.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1098	-	5.10.0	Rel-5	CR to 34.123-1 : Correction to P4 RRC test case 8.2.2.35	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1098	-	5.10.0	Rel-5	CR to 34.123-1 : Correction to P4 RRC test case 8.2.2.35	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1099	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.23 (Revision T1-050009)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1099	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.4.1.23 (Revision T1-050009)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1100	-	5.10.0	Rel-5	Correction to GCF priority 2 (WI-010) RRC test case 8.4.1.14	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1100	-	5.10.0	Rel-5	Correction to GCF priority 2 (WI-010) RRC test case 8.4.1.14	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1101	-	5.10.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.31	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1101	-	5.10.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.31	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1102	-	5.10.0	Rel-5	Deletion of postamble of switch-off UE and detach in GMM test cases.	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1102	-	5.10.0	Rel-5	Deletion of postamble of switch-off UE and detach in GMM test cases.	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1103	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.31 (Revision of T1-050004)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1103	-	5.10.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.31 (Revision of T1-050004)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1104	-	5.10.0	Rel-5	Correction to Package 4 Inter-system handover test case 8.3.7.12	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1104	-	5.10.0	Rel-5	Correction to Package 4 Inter-system handover test case 8.3.7.12	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1105	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.4.1.5	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1105	-	5.10.0	Rel-5	Correction to Package 1 RRC test case 8.4.1.5	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1106	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; Corrections to RRC test cases on seamless SRNS relocation (revision of T1-050084)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1106	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; Corrections to RRC test cases on seamless SRNS relocation (revision of T1-050084)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1107	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; New RRC test case on seamless SRNS relocation using Radio Bearer Reconfiguration (revision of T1-050085)	approved	B	5.11.0	TEI	T1
TP-050034	34.123-1	1107	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; New RRC test case on seamless SRNS relocation using Radio Bearer Reconfiguration (revision of T1-050085)	revised	B	5.11.0	TEI	T1
TP-050052	34.123-1	1108	-	5.10.0	Rel-5	CR to TS34.123-1; New RRC test cases for Radio Bearer Setup Procedure	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1108	-	5.10.0	Rel-5	CR to TS34.123-1; New RRC test cases for Radio Bearer Setup Procedure	revised	F	5.11.0	TEI	T1
TP-050034	34.123-1	1109	-	5.10.0	Rel-5	Correction to WI-012 test case 8.1.6.3	revised	F	5.11.0	TEI	T1

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TP-050052	34.123-1	1109	-	5.10.0	Rel-5	Correction to WI-012 test case 8.1.6.3	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1110	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5: Correction to P4 RRC test case 8.3.11.4	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1110	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5: Correction to P4 RRC test case 8.3.11.4	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1111	-	5.10.0	Rel-5	Correction to Package 4 NAS test cases 12.6.1.3.1 , 12.6.1.3.2 and 12.9.6	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1111	-	5.10.0	Rel-5	Correction to Package 4 NAS test cases 12.6.1.3.1 , 12.6.1.3.2 and 12.9.6	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1112	-	5.10.0	Rel-5	Corrections to HSDPA RRC test case 8.2.2.39 (revision of T1-050270)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1112	-	5.10.0	Rel-5	Corrections to HSDPA RRC test case 8.2.2.39 (revision of T1-050270)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1113	-	5.10.0	Rel-5	Correction to HSDPA generic radio bearer test procedure	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1113	-	5.10.0	Rel-5	Correction to HSDPA generic radio bearer test procedure	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1114	-	5.10.0	Rel-5	Addition of inter-RAT handover test case (UE supporting DTM) to 34.123-1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1114	-	5.10.0	Rel-5	Addition of inter-RAT handover test case (UE supporting DTM) to 34.123-1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1115	-	5.10.0	Rel-5	Correcting Initial Conditions of Inter-RAT 8.3.7. test cases	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1115	-	5.10.0	Rel-5	Correcting Initial Conditions of Inter-RAT 8.3.7. test cases	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1116	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Addition of new HSDPA test case (Revision of T1-050179, T1-050265)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1116	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Addition of new HSDPA test case (Revision of T1-050179, T1-050265)	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1117	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Correction to TC 8.2.4.36 (Revision of T1-050181, T1-050266)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1117	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Correction to TC 8.2.4.36 (Revision of T1-050181, T1-050266)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1118	-	5.10.0	Rel-5	Correction to GCF P4 IR_U 8.3.7.9 and 8.3.7.13 (Revision of T1-050031 & T1-050408)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1118	-	5.10.0	Rel-5	Correction to GCF P4 IR_U 8.3.7.9 and 8.3.7.13 (Revision of T1-050031 & T1-050408)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1119	-	5.10.0	Rel-5	Alignment of IE Names used in Clause 12 to the core specification (revision of T1-050021)	approved	D	5.11.0	TEI	T1
TP-050034	34.123-1	1119	-	5.10.0	Rel-5	Alignment of IE Names used in Clause 12 to the core specification (revision of T1-050021)	revised	D	5.11.0	TEI	T1
TP-050052	34.123-1	1120	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4c Proc 2 (revision of T1-050040)	approved	D	5.11.0	TEI	T1
TP-050034	34.123-1	1120	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.4.1.4c Proc 2 (revision of T1-050040)	revised	D	5.11.0	TEI	T1
TP-050034	34.123-1	1121	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.4.1.1b	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1121	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.4.1.1b	approved	F	5.11.0	TEI	T1

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TP-050034	34.123-1	1122	-	5.10.0	Rel-5	Correction to NAS GMM test case 12.3.2.8 (GCF Work Item 12)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1122	-	5.10.0	Rel-5	Correction to NAS GMM test case 12.3.2.8 (GCF Work Item 12)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1123	-	5.10.0	Rel-5	Correction to GMM clause	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1123	-	5.10.0	Rel-5	Correction to GMM clause	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1124	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.9.3	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1124	-	5.10.0	Rel-5	Correction to Package 4 NAS test case 12.9.3	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1125	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.2.1.6.2. (Revision of T1-050097 & T1-050228).	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1125	-	5.10.0	Rel-5	Corrections to Package 4 GMM test case 12.2.1.6.2. (Revision of T1-050097 & T1-050228).	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1126	-	5.10.0	Rel-5	Correction to Package 4 test case 12.2.1.5d (Revision of T1-050021)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1126	-	5.10.0	Rel-5	Correction to Package 4 test case 12.2.1.5d (Revision of T1-050021)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1127	-	5.10.0	Rel-5	Correction to Package 3 RB test case 14.2.51a.1	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1127	-	5.10.0	Rel-5	Correction to Package 3 RB test case 14.2.51a.1	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1128	-	5.10.0	Rel-5	Correction of A-GPS assistance data sets	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1128	-	5.10.0	Rel-5	Correction of A-GPS assistance data sets	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1129	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; Correction to P4 RRC test case 8.1.7.1d (Revision of T1-050249)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1129	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; Correction to P4 RRC test case 8.1.7.1d (Revision of T1-050249)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1130	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Correction to HSDPA test cases (Revision of T1-050182)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1130	-	5.10.0	Rel-5	CR to TS34.123-1 Rel-5; Correction to HSDPA test cases (Revision of T1-050182)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1131	-	5.10.0	Rel-5	Corrections to HSDPA RRC test cases 8.2.1.28 & 8.2.3.34 (revision of T1-050073)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1131	-	5.10.0	Rel-5	Corrections to HSDPA RRC test cases 8.2.1.28 & 8.2.3.34 (revision of T1-050073)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1132	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; New HSDPA RRC test cases (revision of T1-050267)	revised	B	5.11.0	TEI	T1
TP-050052	34.123-1	1132	-	5.10.0	Rel-5	CR to 34.123-1 Rel-5; New HSDPA RRC test cases (revision of T1-050267)	approved	B	5.11.0	TEI	T1
TP-050034	34.123-1	1133	-	5.10.0	Rel-5	Corrections to HSDPA RRC test case 8.2.2.40 (revision of T1-050271)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1133	-	5.10.0	Rel-5	Corrections to HSDPA RRC test case 8.2.2.40 (revision of T1-050271)	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1134	-	5.10.0	Rel-5	Correction to MAC-hs test cases 7.1.5.6	revised	F	5.11.0	TEI	T1

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TP-050052	34.123-1	1134	-	5.10.0	Rel-5	Correction to MAC-hs test cases 7.1.5.6	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1135	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to GCF P3 Test Case 8.3.2.12	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1135	-	5.10.0	Rel-5	CR to TS 34.123-1 v5.a.0 - Correction to GCF P3 Test Case 8.3.2.12	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1136	-	5.10.0	Rel-5	Generic test procedure for HS-DSCH multi-RB combinations	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1136	-	5.10.0	Rel-5	Generic test procedure for HS-DSCH multi-RB combinations	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1137	-	5.10.0	Rel-5	Addition of details to HSDPA radio bearer test case 14.6.3a (new), 14.6.4, 14.6.4a (new), 14.6.5 and 14.6.5a (new)	revised	F	5.11.0	TEI	T1
TP-050052	34.123-1	1137	-	5.10.0	Rel-5	Addition of details to HSDPA radio bearer test case 14.6.3a (new), 14.6.4, 14.6.4a (new), 14.6.5 and 14.6.5a (new)	approved	F	5.11.0	TEI	T1
TP-050052	34.123-1	1138	-	5.10.0	Rel-5	Addition of details to HSDPA radio bearer test case 14.6.3	approved	F	5.11.0	TEI	T1
TP-050034	34.123-1	1138	-	5.10.0	Rel-5	Addition of details to HSDPA radio bearer test case 14.6.3	revised	F	5.11.0	TEI	T1
TP-050035	34.123-2	0185	-	5.10.0	Rel-5	CR to 34.123-2 R5: New GMM test case for verification of follow-on request pending indicator.	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0186	-	5.10.0	Rel-5	Addition of applicability for new HSDPA radio bearer test cases	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0187	-	5.10.0	Rel-5	New PICS for the support of Supplementary Service phase 2	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0188	-	5.10.0	Rel-5	CR to 34.123-2 Rel-5: Update of applicability for TDD 1.28 Mcps	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0189	-	5.10.0	Rel-5	Applicability table for new Inter-RAT handover test case	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0190	-	5.10.0	Rel-5	Update of Table A.1 in 34.123-2	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0191	-	5.10.0	Rel-5	Addition of new RRC test cases to the applicability table	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0192	-	5.10.0	Rel-5	Correction to Applicability statements for HSDPA test cases (revision of T1-050183)	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0193	-	5.10.0	Rel-5	CR to 34.123-2 Rel-5; New HSDPA RRC test cases (revision of T1-050089)	approved	B	5.11.0	TEI	T1
TP-050035	34.123-2	0194	-	5.10.0	Rel-5	CR to 34.123-2 Rel-5; New RRC test case on seamless SRNS relocation using Radio Bearer Reconfiguration (revision of T1-050088)	approved	B	5.11.0	TEI	T1
TP-050035	34.123-2	0195	-	5.10.0	Rel-5	New PICS value	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0196	-	5.10.0	Rel-5	Correction to the Applicability table for HSDPA test cases (T1-050459)	approved	F	5.11.0	TEI	T1
TP-050035	34.123-2	0197	-	5.10.0	Rel-5	Removal of GERAN PICS duplicated, in accordance with T1 action point AP 25.7	approved	F	5.11.0	TEI	T1
TP-050039	34.123-3	1185	-	3.8.0	Rel-5	RRC Connection Establishment: Reject with InterRATInfo is set to GSM and selection to the designated system fails	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1186	-	3.8.0	Rel-5	RRC Connection Establishment: Reject with interRATInfo is set to GSM	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1187	-	3.8.0	Rel-5	MM connection / abortion by the network / cause not equal to #6	approved	B	5.0.0	TEI	T1

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TP-050039	34.123-3	1188	-	3.8.0	Rel-5	PS detach / rejected / PS services not allowed in this PLMN/ test1	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1189	-	3.8.0	Rel-5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1190	-	3.8.0	Rel-5	RRC / Paging for Connection in connected mode (URA_PCH, multiple paging records)	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1191	-	3.8.0	Rel-5	Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 1	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1192	-	3.8.0	Rel-5	Combined routing area updating / abnormal cases / access barred due to access class control / test procedure 2	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1193	-	3.8.0	Rel-5	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1194	-	3.8.0	Rel-5	Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1195	-	3.8.0	Rel-5	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1196	-	3.8.0	Rel-5	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1197	-	3.8.0	Rel-5	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1198	-	3.8.0	Rel-5	Cell change order from UTRAN/To GPRS/CELL_DCH/Failure (Physical channel & Reversion Failure)	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1199	-	3.8.0	Rel-5	RRC Connection Release in CELL_DCH state (Network Authentication Failure): Success	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1200	-	3.8.0	Rel-5	Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure)	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1201	-	3.8.0	Rel-5	Cell reselection using cell status and cell reservations	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1202	-	3.8.0	Rel-5	RRC / Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH (Frequency band modification): Success	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1203	-	3.8.0	Rel-5	Correct Selection of RACH parameters (FDD)	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1204	-	3.8.0	Rel-5	Measurement Control and Report: Additional Measurements list	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1205	-	3.8.0	Rel-5	PS attach / rejected / PS services not allowed in this PLMN	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1206	-	3.8.0	Rel-5	Access Service class selection for RACH transmission	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1207	-	3.8.0	Rel-5	Selection of RAT for UPLMN; Automatic mode	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1208	-	3.8.0	Rel-5	Selection of RAT for OPLMN; Automatic mode	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1209	-	3.8.0	Rel-5	Cell reselection if cell becomes barred or S	approved	B	5.0.0	TEI	T1
TP-050039	34.123-3	1210	-	3.8.0	Rel-5	Service Request / RAB re-establishment / UE initiated / multiple PDP contexts	approved	B	5.0.0	TEI	T1
TP-050040	34.123-3	1211	-	3.8.0	Rel-5	Summary of regression errors in the wk04 ATS	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1212	-	3.8.0	Rel-5	Summary of regression errors in the wk04 ATS.	approved	F	5.0.0	TEI	T1

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TP-050040	34.123-3	1213	-	3.8.0	Rel-5	Correction to RRC P2 TC 8.4.1.7	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1214	-	3.8.0	Rel-5	Summary of regression errors in the wk04 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1215	-	3.8.0	Rel-5	Summary of regression errors in the wk04 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1216	-	3.8.0	Rel-5	Correction to approved package 4 NAS Test case 12_6_1_3_3	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1217	-	3.8.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.38	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1218	-	3.8.0	Rel-5	Correction to Approved NAS Package 3 TC 9.4.7	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1219	-	3.8.0	Rel-5	Correction to Approved RRC Package 2 TC 8.3.7.2 / 8.3.7.3	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1220	-	3.8.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.36	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1221	-	3.8.0	Rel-5	Correction to Approved IR_U Package 2 test case 6.2.2.1	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1222	-	3.8.0	Rel-5	Correction to Approved IR_U Package 4 Test Case 8.3.7.12	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1223	-	3.8.0	Rel-5	Correction to test step "ts_AT_TerminateCall".	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1224	-	3.8.0	Rel-5	Wk51 regression error report on unapproved and approved Idle mode testcases 6.1.2.x	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1225	-	3.8.0	Rel-5	Correction to approved package 3 NAS Test case 9_4_7	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1226	-	3.8.0	Rel-5	Summary of regression errors in the wk51 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1227	-	3.8.0	Rel-5	Correction to RRC P1 TC 8.4.1.3	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1228	-	3.8.0	Rel-5	Correction to RRC P2 TC 8.3.1.22 for removing check of "FOR" field value from ROUTING AREA UPDATING REQUEST message.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1229	-	3.8.0	Rel-5	Correction to Package 4 NAS test case 12.9.14	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1230	-	3.8.0	Rel-5	Summary of regression errors in the wk51 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1231	-	3.8.0	Rel-5	Correction to 34.123-3, section 16, SMS test cases regarding Validity Period Formats	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1232	-	3.8.0	Rel-5	Additional Corrections required for 14.4.2.2 test cases in the RAB ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1233	-	3.8.0	Rel-5	Revised corrections to approved IR_U test cases 6_2_1_1, 6_2_1_7 and 6_2_1_8.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1234	-	3.8.0	Rel-5	Corrections required for "Combinations on SCCPCH" test cases in the RAB ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1235	-	3.8.0	Rel-5	Correction to RRC P1 TC 8.4.1.5	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1236	-	3.8.0	Rel-5	Additional Corrections Required for the wk47 ATS	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1237	-	3.8.0	Rel-5	Correction to Package 4 NAS test case 12.2.1.5a Proc1	approved	F	5.0.0	TEI	T1

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TP-050040	34.123-3	1238	-	3.8.0	Rel-5	Summary of regression errors in the wk49 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1239	-	3.8.0	Rel-5	Summary of regression errors in wk49 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1240	-	3.8.0	Rel-5	Correction to Approved RRC Package 4 TC 8.3.11.1	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1241	-	3.8.0	Rel-5	Correction required to Package 4 NAS test case 12.9.13.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1242	-	3.8.0	Rel-5	Correction to approved GCF P4 NAS test case 12.9.8: improvement of incomplete implementation of T1-041930	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1243	-	3.8.0	Rel-5	Correction to SIB1 contents for approved RRC Idle Mode and InterRAT test cases.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1244	-	3.8.0	Rel-5	Correction to Package 4 NAS test cases 12.4.3.4.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1245	-	3.8.0	Rel-5	Corrections to RRC Package 3 TC 8.4.1.26 to change the Downlink Power level settings of Cell A at Time Instant 'T1'.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1246	-	3.8.0	Rel-5	Correction to GMM Test cases for removing check of "FOR" field value from ATTACH REQUEST and ROUTING AREA UPDATING REQUEST messages. (Revision to TTCN CR T1s040763)	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1247	-	3.8.0	Rel-5	Correction to RRC P1 TC 8.4.1.5 (Revision of T1s040739)	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1248	-	3.8.0	Rel-5	Corrections required to rlc_SizeIndex in the RAB ATS	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1249	-	3.8.0	Rel-5	Corrections to RRC 8.3.2.x for Special LI	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1250	-	3.8.0	Rel-5	Summary of regression errors in the wk47 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1251	-	3.8.0	Rel-5	Summary of regression errors in the wk47 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1252	-	3.8.0	Rel-5	Correction to Package 2 RRC test case 8.3.2.11 to increase the wait time while checking that UE does not send URA Update.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1253	-	3.8.0	Rel-5	Correction to RRC Test Case 8.3.1.22.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1254	-	3.8.0	Rel-5	Correction to approved package 2 NAS Test case 9.4.2.3	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1255	-	3.8.0	Rel-5	Corrections to RRC Package 1 TC 8.3.1.1 to add a delay before SS reconfigures MAC according to the new C-RNTI or U-RNTI assigned to UE.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1256	-	3.8.0	Rel-5	Summary of regression errors in the wk47 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1257	-	3.8.0	Rel-5	Corrections Required for the wk47 ATS	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1258	-	3.8.0	Rel-5	Summary of regression errors in IR_U wk47 ATS.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1259	-	3.8.0	Rel-5	Correction to package 1 test case 8.3.4.3.	approved	F	5.0.0	TEI	T1
TP-050040	34.123-3	1260	-	3.8.0	Rel-5	Correction to approved package 4 NAS Test cases 12.2.1.6 proc1, 12.2.1.6 proc2 and 12.9.8	approved	F	5.0.0	TEI	T1
TP-050037	34.123-3	1261	-	3.8.0	Rel-5	Add new verified TTCN test cases CR to 34.123-3 (prose) in Annex A	approved	F	5.0.0	TEI	T1
TP-050036	34.123-3	1263	-	3.8.0	-	Corrections Required for "Combinations on SCCPCH" configurations.	approved	F	3.9.0	TEI	T1

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TP-050036	34.123-3	1264	-	3.8.0	Rel-5	Introduce ASP for HSDPA	approved	B	5.0.0	TEI	T1
TP-050036	34.123-3	1265	-	3.8.0	Rel-5	Introduce ASP for LCR TDD	approved	B	5.0.0	TEI	T1
TP-050036	34.123-3	1266	-	3.8.0	R99	Replacement of 34.123-3 Release 99 by a pointer to the newly created Release 5 version	approved	F	3.9.0	TEI	T1
TP-050036	34.123-3	1267	-	3.8.0	Rel-5	Corrections of encoding rules and postambles	approved	F	5.0.0	TEI	T1
TP-050036	34.123-3	1268	-	3.8.0	Rel-5	Introduce ASP for A-GPS	approved	B	5.0.0	TEI	T1
TP-050059	34.123-3	1269	-	3.8.0	Rel-4	Replacement of 34.123-3 Release 99 by a pointer to the newly created Release 5 version	approved	A	4.0.0	TEI	T1
SP-050126	41.101	0010	-	4.13.0	Rel-4	Corrections to list of specifications	approved	F	4.14.0	TEI	SP
SP-050126	41.101	0011	-	5.9.0	Rel-5	Corrections to list of specifications	approved	F	5.10.0	TEI	SP
SP-050126	41.101	0012	-	6.0.0	Rel-6	Corrections to list of specifications	approved	F	6.1.0	TEI	SP
SP-050067	42.068	0008	1	7.1.0	Rel-7	Sending an SMS to a Group	revised	B		EGCS	S1
SP-050174	42.068	0008	2	7.1.0	Rel-7	Sending an SMS to a Group	approved	B	7.2.0	EGCS	S1
NP-050067	43.068	0029	-	4.4.0	Rel-4	Correction of the conditions for establishment of a voice group call	approved	A	4.5.0	ASCI	N1
NP-050067	43.068	0030	-	5.4.0	Rel-5	Correction of the conditions for establishment of a voice group call	approved	A	5.5.0	ASCI	N1
NP-050067	43.068	0031	-	6.3.0	Rel-6	Correction of the conditions for establishment of a voice group call	approved	A	6.4.0	ASCI	N1
NP-050076	43.068	0036	1	6.3.0	Rel-6	EPRT Inter-PLMN Group Call notification for dispatchers	approved	F	6.4.0	TEI6	N1
NP-050076	43.069	0023	1	6.1.0	Rel-6	EPRT Inter-PLMN Broadcast Call notification for dispatchers	approved	F	6.2.0	TEI6	N1
TP-050025	51.011	0035	-	4.13.0	Rel-4	Incorrect references regarding UCS2 coding	approved	F	4.14.0	TEI4	T3
TP-050026	51.013	0017	-	5.2.0	Rel-5	Correction of TP-DCS used for uncompressed 8 bits data SMS envelope.	approved	F	5.3.0	TEI5	T3
TP-050026	51.013	0018	-	5.2.0	Rel-5	Correction of FWK_ERP_EFSE script file syntax.	approved	F	5.3.0	TEI5	T3
TP-050026	51.013	0019	-	5.2.0	Rel-5	Correction of security level in API_2_ENH_GSDL test.	approved	F	5.3.0	TEI5	T3

F.1 Status of TSG GERAN CRs after TSG SA #27 Meeting (TSG GERAN Meeting #23)

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
GP-050580	03.55	A007	2	8.3.0	R99	Missing cell identity in DTM Information message	approved	F	8.4.0	TEI	G1
GP-050594	04.18	A294	2	8.24.0	R99	Missing cell identity in DTM Information message	Approved	F	8.25.0	DTM	G2
GP-050301	04.31	A120	-	7.17.0	R98	Correction of the ASN.1 code	Approved	F	7.18.0	TEI	G2
GP-050411	04.31	A121	1	8.16.0	R99	Correction of the ASN.1 code	Approved	A	8.17.0	TEI	G2
GP-050416	04.60	B141	1	8.25.0	R99	CSN.1 coding modification of PS14 extensions	Approved	F	8.26.0	TEI	G2
GP-050037	05.03	A050	-	8.8.0	R99	Correction to E-FACCH/F for E-TCH/F 32.0	approved	F	8.9.0	TEI	G1
GP-050487	05.03	A051	-	8.8.0	R99	Interleaving for E-TCH/F32.0	approved	F	8.9.0	TEI	G1
GP-050592	43.022	0015	3	6.1.0	Rel-6	Introduction of MBMS	approved	B	6.2.0	MBMS	G1
GP-050491	43.022	0016	1	6.1.0	Rel-6	Correction of references	approved	F	6.2.0	TEI6	G1
GP-050581	43.055	0032	2	4.5.0	Rel-4	Missing cell identity in DTM Information message	approved	A	4.6.0	TEI	G1
GP-050582	43.055	0033	2	5.4.0	Rel-5	Missing cell identity in DTM Information message	approved	A	5.5.0	TEI	G1
GP-050583	43.055	0034	2	6.7.0	Rel-6	Missing cell identity in DTM Information message	approved	F	6.8.0	TEI6	G1
GP-050449	43.055	0035	1	6.7.0	Rel-6	PS roaming while in DTM	approved	F	6.8.0	TEI6	G1
GP-050450	43.129	0001	1	6.0.0	Rel-6	Correction of data forwarding in case of inter-RAT PS Handover	approved	F	6.1.0	SCSA GB	G1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
GP-050323	43.129	0002	-	6.0.0	Rel-6	"Layer 3 information" not used for PS Handover	approved	F	6.1.0	SCSA GB	G1
GP-050603	43.129	0004	2	6.0.0	Rel-6	Clarification of PDP Context Suspension during inter-SGSN GERAN A/Gb to GERAN A/Gb PS HO	approved	F	6.1.0	SCSA GB	G1
GP-050326	43.129	0005	-	6.0.0	Rel-6	PS Handover Cancel after failed PS Handover	approved	F	6.1.0	SCSA GB	G1
GP-050327	43.129	0006	-	6.0.0	Rel-6	Addition of the SABM-UA exchange procedure	approved	F	6.1.0	SCSA GB	G1
GP-050309	43.246	0019	-	6.1.0	Rel-6	Repeated Notification of an ongoing session	approved	B	6.2.0	MBMS G1	G1
GP-050310	43.246	0020	-	6.1.0	Rel-6	Definition of when MBMS ASSIGNMENT is a distribution or non-distribution message	approved	B	6.2.0	MBMS G1	G1
GP-050438	43.246	0021	1	6.1.0	Rel-6	Update of sub-clause 6.1.1.3	approved	B	6.2.0	MBMS G1	G1
GP-050439	43.246	0022	1	6.1.0	Rel-6	Access limitation definitions	approved	B	6.2.0	MBMS G1	G1
GP-050369	43.246	0023	-	6.1.0	Rel-6	Deletion of MS ID	approved	F	6.2.0	MBMS G1	G1
GP-050598	43.246	0024	2	6.1.0	Rel-6	Clean-up to the MBMS stage 2	approved	F	6.2.0	MBMS G1	G1
GP-050564	43.246	0025	-	6.1.0	Rel-6	Corrections related to cell reselection	approved	F	6.2.0	MBMS G1	G1
GP-050600	44.018	0392	4	6.10.1	Rel-6	Introduction of MBMS Notification for MS in dedicated mode	Approved	B	6.11.0	TEI6 G2	G2
GP-050105	44.018	0400	-	6.10.1	Rel-6	Channel assignment for VGCS	Approved	F	6.11.0	TEI6 G2	G2
GP-050106	44.018	0401	-	6.10.1	Rel-6	Correction to channel mode modify	Approved	F	6.11.0	TEI6 G2	G2
GP-050535	44.018	0402	1	6.10.1	Rel-6	Cipher Key Sequence Number in Talker Indication	Approved	F	6.11.0	TEI6 G2	G2
GP-050536	44.018	0403	1	6.10.1	Rel-6	NTN Rest Octets.	Approved	F	6.11.0	TEI6 G2	G2
GP-050537	44.018	0404	1	6.10.1	Rel-6	Group key not available on the USIM	Approved	F	6.11.0	TEI6 G2	G2
GP-050531	44.018	0408	1	6.10.1	Rel-6	Provision of cell reselection parameters for neighbouring cells in the serving cell	Approved	B	6.11.0	TEI6 G2	G2
GP-050566	44.018	0409	1	6.10.1	Rel-6	Transmission of Notifications for VGCS on PCH	Approved	F	6.11.0	TEI6 G2	G2
GP-050526	44.018	0413	1	6.10.1	Rel-6	Addition of MBMS Notification	Approved	B	6.11.0	MBMS G2	G2
GP-050528	44.018	0414	1	6.10.1	Rel-6	Addition of MBMS procedures in List of procedures	Approved	B	6.11.0	MBMS G2	G2
GP-050604	44.018	0415	2	6.10.1	Rel-6	Error handling for GTTP messages	Approved	F	6.11.0	TEI6 G2	G2
GP-050447	44.018	0416	1	6.10.1	Rel-6	Usage of TLLI in the GTTP Information message	Approved	F	6.11.0	TEI6 G2	G2
GP-050340	44.018	0417	-	6.10.1	Rel-6	Inconsistent coding of Format ID in variable bitmap format of Cell Channel Description IE	Approved	F	6.11.0	TEI6 G2	G2
GP-050605	44.018	0418	2	6.10.1	Rel-6	Removal of reference to struct definition in 44.060 of GPRS broadcast information IE	Approved	F	6.11.0	TEI6 G2	G2
GP-050595	44.018	0419	2	4.19.0	Rel-4	Missing cell identity in DTM Information message	Approved	A	4.20.0	DTM G2	G2
GP-050596	44.018	0420	2	5.18.0	Rel-5	Missing cell identity in DTM Information message	Approved	A	5.19.0	DTM G2	G2
GP-050597	44.018	0421	2	6.10.1	Rel-6	Missing cell identity in DTM Information message	Approved	A	6.11.0	DTM G2	G2
GP-050565	44.018	0425	1	6.10.1	Rel-6	Maintaining BA (list) after the intracell change of channel	Approved	C	6.11.0	TEI6 G2	G2
GP-050607	44.018	0427	1	6.10.1	Rel-6	Correction of the mobile behaviour at packet access failure	Approved	F	6.11.0	TEI6 G2	G2
GP-050364	44.018	0428	-	6.10.1	Rel-6	Correcting wrong references to section 10.5.1 (common information elements)	Approved	F	6.11.0	TEI6 G2	G2
GP-050303	44.031	0129	-	4.12.0	Rel-4	Correction of the ASN.1 code	Approved	A	4.13.0	TEI G2	G2
GP-050304	44.031	0130	-	5.11.0	Rel-5	Correction of the ASN.1 code	Approved	F	5.12.0	TEI G2	G2
GP-050414	44.031	0131	1	6.6.0	Rel-6	Correction of the ASN.1 code	Approved	A	6.7.0	TEI G2	G2
GP-050372	44.031	0132	-	6.6.0	Rel-6	Corrections to units in Navigation Model	Approved	F	6.7.0	TEI6 G2	G2
GP-050525	44.060	0577	3	6.10.0	Rel-6	Introduction of MBMS Notification for MS in packet transfer mode	Approved	B	6.11.0	MBMS G2	G2
GP-050441	44.060	0584	3	6.10.0	Rel-6	Addition of MBMS address assignment procedure and MBMS MS_ID ASSIGNMENT message	Approved	B	6.11.0	MBMS G2	G2
GP-050522	44.060	0591	3	6.10.0	Rel-6	Addition of release of an MBMS radio bearer	Approved	B	6.11.0	MBMS G2	G2
GP-050523	44.060	0603	3	6.10.0	Rel-6	RLC data block transfer during an MBMS radio bearer	Approved	B	6.11.0	MBMS G2	G2
GP-050131	44.060	0606	-	6.10.0	Rel-6	Definition of broadcast/multicast receive mode	Approved	B	6.11.0	MBMS G2	G2
GP-050601	44.060	0607	2	6.10.0	Rel-6	Correction of MBMS messages	Approved	F	6.11.0	MBMS G2	G2
GP-050532	44.060	0610	1	6.10.0	Rel-6	Provision of cell reselection parameters for neighbouring cells in the serving cell	Approved	B	6.11.0	TEI6 G2	G2
GP-050571	44.060	0613	1	6.10.0	Rel-6	Editorial corrections	Approved	F	6.11.0	TEI6 G2	G2
GP-050602	44.060	0615	2	6.10.0	Rel-6	Addition of MBMS Notification	Approved	B	6.11.0	MBMS G2	G2
GP-050333	44.060	0618	-	6.10.0	Rel-6	Inconsistent CSN.1 coding in PUA message	Approved	F	6.11.0	TEI6 G2	G2

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GP-050417	44.060	0619	1	4.19.0	Rel-4	CSN.1 coding modification of PSI14 extensions			Approved	A	4.20.0	TEI	G2
GP-050418	44.060	0620	1	5.14.0	Rel-5	CSN.1 coding modification of PSI14 extensions			Approved	A	5.15.0	TEI	G2
GP-050419	44.060	0621	1	6.10.0	Rel-6	CSN.1 coding modification of PSI14 extensions			Approved	A	6.11.0	TEI	G2
GP-050420	44.060	0622	1	4.19.0	Rel-4	Validity of the PNCD information			Approved	F	4.20.0	TEI4	G2
GP-050421	44.060	0623	1	5.14.0	Rel-5	Validity of the PNCD information			Approved	F	5.15.0	TEI4	G2
GP-050422	44.060	0624	1	6.10.0	Rel-6	Validity of the PNCD information			Approved	F	6.11.0	TEI4	G2
GP-050584	44.060	0625	2	5.14.0	Rel-5	Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection			Approved	F	5.15.0	TEI5	G2
GP-050585	44.060	0626	2	6.10.0	Rel-6	Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection			Approved	A	6.11.0	TEI6	G2
GP-050609	44.060	0627	2	6.10.0	Rel-6	Extended Dynamic Allocation: PACCH operation clarifications in case of Concurrent TBF			Approved	F	6.11.0	TEI6	G2
GP-050363	44.060	0628	-	6.10.0	Rel-6	Uncoupling BSS paging coordination in GPRS NMO II / III and in DTM			Approved	F	6.11.0	TEI6	G2
GP-050365	44.060	0629	-	6.10.0	Rel-6	PFI inclusion not allowed at TBF establishment if PFC not supported by the network			Approved	F	6.11.0	TEI6	G2
GP-050437	44.060	0630	1	6.10.0	Rel-6	Multiple TBF operation in extended uplink TBF mode			Approved	B	6.11.0	MULT BF	G2
GP-050608	44.060	0632	1	6.10.0	Rel-6	Correction of the mobile behaviour at packet access failure			Approved	F	6.11.0	TEI6	G2
GP-050521	44.060	0633	-	6.10.0	Rel-6	Introduction of GPRS Power Control Parameters IE			Approved	F	6.11.0	TEI6	G2
GP-050433	44.060	0634	-	6.10.0	Rel-6	Correction to multiple TBF procedures after one phase access			Approved	F	6.11.0	MULT BF	G2
GP-050094	45.002	0092	-	6.7.0	Rel-6	Correction to mapping of uplink packet channel			approved	F	6.8.0	Agbm ode	G1
GP-050481	45.002	0094	1	5.12.0	Rel-5	High multislot class operation on a "d = 1, u = 4" allocation in a legacy network			approved	F	5.13.0	TEI5	G1
GP-050482	45.002	0095	1	6.7.0	Rel-6	High multislot class operation on a "d = 1, u = 4" allocation in a legacy network			approved	A	6.8.0	TEI5	G1
GP-050229	45.002	0096	-	6.7.0	Rel-6	Provision of cell reselection parameters for neighbouring cells in the serving cell			approved	B	6.8.0	TEI6	G1
GP-050485	45.003	0047	1	6.6.0	Rel-6	Inclusion of 60ms interleaving for FLO			approved	C	6.7.0	FLOG ER	G1
GP-050038	45.003	0048	-	4.3.0	Rel-4	Correction to E-FACCH/F for E-TCH/F32.0			approved	F	4.4.0	TEI	G1
GP-050039	45.003	0049	-	5.11.0	Rel-5	Correction to E-FACCH/F for E-TCH/F32.0			approved	A	5.12.0	TEI	G1
GP-050040	45.003	0050	-	6.6.0	Rel-6	Correction to E-FACCH/F for E-TCH/F32.0			approved	A	6.7.0	TEI	G1
GP-050488	45.003	0051	-	4.3.0	Rel-4	Interleaving for E-TCH/F 32.0			approved	F	4.4.0	TEI	G1
GP-050489	45.003	0052	-	5.11.0	Rel-5	Interleaving for E-TCH/F 32.0			approved	A	5.12.0	TEI	G1
GP-050490	45.003	0053	-	6.6.0	Rel-6	Interleaving for E-TCH/F 32.0			approved	A	6.7.0	TEI	G1
GP-050041	45.005	0098	-	6.7.0	Rel-6	Table 11 non-existent			approved	D	6.8.0	TEI6	G1
GP-050144	45.005	0099	-	5.10.0	Rel-5	Removal of a restriction to support full power on two slots on 1800/1900 frequency bands, for certain multiband terminal designs			approved	F	5.11.0	TEI5	G1
GP-050145	45.005	0100	-	6.7.0	Rel-6	Removal of a restriction to support full power on two slots on 1800/1900 frequency bands, for certain multiband terminal designs			approved	A	6.8.0	TEI5	G1
GP-050192	45.005	0101	-	6.7.0	Rel-6	DARP - removal of brackets plus one clarification			approved	F	6.8.0	DARP	G1
GP-050587	45.008	0254	1	6.10.0	Rel-6	Correction for maximum TX power for CS access on common BCCH cells			approved	F	6.11.0	TEI6	G1
GP-050483	45.008	0255	1	6.10.0	Rel-6	Provision of cell reselection parameters for neighbouring cells in the serving cell			approved	B	6.11.0	TEI6	G1
GP-050278	45.008	0258	-	6.10.0	Rel-6	Clarifications to PR mode B			approved	F	6.11.0	TEI6	G1
GP-050297	45.008	0261	-	6.10.0	Rel-6	Correction of reference specification for mapping of 3G measurements			approved	F	6.11.0	TEI6	G1
GP-050139	45.010	0031	-	6.3.0	Rel-6	Timing Advance for multiple TBFs in Packet Transfer mode			approved	F	6.4.0	TEI6	G1
GP-050289	45.010	0032	-	6.3.0	Rel-6	Timing advance for MBMS			approved	B	6.4.0	MBMS	G1
GP-050036	45.050	0003	-	6.1.0	Rel-6	Correction of figures for MBMS			approved	F	6.2.0	MBMS	G1
GP-050484	45.902	0024	1	6.7.0	Rel-6	Inclusion of 60ms interleaving for FLO			approved	C	6.8.0	FLOG ER	G1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
GP-050538	48.008	0144	1	6.7.0	Rel-6	Clarification on the provision of VGCS ciphering parameters	Approved	F	6.8.0	TEI6	G2
GP-050539	48.008	0145	1	6.7.0	Rel-6	Correction to Encryption Information IE for VGCS	Approved	F	6.8.0	TEI6	G2
GP-050255	48.008	0147	-	6.7.0	Rel-6	Paging Information	Approved	F	6.8.0	TEI6	G2
GP-050540	48.008	0148	1	6.7.0	Rel-6	Miscellaneous editorial changes	Approved	D	6.8.0	TEI6	G2
GP-050260	48.008	0149	-	6.7.0	Rel-6	Group Call Reference handling by the MSC	Approved	F	6.8.0	TEI6	G2
GP-050415	48.016	0021	1	6.1.0	Rel-6	Moving of data flow when marking remote IP endpoint non-operational	Approved	F	6.2.0	TEI6	G2
GP-050319	48.018	0120	-	6.6.0	Rel-6	Identifying Session ID as optional	Approved	B	6.7.0	MBMS	G2
GP-050569	48.058	0014	2	6.0.0	Rel-6	Incorrect length of group call reference IE	Approved	F	6.1.0	TEI6	G2
GP-050570	48.058	0017	1	6.0.0	Rel-6	Incorrect length of the eMLPP priority	Approved	F	6.1.0	TEI6	G2
GP-050007	51.010-1	2612	-	6.0.1	Rel-6	Corrections to Inter-RAT test cases	Revised	F		Inter system handover	G3new
GP-050475	51.010-1	2612	1	6.0.1	Rel-6	Corrections to Inter-RAT test cases	Approved	F	6.1.0	Inter system handover	G3new
GP-050009	51.010-1	2613	-	6.0.1	Rel-6	Correction to test case 18.1 Temporary reception gaps, single slot	Approved	F	6.1.0	GSM	G3new
GP-050018	51.010-1	2614	-	6.0.0	Rel-6	Bad parameters after cell reselection	Approved	F	6.1.0	GPRS	G3new
GP-050019	51.010-1	2615	-	6.0.0	Rel-6	Addition of time to allow BSIC decoding	Approved	F	6.1.0	GPRS	G3new
GP-050020	51.010-1	2616	-	6.0.0	Rel-6	Addition of time to allow BSIC decoding	Approved	F	6.1.0	GPRS	G3new
GP-050021	51.010-1	2617	-	6.0.0	Rel-6	Change to avoid unwanted cell reselection	Approved	F	6.1.0	GPRS	G3new
GP-050022	51.010-1	2618	-	6.0.0	Rel-6	Change to avoid unwanted cell reselection	Approved	F	6.1.0	GPRS	G3new
GP-050023	51.010-1	2619	-	6.0.0	Rel-6	Removal of the TC as it is not testing the 'Test Purpose'	Approved	F	6.1.0	GPRS	G3new
GP-050024	51.010-1	2620	-	6.0.0	Rel-6	Use of CS call instead of Data transfer.	Withdrawn	F		GPRS	G3new
GP-050026	51.010-1	2622	-	6.0.1	Rel-6	Network Control measurement reporting / NC_FREQUENCY_LIST / NC_FREQUENCY_LIST in Packet measurement order.	Approved	F	6.1.0	GPRS	G3new
GP-050027	51.010-1	2623	-	6.0.1	Rel-6	DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Revised	F		GPRS	G3new
GP-050460	51.010-1	2623	1	6.0.1	Rel-6	DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Revised	F		GPRS	G3new
GP-050509	51.010-1	2623	2	6.0.1	Rel-6	DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Revised	F		GPRS	G3new
GP-050549	51.010-1	2623	3	6.0.1	Rel-6	DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Approved	F	6.1.0	GPRS	G3new
GP-050028	51.010-1	2624	-	6.0.1	Rel-6	Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO 1	Revised	F		GPRS	G3new
GP-050463	51.010-1	2624	1	6.0.1	Rel-6	Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO 1	Approved	F	6.1.0	GPRS	G3new
GP-050029	51.010-1	2625	-	6.0.1	Rel-6	Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	Revised	F		GPRS	G3new
GP-050464	51.010-1	2625	1	6.0.1	Rel-6	Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	Withdrawn	F		GPRS	G3new
GP-050030	51.010-1	2626	-	6.0.1	Rel-6	BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Revised	F		GPRS	G3new
GP-050465	51.010-1	2626	1	6.0.1	Rel-6	BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Revised	F		GPRS	G3new
GP-050550	51.010-1	2626	2	6.0.1	Rel-6	BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Approved	F	6.1.0	GPRS	G3new
GP-050031	51.010-1	2627	-	6.0.1	Rel-6	RR / Paging / on PCCCH for GPRS service/ paging reorganisation successful	Withdrawn	F		GPRS	G3new
GP-050032	51.010-1	2628	-	6.0.1	Rel-6	RR / Paging / on PCCCH for GPRS service/ paging reorganisation successful	Withdrawn	F		GPRS	G3new
GP-050042	51.010-1	2629	-	6.0.1	Rel-6	Correction to Related PICS/PIXIT Statement	Approved	F	6.1.0	DTM	G3new
GP-050044	51.010-1	2630	-	6.0.1	Rel-6	Remove unnecessary requirement for TCH/H	Approved	F	6.1.0	GPRS	G3new
GP-050045	51.010-1	2631	-	6.0.1	Rel-6	Various corrections to test procedure, test sequence and specific message contents	Approved	F	6.1.0	GPRS	G3new
GP-050046	51.010-1	2632	-	6.0.1	Rel-6	Correction of step numbering in test sequence	Approved	F	6.1.0	GPRS	G3new
GP-050047	51.010-1	2633	-	6.0.1	Rel-6	Various corrections to test procedure, test sequence and specific message contents	Approved	F	6.1.0	GPRS	G3new

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GP-050048	51.010-1	2634	-	6.0.1	Rel-6	Correction to specific message content			Approved	F	6.1.0	GPRS	G3new
GP-050049	51.010-1	2635	-	6.0.1	Rel-6	Correction to specific message content			Approved	F	6.1.0	GPRS	G3new
GP-050050	51.010-1	2636	-	6.0.1	Rel-6	Correction to specific message content and expected sequence			Approved	F	6.1.0	GPRS	G3new
GP-050060	51.010-1	2637	-	6.0.1	Rel-6	Expected Sequence does not match standard Call Establishment procedure			Approved	F	6.1.0	ISHO	G3new
GP-050061	51.010-1	2638	-	6.0.1	Rel-6	Provision for Two-Phase Access added in the expected sequence.			Approved	F	6.1.0	GPRS	G3new
GP-050062	51.010-1	2639	-	6.0.1	Rel-6	Handling of MS requesting one phase access.			Revised	F		GPRS	G3new
GP-050461	51.010-1	2639	1	6.0.1	Rel-6	Handling of MS requesting one phase access.			Approved	F	6.1.0	GPRS	G3new
GP-050063	51.010-1	2640	-	6.0.1	Rel-6	Remove unnecessary checking of number of received RLC blocks.			Revised	F		GPRS	G3new
GP-050511	51.010-1	2640	1	6.0.1	Rel-6	Remove unnecessary checking of number of received RLC blocks.			Approved	F	6.1.0	GPRS	G3new
GP-050064	51.010-1	2641	-	6.0.1	Rel-6	Correction to step numbering.			Approved	F	6.1.0	GPRS	G3new
GP-050065	51.010-1	2642	-	6.0.1	Rel-6	Correction to SMS radio priority level.			Withdrawn	F		GPRS	G3new
GP-050066	51.010-1	2643	-	6.0.1	Rel-6	Handling of MS requesting one phase access.			Revised	F		GPRS	G3new
GP-050466	51.010-1	2643	1	6.0.1	Rel-6	Handling of MS requesting one phase access.			Approved	F	6.1.0	GPRS	G3new
GP-050067	51.010-1	2644	-	6.0.1	Rel-6	Allow for two phase access.			Approved	F	6.1.0	GPRS	G3new
GP-050068	51.010-1	2645	-	6.0.1	Rel-6	Provision for Two-Phase Access added in the expected sequence.			Approved	F	6.1.0	EGPR	G3new
GP-050069	51.010-1	2646	-	6.0.1	Rel-6	Handling of MS requesting one phase access.			Revised	F		EGPR	G3new
GP-050480	51.010-1	2646	1	6.0.1	Rel-6	Handling of MS requesting one phase access.			Approved	F	6.1.0	EGPR	G3new
GP-050070	51.010-1	2647	-	6.0.1	Rel-6	Remove unnecessary checking of number of received RLC blocks.			Revised	F		EGPR	G3new
GP-050512	51.010-1	2647	1	6.0.1	Rel-6	Remove unnecessary checking of number of received RLC blocks.			Approved	F	6.1.0	EGPR	G3new
GP-050071	51.010-1	2648	-	6.0.1	Rel-6	Correction in the message sequence and step numbering.			Approved	F	6.1.0	EGPR	G3new
GP-050072	51.010-1	2649	-	6.0.1	Rel-6	Correction to SMS radio priority level.			Withdrawn	F		EGPR	G3new
GP-050073	51.010-1	2650	-	6.0.1	Rel-6	Handling of MS requesting one phase access.			Revised	F		EGPR	G3new
GP-050467	51.010-1	2650	1	6.0.1	Rel-6	Handling of MS requesting one phase access.			Approved	F	6.1.0	EGPR	G3new
GP-050074	51.010-1	2651	-	6.0.1	Rel-6	Allow for two phase access.			Approved	F	6.1.0	EGPR	G3new
GP-050075	51.010-1	2652	-	6.0.1	Rel-6	Remove redundant CM SERVICE ACCEPT message.			Approved	F	6.1.0	A-GPS	G3new
GP-050076	51.010-1	2653	-	6.0.1	Rel-6	Modification to the timing requirements of the testcase 20.22.13.			Approved	F	6.1.0	GPRS	G3new
GP-050077	51.010-1	2654	-	6.0.1	Rel-6	Modification to the testcase 20.22.5.			Withdrawn	F		GPRS	G3new
GP-050078	51.010-1	2655	-	6.0.1	Rel-6	Changes in the testcase 41.2.2.3			Withdrawn	F		GPRS	G3new
GP-050079	51.010-1	2656	-	6.0.1	Rel-6	Removing the macro used for the cell update in testcase 41.3.6.6.			Revised	F		GPRS	G3new
GP-050547	51.010-1	2656	1	6.0.1	Rel-6	Removing the macro used for the cell update in testcase 41.3.6.6.			Approved	F	6.1.0	GPRS	G3new
GP-050080	51.010-1	2657	-	6.0.1	Rel-6	Correction to the testcase 41.3.6.9.			Approved	F	6.1.0	GPRS	G3new
GP-050081	51.010-1	2658	-	6.0.1	Rel-6	Changes in the testcase 41.5.1.1.1.3			Revised	F		GPRS	G3new
GP-050494	51.010-1	2658	1	6.0.1	Rel-6	Changes in the testcase 41.5.1.1.1.3			Approved	F	6.1.0	GPRS	G3new
GP-050082	51.010-1	2659	-	6.0.1	Rel-6	Changes in the PICS/PIXIT statement of the testcase 41.5.1.1.2.3.4.			Approved	F	6.1.0	GPRS	G3new
GP-050083	51.010-1	2660	-	6.0.1	Rel-6	Changes in the testcase 41.5.2.1			Approved	F	6.1.0	GPRS	G3new
GP-050084	51.010-1	2661	-	6.0.1	Rel-6	Changes in the testcase 41.5.2.4			Approved	F	6.1.0	GPRS	G3new
GP-050085	51.010-1	2662	-	6.0.1	Rel-6	Corrections in the expected sequence 42.3.1.1.10.			Approved	F	6.1.0	GPRS	G3new

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GP-050086	51.010-1	2663	-	6.0.1	Rel-6	Removing the reference to the non-existing section in specific message contents in the testcase 42.3.3.3.		Approved	F	6.1.0	GPRS	G3new
GP-050087	51.010-1	2664	-	6.0.1	Rel-6	Changes in the testcase 42.4.2.3.3		Revised	F		GPRS	G3new
GP-050468	51.010-1	2664	1	6.0.1	Rel-6	Changes in the testcase 42.4.2.3.3		Approved	F	6.1.0	GPRS	G3new
GP-050088	51.010-1	2665	-	6.0.1	Rel-6	Changes in the testcase 51.2.2.3		Withdrawn	F		EGPRS	G3new
GP-050089	51.010-1	2666	-	6.0.1	Rel-6	Removing the macro used for the cell update in testcase 51.3.6.6.		Revised	F		EGPRS	G3new
GP-050548	51.010-1	2666	1	6.0.1	Rel-6	Removing the macro used for the cell update in testcase 51.3.6.6.		Approved	F	6.1.0	EGPRS	G3new
GP-050090	51.010-1	2667	-	6.0.1	Rel-6	Changes in the testcase 51.3.6.9.		Approved	F	6.1.0	EGPRS	G3new
GP-050091	51.010-1	2668	-	6.0.1	Rel-6	Removing the reference to the non-existing section in specific message contents of the testcase 52.3.3.3.		Approved	F	6.1.0	EGPRS	G3new
GP-050092	51.010-1	2669	-	6.0.1	Rel-6	Changes in the initial conditions of the testcases in sec 60.		Approved	F	6.1.0	GPRS	G3new
GP-050099	51.010-1	2670	-	6.0.0	Rel-6	Removal of Single Slot allocation for DTM		Withdrawn	C		DTM	G3new
GP-050100	51.010-1	2671	-	6.0.0	Rel-6	Correction to test case 20.22.29		Approved	F	6.1.0	Intersterm Change	G3new
GP-050101	51.010-1	2672	-	6.0.1	Rel-6	Correction to test case 42.4.5.3		Revised	F		GPRS	G3new
GP-050469	51.010-1	2672	1	6.0.1	Rel-6	Correction to test case 42.4.5.3		Approved	F	6.1.0	GPRS	G3new
GP-050102	51.010-1	2673	-	6.0.1	Rel-6	Section 14.7.1 Blocking and spurious response - speech channels		Revised	F		GPRS	G3new
GP-050459	51.010-1	2673	1	6.0.1	Rel-6	Section 14.7.1 Blocking and spurious response - speech channels		Revised	F		GPRS	G3new
GP-050505	51.010-1	2673	2	6.0.1	Rel-6	Blocking and spurious response - speech channels		Approved	F	6.1.0	GPRS	G3new
GP-050103	51.010-1	2674	-	6.0.1	Rel-6	CR 51.0EGPRS Uplink Power Control - Use of (and (CH parameters		Approved	F	6.1.0	GPRS	G3new
GP-050115	51.010-1	2675	-	6.0.1	Rel-6	Change in the Network Mode of Operation		Approved	F	6.1.0	GPRS	G3new
GP-050116	51.010-1	2676	-	6.0.1	Rel-6	Correcting the SAPI		Approved	F	6.1.0	GPRS	G3new
GP-050117	51.010-1	2677	-	6.0.1	Rel-6	Removing redundant Step		Approved	F	6.1.0	GPRS	G3new
GP-050118	51.010-1	2678	-	6.0.1	Rel-6	Change in the Network Mode of Operation		Approved	F	6.1.0	GPRS	G3new
GP-050119	51.010-1	2679	-	6.0.1	Rel-6	Section 11 General Tests		Approved	F	6.1.0	GSM	G3new
GP-050120	51.010-1	2680	-	6.0.1	Rel-6	EFR Signalling / Structured procedures / MS originated call / late assignment		Approved	F	6.1.0	GSM	G3new
GP-050121	51.010-1	2681	-	6.0.1	Rel-6	Structured Procedures / MS terminated call / early assignment		Approved	F	6.1.0	GSM	G3new
GP-050122	51.010-1	2682	-	6.0.1	Rel-6	Structured Procedures / emergency call		Approved	F	6.1.0	GSM	G3new
GP-050123	51.010-1	2683	-	6.0.1	Rel-6	Section 26.12.8 Default contents of layer 3 messages for Enhanced Full rate speech tests		Approved	F	6.1.0	GSM	G3new
GP-050147	51.010-1	2684	-	6.0.1	Rel-6	Section 17- 17.2 Inter cell handover - New test case and addition to handover procedure to R99 and newer mobiles.		Withdrawn	F		GSM	G3new
GP-050148	51.010-1	2685	-	6.0.1	Rel-6	Inter cell handover, synchronized cell – New test proposed		Withdrawn	-		-	G3new
GP-050149	51.010-1	2686	-	6.0.1	Rel-6	Measurement / multiband environment - Removed Ext-Ind from SI2ter and SI5ter. PCS band added.		Approved	F	6.1.0	Circuit Switched	G3new
GP-050150	51.010-1	2687	-	6.0.1	Rel-6	Handover / successful / active call / finely synchronized		Approved	F	6.1.0	GPRS	G3new
GP-050151	51.010-1	2688	-	6.0.1	Rel-6	Handover / layer 1 failure		Approved	F	6.1.0	GPRS	G3new
GP-050152	51.010-1	2689	-	6.0.1	Rel-6	Location updating		Approved	F	6.1.0	GSM	G3new
GP-050153	51.010-1	2690	-	6.0.1	Rel-6	Directed Retry / Mobile Originated Call - PCS band missing.		Approved	F	6.1.0	GSM	G3new
GP-050154	51.010-1	2691	-	6.0.1	Rel-6	PCS band missing.		Approved	F	6.1.0	Circuit Switched	G3new
GP-050155	51.010-1	2692	-	6.0.1	Rel-6	M=3 – Location update after the handover procedure on cell B		Withdrawn	-		-	G3new

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GP-050156	51.010-1	2693	-	6.0.1	Rel-6	Requirement 2 not tested and then removed			Withdrawn	-	-	-	G3new
GP-050157	51.010-1	2694	-	6.0.1	Rel-6	CKSN missing in initial conditions			Approved	F	6.1.0	GPRS	G3new
GP-050158	51.010-1	2695	-	6.0.1	Rel-6	26.11.5.1 - Modification of Classmark Change content for 850/1900 MS			Approved	F	6.1.0	GSM	G3new
GP-050159	51.010-1	2696	-	6.0.1	Rel-6	Inband Signalling, Uplink Codec Adaptation			Approved	F	6.1.0	GSM	G3new
GP-050160	51.010-1	2697	-	6.0.1	Rel-6	AMR signalling / Handover / active call / successful case			Revised	F	-	GSM	G3new
GP-050497	51.010-1	2697	1	6.0.1	Rel-6	AMR signalling / Handover / active call / successful case			Revised	F	-	GSM	G3new
GP-050504	51.010-1	2697	2	6.0.1	Rel-6	AMR signalling / Handover / active call / successful case			Approved	F	6.1.0	GSM	G3new
GP-050161	51.010-1	2698	-	6.0.1	Rel-6	AMR Signalling / Directed Retry / Mobile Originated Call			Approved	F	6.1.0	GSM	G3new
GP-050162	51.010-1	2699	-	6.0.1	Rel-6	AMR Signalling / Directed Retry / Mobile Terminated Call			Approved	F	6.1.0	GSM	G3new
GP-050163	51.010-1	2700	-	6.0.1	Rel-6	Section 26.16.11. Handover / layer 1 failure			Revised	F	-	GSM	G3new
GP-050371	51.010-1	2700	1	6.0.1	Rel-6	Section 26.16.11. Handover / layer 1 failure			Revised	F	-	GSM	G3new
GP-050498	51.010-1	2700	2	6.0.1	Rel-6	Section 26.16.11. Handover / layer 1 failure			Approved	F	6.1.0	GSM	G3new
GP-050164	51.010-1	2701	-	6.0.1	Rel-6	Section 26.16.10.2 Related Pics/Pixit modified			Revised	F	-	GPRS	G3new
GP-050499	51.010-1	2701	1	6.0.1	Rel-6	Section 26.16.10.2 Related Pics/Pixit modified			Approved	F	6.1.0	GPRS	G3new
GP-050165	51.010-1	2702	-	6.0.1	Rel-6	Section 34.4.5 - Removal of test			Approved	F	6.1.0	GPRS	G3new
GP-050166	51.010-1	2703	-	6.0.1	Rel-6	Section 40.2.x - Default message contents			Approved	F	6.1.0	GPRS	G3new
GP-050167	51.010-1	2704	-	6.0.1	Rel-6	Section 42.4.2.3.6 and 42.4.2.3.7 removing half rate testing.			Approved	F	6.1.0	GPRS	G3new
GP-050168	51.010-1	2705	-	6.0.1	Rel-6	Network Assisted Cell Change / Packet Neighbour Cell Data and Packet Cell Change Continue - Initial conditions clarification			Revised	F	-	GPRS	G3new
GP-050383	51.010-1	2705	1	6.0.1	Rel-6	Network Assisted Cell Change / Packet Neighbour Cell Data and Packet Cell Change Continue - Initial conditions clarification			Withdrawn	F	-	GPRS	G3new
GP-050169	51.010-1	2706	-	6.0.1	Rel-6	Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment			Revised	F	-	GPRS	G3new
GP-050384	51.010-1	2706	1	6.0.1	Rel-6	Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment			Approved	F	6.1.0	GPRS	G3new
GP-050170	51.010-1	2707	-	6.0.1	Rel-6	Handover to same routing area whilst in dedicated mode & MM Ready / Completed on the main DCCH - PDP context 2 removed			Approved	C	6.1.0	GPRS	G3new
GP-050171	51.010-1	2708	-	6.0.1	Rel-6	Handover to same routing area whilst in DTM with downlink TBF Established - removed misleading remark			Approved	D	6.1.0	GPRS	G3new
GP-050172	51.010-1	2709	-	6.0.1	Rel-6	Handover to same routing area whilst in DTM with both DL & UL TBFs / Successful case - Step B17 corrected			Revised	F	-	GPRS	G3new
GP-050479	51.010-1	2709	1	6.0.1	Rel-6	Handover to same routing area whilst in DTM with both DL & UL TBFs / Successful case - Step B17 corrected			Approved	F	6.1.0	GPRS	G3new
GP-050173	51.010-1	2710	-	6.0.1	Rel-6	Handover to different routing area whilst in DM / Performed on main DCCH / RAU complete before CS release - Specific message corrected			Approved	F	6.1.0	GPRS	G3new
GP-050174	51.010-1	2711	-	6.0.1	Rel-6	Handover to different routing area whilst in DM / Performed on main DCCH / CS release before RAU complete - Specific message corrected			Approved	F	6.1.0	GPRS	G3new
GP-050175	51.010-1	2712	-	6.0.1	Rel-6	Ignoring Packet Measurement Order and Packet Cell Change Order whilst in DTM - New Test proposal			Revised	B	-	GPRS	G3new
GP-050493	51.010-1	2712	1	6.0.1	Rel-6	Ignoring Packet Measurement Order and Packet Cell Change Order whilst in DTM - New Test proposal			Approved	B	6.1.0	GPRS	G3new
GP-050176	51.010-1	2713	-	6.0.1	Rel-6	Change between NC2 transfer mode and DTM mode - New Test proposal			Withdrawn	B	-	GPRS	G3new
GP-050177	51.010-1	2714	-	6.0.1	Rel-6	Network originating CS release / PS re-establishment / Cell reselection to non DTM cell / MT CS call establishment - New Test proposal			Withdrawn	B	-	GPRS	G3new
GP-050178	51.010-1	2715	-	6.0.1	Rel-6	Multiple Handover whilst in DTM / Cell supporting EGPRS DTM to Cell support GPRS DTM and back - New Test proposal			Withdrawn	B	-	GPRS	G3new
GP-050179	51.010-1	2716	-	6.0.1	Rel-6	Negotiation initiated by the SS (during ADM, for IOV- UI)			Revised	F	-	GPRS	G3new
GP-050473	51.010-1	2716	1	6.0.1	Rel-6	Negotiation initiated by the SS (during ADM, for IOV- UI)			Approved	F	6.1.0	GPRS	G3new
GP-050233	51.010-1	2717	-	6.0.1	Rel-6	DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)			Revised	F	-	DARP	G3new
GP-050451	51.010-1	2717	1	6.0.1	Rel-6	DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)			Revised	F	-	DARP	G3new
GP-050457	51.010-1	2717	2	6.0.1	Rel-6	DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)			Approved	F	6.1.0	DARP	G3new

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GP-050236	51.010-1	2718	-	6.0.1	Rel-6	New requirement added to applicability (PICS) in test cases 46.1.2.6.1 and 46.1.2.6.2			Approved	F	6.1.0	GPRS	G3new
GP-050238	51.010-1	2719	-	6.0.1	Rel-6	Cell Reselection based on C32 - Cell Reselection on CCH - PBCCH not present			Approved	F	6.1.0	GPRS	G3new
GP-050240	51.010-1	2720	-	6.0.1	Rel-6	Cell Reselection based on C32 - Cell Reselection on CCH - PBCCH not supported			Approved	F	6.1.0	GPRS	G3new
GP-050241	51.010-1	2721	-	6.0.1	Rel-6	Cell Reselection based on C32 quality / Cell Reselection on CCH - PBCCH not supported			Approved	F	6.1.0	GPRS	G3new
GP-050242	51.010-1	2722	-	6.0.1	Rel-6	Cell Reselection with cells in different Routing area - Cell Reselection on CCH - PBCCH not present			Approved	F	6.1.0	GPRS	G3new
GP-050243	51.010-1	2723	-	6.0.1	Rel-6	Clarifications and editorial changes to A-GPS tests			Approved	F	6.1.0	TEI	G3new
GP-050244	51.010-1	2724	-	6.0.1	Rel-6	Addition of A-GPS Scenario and Assistance data values in new clause 10.9			Revised	F		TEI	G3new
GP-050476	51.010-1	2724	1	6.0.1	Rel-6	Addition of A-GPS Scenario and Assistance data values in new clause 10.9			Approved	F	6.1.0	TEI	G3new
GP-050245	51.010-1	2725	-	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS based tests			Revised	F		TEI	G3new
GP-050477	51.010-1	2725	1	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS based tests			Approved	F	6.1.0	TEI	G3new
GP-050246	51.010-1	2726	-	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS assisted tests			Revised	F		TEI	G3new
GP-050501	51.010-1	2726	1	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS assisted tests			Approved	F	6.1.0	TEI	G3new
GP-050247	51.010-1	2727	-	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS assisted tests in section 70.8.4.X			Revised	F		TEI	G3new
GP-050502	51.010-1	2727	1	6.0.1	Rel-6	Revision of A-GPS assistance data delivery and values for MS assisted tests in section 70.8.4.X			Approved	F	6.1.0	TEI	G3new
GP-050251	51.010-1	2728	-	6.0.1	Rel-6	Section 26.6.5.1 - Handover / successful / active call / non-synchronized			Approved	F	6.1.0	GSM	G3new
GP-050258	51.010-1	2729	-	6.0.1	Rel-6	Attach Reject Procedure to be introduced as additional test steps to set T3302 to 1 minute.			Revised	F		GPRS	G3new
GP-050513	51.010-1	2729	1	6.0.1	Rel-6	Attach Reject Procedure to be introduced as additional test steps to set T3302 to 1 minute.			Approved	F	6.1.0	GPRS	G3new
GP-050266	51.010-1	2730	-	6.0.1	Rel-6	RXQUAL - TCH/AFS DTX on - correction to equation			Revised	F		AMR	G3new
GP-050452	51.010-1	2730	1	6.0.1	Rel-6	RXQUAL - TCH/AFS DTX on - correction to equation			Approved	F	6.1.0	AMR	G3new
GP-050281	51.010-1	2731	-	6.0.1	Rel-6	42.3.2.2.2-Removal of obsolete test step			Revised	F		GPRS	G3new
GP-050470	51.010-1	2731	1	6.0.1	Rel-6	42.3.2.2.2-Removal of obsolete test step			Approved	F	6.1.0	GPRS	G3new
GP-050282	51.010-1	2732	-	6.0.1	Rel-6	52.3.2.2.2-Removal of obsolete test step			Revised	F		GPRS	G3new
GP-050471	51.010-1	2732	1	6.0.1	Rel-6	52.3.2.2.2-Removal of obsolete test step			Approved	F	6.1.0	GPRS	G3new
GP-050370	51.010-1	2733	-	6.0.1	Rel-6	Section 42.4.8.x.x - SI2quarter specific message contents corrected			Approved	F	6.1.0	GPRS	G3new
GP-050397	51.010-1	2734	-	6.0.0	Rel-6	52.3.1.2.2 - Change to avoid unwanted cell reselection			Approved	F	6.1.0	GPRS	G3new
GP-050398	51.010-1	2735	-	6.0.0	Rel-6	52.3.1.2.3 - Change to avoid unwanted cell reselection			Revised	F		GPRS	G3new
GP-050462	51.010-1	2735	1	6.0.0	Rel-6	52.3.1.2.3 - Change to avoid unwanted cell reselection			Approved	F	6.1.0	GPRS	G3new
GP-050472	51.010-1	2736	-	6.0.1	Rel-6	Section 42.4.5.5 Network Assisted Cell Change / Expiry of T3208 and T3210 – 15% Timer Tolerance changed to 10%			Approved	F	6.1.0	GPRS	G3new
GP-050474	51.010-1	2737	-	6.0.1	Rel-6	GPRS Cell Selection and Reselection			Approved	F	6.1.0	GPRS	G3new
GP-050514	51.010-1	2738	-	6.0.1	Rel-6	Change to expected sequence.			Revised	F		GPRS	G3new
GP-050552	51.010-1	2738	1	6.0.1	Rel-6	Change to expected sequence.			Approved	F	6.1.0	GPRS	G3new
GP-050515	51.010-1	2739	-	6.0.1	Rel-6	Change to expected sequence.			Withdrawn	F		EGPRS	G3new
GP-050043	51.010-2	0210	-	6.0.0	Rel-6	Correction to Tables A.1, B.1 - DTM/GPRS Multislot Class 11, Condition C308 and Applicability of Testcase 57.2.1			Approved	F	6.1.0	DTM	G3new
GP-050093	51.010-2	0211	-	6.0.0	Rel-6	Corrections in the testcase applicability table.			Approved	F	6.1.0	GPRS	G3new
GP-050180	51.010-2	0212	-	6.0.1	Rel-6	Annex B - Addition of testcase 17.3			Withdrawn	-		-	G3new
GP-050181	51.010-2	0213	-	6.0.0	Rel-6	Annex B - Removal of testcase 34.4.5			Approved	F	6.1.0	GPRS	G3new
GP-050182	51.010-2	0214	-	6.0.0	Rel-6	Section Annex B - Addition of test case 42.4.8.5.1			Withdrawn	B		GPRS	G3new
GP-050183	51.010-2	0215	-	6.0.0	Rel-6	Section Annex B - Addition of test case 42.4.8.5.2			Withdrawn	B		GPRS	G3new
GP-050184	51.010-2	0216	-	6.0.0	Rel-6	Section Annex B - Addition of test case 47.2.4			Withdrawn	F		GPRS	G3new
GP-050185	51.010-2	0217	-	6.0.0	Rel-6	Section Annex B - Addition of test case 57.3.5.2			Withdrawn	B		GPRS	G3new
GP-050186	51.010-2	0218	-	6.0.0	Rel-6	Section A.4.8 addition of PICSs to specify support of header compression algorithm types			Revised	F		GPRS	G3new
GP-050551	51.010-2	0218	1	6.0.0	Rel-6	Section A.4.8 addition of PICSs to specify support of header compression algorithm types			Approved	F	6.1.0	GPRS	G3new
GP-050187	51.010-2	0219	-	6.0.0	Rel-6	Annex B - Modification of C327			Approved	F	6.1.0	AMR	G3new
GP-050188	51.010-2	0220	-	6.0.0	Rel-6	Section Annex B - Change in the title of 17.2			Withdrawn	D		GSM	G3new
GP-050227	51.010-2	0221	-	6.0.0	Rel-6	Correction to applicability condition C235			Approved	F	6.1.0	GPRS	G3new

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT				TSG status	Cat	New version	WI	WG Resp
GP-050234	51.010-2	0222	-	6.0.0	Rel-6	DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)				Approved	F	6.1.0	DARP	G3new
GP-050237	51.010-2	0223	-	6.0.0	Rel-6	Addition of PICS for GPRS				Approved	F	6.1.0	GPRS	G3new
GP-050239	51.010-2	0224	-	6.0.0	Rel-6	Cell Reselection based on C32 - Cell Reselection on CCCH - PBCCCH not present				Approved	F	6.1.0	GPRS	G3new
GP-050366	51.010-2	0225	-	6.0.0	Rel-6	Applicability of RX Qual Test Cases 21.3.1, 21.3.2, 21.4.1				Revised	F		RX Qual Test Cases	G3new
GP-050386	51.010-2	0225	1	6.0.0	Rel-6	Applicability of RX Qual Test Cases 21.3.1, 21.3.2, 21.4.1				Revised	F		RX Qual Test Cases	G3new
GP-050507	51.010-2	0225	2	6.0.0	Rel-6	Applicability of RX Qual Test Cases 21.3.1, 21.3.2, 21.4.1				Approved	F	6.1.0	RX Qual Test Cases	G3new
GP-050025	51.010-2	0226	-	6.0.0	Rel-6	Removal of the TC 42.4.4.4 - Part 2				Approved	F	6.1.0	GPRS	G3new
GP-050453	51.010-2	0227	-	6.0.0	Rel-6	Correction to part 2 to include missing TCs in table B.1				Revised	F		TEI6	G3new
GP-050500	51.010-2	0227	1	6.0.0	Rel-6	Correction to part 2 to include missing TCs in table B.1				Approved	F	6.1.0	TEI6	G3new
GP-050478	51.010-2	0228	-	6.0.0	Rel-6	Differentiation of Single/Multi slot DTM test cases.				Approved	C	6.1.0	DTM	G3new
GP-050051	51.010-3	0039	-	6.0.0	Rel-6	12s delay required between Channel Release and the next Paging Request.				Approved	F	6.1.0	GSM	G3new
GP-050052	51.010-3	0040	-	6.0.0	Rel-6	12s delay required between Channel Release and the next Paging Request.				Approved	F	6.1.0	GSM	G3new
GP-050053	51.010-3	0041	-	6.0.0	Rel-6	12 s delay required between Channel Release and the next Paging Request				Revised	F		GSM	G3new
GP-050495	51.010-3	0041	1	6.0.0	Rel-6	12 s delay required between Channel Release and the next Paging Request				Approved	F	6.1.0	GSM	G3new
GP-050054	51.010-3	0042	-	6.0.0	Rel-6	Power interrupt message needs to be displayed to user				Approved	F	6.1.0	GSM	G3new
GP-050055	51.010-3	0043	-	6.0.0	Rel-6	To handle redundant Handover Access bursts during Call Handling				Approved	F	6.1.0	GSM	G3new
GP-050056	51.010-3	0044	-	6.0.0	Rel-6	Initiation of speech call as the first mode of service in Alternate Speech/ Fax service (Dual Mode Service).				Approved	F	6.1.0	GSM	G3new
GP-050057	51.010-3	0045	-	6.0.0	Rel-6	TpSubmit fails to constrain the CP DATA				Approved	F	6.1.0	GSM	G3new
GP-050058	51.010-3	0046	-	6.0.0	Rel-6	To handle timing issues when sending two subsequent messages - one on SAPI 3 and the next on SAPI 1				Approved	F	6.1.0	GSM	G3new
GP-050059	51.010-3	0047	-	6.0.0	Rel-6	To handle Handover Access Bursts on SACCH channel also				Revised	F		GSM	G3new
GP-050496	51.010-3	0047	1	6.0.0	Rel-6	To handle Handover Access Bursts on SACCH channel also				Approved	F	6.1.0	GSM	G3new
GP-050008	51.010-5	0001	-	6.0.0	Rel-6	Update of verified Test Cases for Inter-RAT				Approved	F	6.1.0	ALTE RE/Int er-RAT	G3new

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

NOTE: Release 4 Project Plan is no longer provided here. This is available in earlier TSG SA Reports.

Annex G: 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

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	2479	R3		N	lub/lur protocol aspects	HSDPA-lub/lur	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 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	RlInImp	TSG	14/08/2000 08:00	30/08/2002 17:00	89%	No	No			
BB	3248	R4	Rel-5	N	Base station classification	RlInImp-BSCClass	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	RlInImp-BSCClass-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	RlInImp-BSCClass-LCRTDD	TSG	15/06/2001 08:00	14/06/2002 17:00	100%	No	No			Meik Kottkamp, Siemens
BB	3256	R1	Rel-5	N	Enhancement on the DSCH hard split mode	RlInImp-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	RlInImp-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	RlInImp-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 efficiency test method performance requirements	RlInImp-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	RlInImp-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	RlInImp-CPICH_I	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	nrf		18/02/2002 08:00	30/08/2002 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
WT	3269	T1	Rel-5	N	Testing improvement of inter-frequency and inter-system measurement			18/02/20 02 08:00	30/08/20 02 17:00	0%	No	No		start/finish dates set...	
WT	3270	T1	Rel-5	N	Testing Hybrid ARQ II/III			18/02/20 02 08:00	30/08/20 02 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-ncf	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
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 Kähkölä, Nokia

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F/BB/WT	WIID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
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 enhancements			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	NETSH ARE		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
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 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]

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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	3297	N1		N	Impact on MM/CC/SM	IMS-CCR-IWMM		28/08/20 00 08:00	08/03/20 02 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	03/01/20 00 08:00	14/06/20 02 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/Inf ormation/WI_Sheet/NP-010643.pdf 50 24/01/2002 08:00 No Yes 3 12.1.4 Fixed Duration 2233 drage@lucent.com No No N1	Keith Drage, Lucent drage@lucent.com
WT	3299	N1		N	IMS signalling flows		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	Yes	Yes	TS 24.228		
WT	3300	N1		N	IMS stage 3		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	Yes	Yes	TS 24.229		
WT	3301	N1		N	IMS Session Handling: stage 2		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	No	No	TS 23.218		
WT	3302	NP		N	Main IETF dependencies			03/01/20 00 08:00	07/06/20 02 17:00	96%	No	No			
WT	3303	N1		N	IETF: RFC 3261 (Session Initiation Protocol)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3304	N1		N	IETF: RFC 3262 (Reliability of provisional responses)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3305	N1		N	IETF: RFC 3312 (Without COMET)(Integration of resource management and SIP)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3306	N1		N	IETF: RFC 3323 (SIP extensions for caller identity and privacy)			24/11/20 00 08:00	13/05/20 02 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	3307	N1		N	IETF: RFC 3313 (SIP extensions for media authorization)			24/11/20 00:08:00	13/05/20 02:17:00	100%	No	No			
WT	3308	N1		N	IETF: RFC 3265 (specific event notification)			24/11/20 00:08:00	22/03/20 02:17:00	100%	No	No			
WT	3309	N1		N	IETF: RFC editor Queue (refer method)			24/11/20 00:08:00	07/06/20 02:17:00	100%	No	No			
WT	3310	N1		N	IETF: RFC editor Queue (DHCP options for SIP servers)			24/11/20 00:08:00	13/05/20 02:17:00	100%	No	No			
WT	3312	N1		N	IETF: RFC 3267 (AMR and AMR WB RTP and SDP)			24/11/20 00:08:00	22/03/20 02:17:00	100%	No	No			
WT	3313	N1		N	IETF: RFC 3266 (IPv6 support within SDP)			03/01/20 00:08:00	22/03/20 02:17:00	100%	No	No			
WT	3314	N1		N	IETF: RFC 3311 (The Update method)			24/11/20 00:08:00	13/05/20 02:17:00	100%	No	No			
WT	3315	N1		N	IETF: RFC 3324 (Network Asserted Identity)			24/11/20 00:08:00	13/05/20 02:17:00	100%	No	No			
WT	3316	N1		N	IETF: RFC editor Queue (Various 3GPP Private Extensions)			24/11/20 00:08:00	13/05/20 02:17:00	100%	No	No			
WT	3317	S2		N	Addressing			09/10/20 00:08:00	22/03/20 02:17:00	100%	No	No			
WT	3318	S2		N	Architectural issues			09/10/20 00:08:00	31/08/20 01:17:00	100%	No	No			
WT	3319	N4		N	Impact on HSS			15/11/20 00:08:00	22/03/20 02:17:00	100%	No	No		17th May, KK: This is cover by 29.228 & 29228. Work complete.	
WT	3320	S1		Y	Service Examples (Work stopped)	IMS-Sex	TSG	17/04/20 01:08:00	14/06/20 02:17:00	31%	No	No	22.928		Mark Cataldo, Motorola mcatald1@email.mot.com
WT	3321	S1		Y	IMS Framework Report (work stopped)	IMS-FrWk	TSG	17/04/20 01:08:00	14/06/20 02:17:00	50%	No	No	22.941		Randolph Wohler, SBC Technology Resources, Inc. rwohler@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	Kristen Boman, Ericsson kristen.boman@erics.com
WT	3324	T3		N	IMS impacts on UICC (ISIM application)			08/10/20 01:08:00	21/06/20 02:17:00	100%	No	No			Jeremy Norris (Vodafone)
WT	3325	N1		N	SIP extensions for integrity protection			17/12/20 01:08:00	28/06/20 02:17:00	100%	No	No		Per 26/2-02: CN1 is not aware of any requirements and is not doing anything on this task.	

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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	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
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			

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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	3343	N4		N	Cx interface (HSS to CSCF)		TSG	14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No		DAB 12/12/01 to 75%...	
WT	3344	N4		Y	Mp interface (MRFC - MRFP) enhancements			14/03/20 01:08:00	08/03/20 02:17:00	100%	No	No		[DAB 08-03-02] - No work required in CN4	
WT	3345	N1		N	Mw interface (CSCF to P-CSCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
WT	3346	N1		N	Mr interface (CSCF to MRF)			14/03/20 01:08:00	29/03/20 02:17:00	100%	No	No			
WT	3347	N4		Y	Dx interface (I-CSCF to SLF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
WT	3348	N3		N	Go interface (GGSN to PCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No		[DAB - 23/05/03] - 100 % complete	
WT	3349	N1		N	ISC (IMS Service Control) Interface			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
WT	3350	N4		Y	Sh interface (HSS to AS)			14/02/20 02:08:00	07/06/20 02:17:00	100%	No	No		CN4#11 30/11/01: No inputs received in CN4...	
WT	3351	N4		Y	Si interface (HSS to IM-SSF)			16/01/20 02:13:00	30/08/20 02:17:00	72%	No	No		SA16: Part of Rel5 only if completed in September 02	
WT	3352	N1		N	Gm interface (UE to CSCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
WT	3353	N1		N	Mi interface (CSCF to BGCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
WT	3354	N1		N	Mj interface (BGCF to MGCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
WT	3355	N1		N	Mk interface (BGCF to BGCF)			14/03/20 01:08:00	07/06/20 02:17:00	100%	No	No			
BB	3356	N5	Rel-5	Y	Support of VHE/OA by entities and protocols of the IMS (e.g. CSCF)	IMS-ONOSA	TSG	21/09/2 001 08:00	07/06/2 002 17:00	100 %	Yes	Yes	29.198, 29.998		ArJ-Jan MOERDIJK (Ericsson) ArJ.Jan.Moerdijk@e In.ericsson.se
BB	3357	N2	Rel-5	Y	CAMEL control of IMS services	IMS-CAMEL		16/04/2 001 08:00	06/09/2 002 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'			16/04/20 01:08:00	06/09/20 02:17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3359	N2		Y	Stage3 work 'CAP'			07/01/20 02:08:00	06/09/20 02:17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3360	N2		Y	Stage2 work 'Si interface'			07/01/20 02:08:00	06/09/20 02:17:00	100%	No	No		DAB 12.12.01 split into cn4 and cn2 parts	
WT	3361	N4		Y	Stage3 work 'Si interface'			14/02/20 02:08:00	07/06/20 02:17:00	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			14/02/20 02:08:00	07/06/20 02:17:00	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			15/06/2 001 08:00	15/03/2 002 17:00	60%	No	No			

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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 dependencies			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
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@nrfj.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

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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	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 Sweitina, 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@sie mens.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		
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@sie mens.at

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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	3393	S3		N	Stage 3		TSG	23/10/20 00:08:00	14/06/20 02:17:00	80%	No	No	???	??	
WT	3394	N5		N	security related SCF(s) definition		TSG	21/09/20 01:08:00	07/06/20 02:17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@e In.ericsson.se
WT	3395	S3		N	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		TSG	11/09/20 00:08:00	14/12/20 00:17:00	100%	No	No	???		
WT	3654	S3		N	Security (moved from Rel-6)		TSG	14/03/20 02:08:00	20/12/20 02:17:00	100%	No	No		Contribution at S3#25	
BB	3397	S2	Rel-5	N	Interactions OSA - e-commerce	OSA1-ECOM	TSG	11/07/2 00:08:00	07/06/2 00:02:17:00	97%	No	No			
WT	3398	S1		N	Stage 1		TSG	11/07/20 00:08:00	14/03/20 02:17:00	95%	No	No	22.127		Jörg Sweitina, SIEMENS AG
WT	3399	N5		N	Stages 2 and 3		TSG	21/09/20 01:08:00	07/06/20 02:17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@e In.ericsson.se
BB	2840	N5	Rel-5	N	Policy Management - Stage 3		TSG	11/09/2 00:08:00	07/06/2 00:02:17:00	100%	No	No	29.198- 13		
BB	2841	N5	Rel-5	N	Presence and Availability Management (PAM) - Stage 3		TSG	11/09/2 00:08:00	07/06/2 00:02:17:00	100%	No	No	29.198- 14		
BB	3400	S1	Rel-5	N	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	11/09/2 00:08:00	07/06/2 00:02:17:00	46%	No	No		az: CN#13 - changed to Rel5	Jörg Sweitina, SIEMENS AG
WT	3401	S1		N	Stage 1		TSG	11/09/20 00:08:00	08/12/20 00:17:00	100%	No	No	22.127		Jörg Sweitina, SIEMENS AG
WT	3402	S2		N	Stage 2		TSG	11/12/20 00:08:00	11/12/20 00:17:00	100%	No	No	23.127	az 24/05/01: Rel4 completion 90->100%.	Christophe GOURAUD, Ericsson Canada
WT	3403	N5		N	Stage 3		TSG	21/09/20 01:08:00	07/06/20 02:17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@e In.ericsson.se
BB	3648	S1		N	Access to User Profile	OSA2-UP	TSG	01/06/2 00:08:00	20/12/2 00:01:17:00	100%	No	No			
BB	3650	S2		N	Retrieval of Terminal capabilities	OSA2-TC	TSG	11/07/2 00:08:00	13/12/2 00:02:17:00	100%	No	No			
WT	3651	S1		N	Stage 1		TSG	11/07/20 00:08:00	10/01/20 01:17:00	100%	No	No	22.127		Jörg Sweitina, SIEMENS AG

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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	3652	N5		N	Stages 2 and 3		TSG	21/09/20 01 08:00	13/12/20 02 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@e In.ericsson.se
WT	3653	T2		N	Provisioning of the terminal capabilities		TSG	02/04/20 01 08:00	13/12/20 02 17:00	100%	No	No	23.057	According to T2 SWG1 M. Cataldo this is automatically supported by the MEXE support of UAPProf therefore 100% complete	
F	1638	S1	Rel-5	N	CAMEL phase 4	CAMEL4	WG	17/04/ 2000 08:00	06/09/ 2002 17:00	88%	No	No			Keijo Palviainen, Nokia keijo.palviainen@no kia.com
BB	1461	S1		N	Service requirements		WG	17/04/2 000 08:00	14/06/2 002 17:00	100 %	No	No			
BB	2012	N2		N	Call Party Handling	CAMEL4 -CPH	WG	10/07/2 000 08:00	07/06/2 002 17:00	100 %	No	No			
BB	2013	N2		N	Mid call procedure for MO and MT calls	CAMEL4 -MCP	WG	17/07/2 000 08:00	07/06/2 002 17:00	100 %	No	No			
BB	2014	N2		N	Interactions with Optimal Routing	CAMEL4 -IOR	WG	17/07/2 000 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2015	N2		N	Inclusion of flexible tone injection	CAMEL4 -IFTI	WG	17/07/2 000 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2016	N2		N	CSE control over MT SMS	CAMEL4 -CCSMS	WG	17/07/2 000 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2460	N2		N	Notification of GPRS mobility management to CSE	CAMEL4 -NMM	WG	02/03/2 001 08:00	07/06/2 002 17:00	100 %	No	No			
BB	2458	N2		N	Provision of location information of called subscriber	CAMEL4 -LOCB	WG	02/03/2 001 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2514	N2		N	Inclusion of ODB data in the CSE_HLR interface	CAMEL4 -ODB	WG	09/07/2 001 08:00	08/03/2 002 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	14/05/2 001 08:00	07/06/2 002 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	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	AMRW B	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			
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	
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 negotiation, 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			

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F/BB/WT	WIID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2739	S4		Y	TFO AMR-WB	AMRWB-TFO		18/12/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	890	S4		N	Other codec issues (verif., characterisation)			29/09/20 00 08:00	07/06/20 02 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 narrowband interworking	AMRWB-IWG		27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2741	S4		N	Interworking with fixed broadband networks			27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2742	S4		N	Tones and announcements			27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2743	S1		N	WB Conferencing and WB Voice Group calls (deleted)			03/01/20 00 08:00	03/01/20 00 17:00	0%	No	No			
WT	2744	S5	Rel-5	N	Billing, accounting and call detail record aspects			27/09/20 01 08:00	12/09/20 02 17:00	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
WT	1989	MLST		N	Start Testing			25/02/20 02 00:00	25/02/20 02 00:00	0%	No	No			
WT	1855	T1		N	Conformance tests (CRs to 34 series)			01/01/20 00 08:00	12/04/20 00 17:00	100%	No	No			
WT	76	S4		N	Terminal Acoustic Characteristics			01/01/20 00 08:00	12/04/20 00 17:00	100%	No	No			
WT	1628	S4		N	Definition		TSG	01/01/20 00 08:00	31/01/20 00 17:00	100%	No	Yes	26.131		
WT	1629	S4		N	Test specification		TSG	01/02/20 00 08:00	12/04/20 00 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	25/09/20 001 08:00	14/03/20 002 17:00	100 %	No	No	TS 26.204		J. Vainio (Nokia) janne.m.vainio@nok ia.com
BB	80	GP		N	Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR	GAMRW B	TSG	03/01/20 000 08:00	28/06/20 002 17:00	100 %	No	No			
WT	3191	GP		N	Channel coding in 45.003		TSG	03/01/20 00 08:00	05/04/20 02 17:00	100%	No	No			
WT	2266	GP		N	Signalling for the A interface		TSG	03/01/20 00 08:00	29/06/20 01 17:00	100%	No	No			
WT	2267	GP		N	Signalling for lu		TSG	03/01/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2268	GP		N	Receiver performance in TS 45.005		TSG	02/04/20 01 08:00	28/06/20 02 17:00	100%	No	No			
WT	2749	GP		N	Link Adaptation in 45.009			26/03/20 01 08:00	28/06/20 02 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	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 02:00	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
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 Wohliert, Pacific Bell Wireless rwohliert@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			

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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	2438	GP		N	Gb interface support for LCS		TSG	03/04/20 00:08:00	31/08/20 01:17:00	100%	No	No			
WT	2440	GP		N	L3 protocol support for LCS		TSG	03/04/20 00:08:00	01/06/20 01:17:00	100%	No	No			
WT	2441	GP		N	Stage 3 specifications		TSG	03/04/20 00:08:00	01/06/20 01:17:00	100%	No	No			
BB	2442	GP	Rel-5	N	Location Services for GERAN in lu Mode		TSG	03/04/20 00:08:00	28/06/20 00:02:17:00	100 %	No	No			
WT	2443	GP;R2; R3;S2; G1;G2		N	GERAN LCS Stage 2		TSG	03/04/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2444	GP;R2; R3;S2; G1;G2		N	lu-ps interface support for LCS		TSG	03/04/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2445	GP;R2; R3;S2; G1;G2		N	lu-cs interface support for LCS		TSG	03/04/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2446	GP;R2; R3;S2; G1;G2		N	lu-r-g interface support for LCS		TSG	23/01/20 02:13:00	19/04/20 02:17:00	100%	No	No		FFS	
WT	2447	GP;R2; R3;S2; G1;G2		N	RRC protocol support for LCS		TSG	20/08/20 01:08:00	30/11/20 01:17:00	100%	No	No			
WT	2448	GP;R2; R3;S2; G1;G2		N	Additional impacts on Broadcast of LCS data on packet channels		TSG	20/08/20 01:08:00	05/12/20 01:12:00	100%	No	No			
WT	2449	GP;R2; R3;S2; G1;G2		N	Stage 3 specifications		TSG	25/03/20 02:13:00	28/06/20 02:17:00	100%	No	No			
BB	3131	GP		N	GERAN MS Conformance test for LCS	LCS-GERAN-MSconf		03/06/20 00:02:08:00	27/06/20 00:03:17:00	60%	No	No		On-going	
WT	3132	G4;G5		N	Develop LCS MS test case work plan (Release 98/99/4)			03/06/20 02:08:00	27/06/20 03:17:00	60%	No	No			
WT	3133	G4;G5		N	Develop LCS MS test cases			03/06/20 02:08:00	27/06/20 03:17:00	60%	No	No			
BB	3134	GP		N	GERAN BTS Conformance test for LCS	LCS-GERAN-BTSconf		03/06/20 00:02:08:00	27/06/20 00:03:17:00	0%	No	No		Not started	
WT	3135	G4;G5		N	Develop LCS BTS test case work plan (Release 98/99/4)			03/06/20 02:08:00	27/06/20 03:17:00	0%	No	No			
WT	3136	G4;G5		N	Develop LCS BTS test cases			03/06/20 02:08:00	27/06/20 03:17:00	0%	No	No			
BB	544	S2		N	LCS interoperation stage 2 aspects			28/08/20 00:00:08:00	28/06/20 00:02:17:00	17%	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	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			
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...	

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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	3424	S3		N	User plane protection in core network (e.g., provided by IPsec)			21/02/20 00:08:00	28/06/20 02:17:00	98%	No	No		TO BE DELETED	
WT	3425	S3		N	Main aspects			21/02/20 00:08:00	21/06/20 01:17:00	100%	No	No		??	
WT	3426	N4		N	Integration of GTP signalling security architecture			14/09/20 01:08:00	28/06/20 02:17:00	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	15/06/20 00:08:00	15/03/20 02:17:00	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@tele nor.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	03/01/2 001 08:00	21/09/2 001 17:00	100%	No	No			
BB	2628	R3		N	Stage 3: RAN node selecting CN node		TSG	24/09/2 001 08:00	22/03/2 002 17:00	100%	No	No		Not identified	Brendan McWilliams, Vodafone
BB	2756	N1		N	N1 work		TSG	17/09/2 001 08:00	28/06/2 002 17:00	100%	No	No	24.008 and check 29.018		
BB	2757	N4		N	N4 work		TSG	02/10/2 000 08:00	08/03/2 002 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		08/02/2 002 08:00	28/06/2 002 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)			08/02/20 02:08:00	28/06/20 02:17:00	100%	No	No			
WT	3187	G1		N	43.051 Introduction of support for IDNINS in GERAN lu mode			08/02/20 02:08:00	28/06/20 02:17:00	100%	No	No			
WT	3188	G2		N	Stage 3 (changes to)			08/02/20 02:08:00	28/06/20 02:17:00	100%	No	No			
WT	3189	G2		N	48.016 Use of Gb interface concepts when a network applies IDNINS			08/02/20 02:08:00	28/06/20 02:17:00	100%	No	No		Closed, accept changes for Gb over IP	
WT	3190	G2		N	48.018 Include MSC/VLR identity in CS IMSI paging			08/02/20 02:08:00	28/06/20 02:17:00	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
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/After interface Transport Layer option based on the lu 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
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@NORTELNEWORKS.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@erms.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			

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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	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)	GERUE V1		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant, SBC
BB	2413	GP;R3		N	Evolution of Iu ps	GERUEV 1-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)	GERUE V2		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2417	GP;R3		N	Evolution of Iu cs	GERUEV 2-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			

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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	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@ericsson.se
BB	2557	S2		N	E2E QoS Concept 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 UAPProf, so this in my opinion is 100% complete	
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 MIM7 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

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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	2592	S1		N	Definition of service requirements			15/06/20 01 08:00	14/09/20 01 17:00	100%	No	No			Alan Baldwin, Ericsson Alan.Baldwin@EML. ERICSSON.SE
WT	2593	T2		N	Technical realization			15/06/20 01 08:00	08/03/20 02 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	GERNA CC		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	GERNA CC- Cnmod		03/09/2001 08:00	19/04/2002 17:00	100 %	No	No			
WT	2621	N4;S2		N	Stage 2 - Concept			03/09/20 01 08:00	31/10/20 01 17:00	100%	No	No			
WT	2622	N4;S2		N	Stage 2 - 23.060 change - Definition of Inter BSC NACC			03/09/20 01 08:00	19/04/20 02 17:00	100%	No	No			
WT	2623	N4		N	Stage 3 (changes to TS 29.060)			03/09/20 01 08:00	08/03/20 02 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	GERNA CC- Gbmod		30/11/2001 08:00	28/06/2002 17:00	100 %	No	No			
WT	2625	GP		N	Stage 3 (changes to TS 48.018)			30/11/20 01 08:00	28/06/20 02 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	

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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	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 03:00	0%	No	No			
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 mechanisms			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

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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	3452	T3		N	Stage 1		TSG	05/06/2000 08:00	16/03/2001 17:00	100%	No	No		5/10/2001: Stage one competed 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	22/01/2002 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@vodafone.co.uk
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.VO.DAFONE.CO.UK
F	3234	GP	Rel-5	N	Flow control supporting an MS with multiple data flows with different QoS over the Gb interface	FlowControl	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

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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	3239	G2		N	Stage 3 (changes to 48.018)			24/06/20 02 08:00	28/06/20 02 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.e ricsson.se
BB	3162	GP		N	Multiple TBF in A/Gb mode	MULTBF - Agbmod e		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 lu	GER3G AL	TSG	08/06/2000 08:00	19/12/2003 17:00	76%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
BB	2346	GP		N	GERAN user / control plane	GER3GA L- 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			

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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	3142	GP		N	Dedicated Physical subchannels, includes traffic and control channels		TSG	31/08/20 01 08:00	30/11/20 01 17:00	100%	No	No			
WT	3143	GP		N	lu support and broadcast concept		TSG	31/08/20 01 08:00	19/04/20 02 17:00	100%	No	No			
WT	3144	GP		N	Impact of using RLC instead of LAPDm concept		TSG	31/08/20 01 08:00	08/02/20 02 17:00	100%	No	No			
WT	3145	GP		N	Contention resolution, mobile station identity, and access concept		TSG	31/08/20 01 08:00	30/11/20 01 17:00	100%	No	No			
WT	3146	GP		N	PDCP concept		TSG	31/08/20 01 08:00	19/04/20 02 17:00	100%	No	No			
WT	3147	GP		N	Downlink delayed TBF release		TSG	31/08/20 01 08:00	30/08/20 02 17:00	100%	No	No			
WT	3148	GP		N	Add transparent RLC Concept		TSG	31/08/20 01 08:00	08/02/20 02 17:00	100%	No	No			
WT	3149	GP		N	Handover concept			31/08/20 01 08:00	08/02/20 02 17:00	100%	No	No			
WT	2424	GP		N	Physical layer alignment with UMTS bearer concept		TSG	06/11/20 00 08:00	30/11/20 01 17:00	77%	No	No			
WT	2356	GP		N	PDTCH/TCH in 45.003		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2357	GP		N	Control channels in 45.003		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2358	GP		N	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG	06/11/20 00 08:00	30/11/20 01 17:00	100%	No	No			
BB	2359	GP;R P		N	lu rg interface	GER3GA L-lurg	TSG	06/11/2 000 08:00	28/06/2 002 17:00	94%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
WT	2425	GP;RP		N	Inter BSS interface			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2360	GP		N	Identification of requirements			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2361	GP		N	Stage 2			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2362	GP		N	Adoption of relevant parts from lur			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2363	GP		N	Complementation with GERAN specifics			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2364	GP		N	Stage 3			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2426	GP;RP		N	Inter BSS-RNS interface			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2365	GP;R3		N	Identification of requirements			06/11/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2366	GP;R3		N	Stage 2			06/11/20 00 08:00	28/06/20 02 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	2367	GP;R3		N	Adoption of relevant parts from Iur			06/11/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2368	GP;R3		N	Complementation with GERAN specifics			30/01/20 02:13:00	28/06/20 02:17:00	100%	No	No			
WT	2369	GP;R3		N	Stage 3			30/01/20 02:13:00	28/06/20 02:17:00	100%	No	No			
BB	2370	GP;R3		N	Voice over GERAN PS and CS concept			06/11/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2371	GP;R3		N	Architecture for A, Iur CS and Iur PS			06/11/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2372	GP		N	Transcoder position/operation			06/11/20 00:08:00	13/04/20 01:17:00	100%	No	No			
WT	2373	GP;R3		N	Handover			06/11/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	2374	GP;R3		N	RTP payload			06/11/20 00:08:00	28/06/20 02:17:00	100%	No	No			
WT	3526	GP;R3		N	Codec renegotiation concept			06/11/20 00:08:00	29/03/20 02:17:00	100%	No	No			
WT	3527	GP		N	LA			06/11/20 00:08:00	13/04/20 01:17:00	100%	No	No			
BB	2388	GP		N	GERAN MS Conformance test for GERAN interface evolution			11/06/20 00:01:00	19/12/20 00:03:17:00	0%	No	No		Not started	
WT	2389	GP		N	MS test			11/06/20 01:08:00	19/12/20 03:17:00	0%	No	No		Not started	
BB	2390	GP		N	GERAN BSS Conformance test for GERAN interface evolution			08/06/20 00:08:00	19/12/20 00:03:17:00	0%	No	No		Not started	
WT	2391	GP		N	BSS test			08/06/20 00:08:00	19/12/20 03:17:00	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			

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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	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-BTScnf	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	MSCTD TM	TSG	11/11/2002 08:00	07/02/2003 17:00	100%	No	No		Needed to complete DTM (R99)	Dave Fox, Vodafone
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 H: Current content of Release 6, extracted from the Project Plan - Version March 25 2005

Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th															
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	Rel-6 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	Rel-6 Improvements of Radio Interface	RInImp	TSG	Mon 14/08/00	Wed 15/06/05	91%	No	No		This is a generic feature without particular end date	
BB	24006	R4	Rel-6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecP erf	TSG	Fri 08/03/02	Fri 19/09/03	100%	No	No	TS25.101		Shimon Moshavi, Intel
BB	24004	R4	Rel-6	No	Base station classification	RInImp-BSCclass	TSG	Mon 14/08/00	Wed 04/12/02	100%	No	No			
WT	1476	R4	Rel-6	No	FDD Base station classification	RInImp-BSCclass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes	TS25.104, TS25.141		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	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331, TR25.94		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	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331		Takehiro Nakamura, NTT DoCoMo

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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	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	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331		Jussi Numminen, Nokia
BB	24013	R4	Rel-6	No	Improved Receiver Performance Requirements for HSDPA	RInimp-HSPerf	TSG	Mon 15/12/03	Wed 15/06/05	63%	No	No			Jussi Numminen, Nokia
WT	20011	R4	Rel-6	No	Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8	RInimp-HSPerf-10code	TSG	Wed 15/09/04	Wed 15/06/05	25%	No	No	TS25.101	Approved at RP#25 as RP-040375	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 15/03/05	85%	No	No	TS25.101		Takehiro Nakamura (NTT DoCoMo)
F	3	RP	Rel-6	No	Rel-6 RAN Feasibility Studies			Mon 14/08/00	Tue 15/03/05	89%	No	No			
BB	23007	R3	Rel-6	No	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSUEMS D	TSG	Fri 06/12/02	Thu 18/12/03	100%	No	No			Jim Miller, Interdigital
BB	1506	R1	Rel-6	No	FS on Radio link performance enhancements	RInimp-Rlperf	TSG	Mon 14/08/00	Tue 14/09/04	100%	No	No	TR25.899	Study finished at RP#25	Antti Toskala, Nokia Networks
BB	21000	R1	Rel-6	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInimp-IfIsMLC R	TSG	Fri 14/12/01	Fri 19/09/03	100%	No	No	TR25.888		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	100%	No	No	TR25.892		Sarah Boumendil, Nortel
BB	21004	R1	Rel-6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInimp-FSUpDT rCh	TSG	Fri 06/09/02	Fri 12/03/04	100%	No	No	TR25.896		Karri Ranta-aho, Nokia
BB	21005	R1	Rel-6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInimp-FSVHCR TDD	TSG	Fri 06/09/02	Tue 14/09/04	100%	No	No	TR25.895	Study finished at RP#25	Tim Wilkinson, IPWireless

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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	24011	R3	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RlImp-FSLoPw	TSG	Fri 13/06/03	Fri 12/03/04	100%	No	No	TR25.807		Ana Burgos, Telefonica
BB	21007	R1	Rel-6	No	FS on Uplink enhancements for UTRA TDD	RlImp-FSUPEntTDD	TSG	Fri 06/06/03	Tue 15/03/05	70%	No	No	TR25.804		Marian Rudolf, Interdigital
BB	24005	R4	Rel-6	No	FS on UE antenna efficiency test methods performance requirements (2)	RlImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No		The RlImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Alligon
BB	23006	R3	Rel-6	No	Deleted - FS on the evolution of the UTRAN architecture	RANImp-FSEvo	TSG	Mon 09/09/02	Wed 15/12/04	35%	No	No		Study Closed, work will continue within the FS on evolved UTRA and UTRAN	Woonhee Hwang, Nokia
F	20003	RP	Rel-6	No	FDD Enhanced Uplink	EDCH	TSG	Mon 15/03/04	Wed 15/06/05	69%	No	No			Joakim Bergström (Ericsson)
BB	20004	R2	Rel-6	No	FDD Enhanced Uplink - Stage 2	EDCH-Stage2	TSG	Mon 15/03/04	Tue 14/12/04	100%	No	No	TS 25.309		
BB	20005	R1	Rel-6	No	FDD Enhanced Uplink - Physical Layer	EDCH-Phys	TSG	Mon 15/03/04	Tue 15/03/05	85%	No	No	TS25.211, 25.212, 25.213, 25.214, 25.215		Karri Ranta-aho (Nokia)
BB	20006	R2	Rel-6	No	FDD Enhanced Uplink - Layer 2 and 3 Protocol Aspects	EDCH-L23	TSG	Mon 15/03/04	Tue 15/03/05	80%	No	No	TS25.301, 25.302, 25.306, 25.321, 25.331		Joakim Bergström (Ericsson)
BB	20007	R3	Rel-6	No	FDD Enhanced Uplink - UTRAN lub/lur Protocol Aspects	EDCH-lurIub	TSG	Mon 15/03/04	Tue 15/03/05	80%	No	No	TS25.401, 25.420, 25.423, 25.430, 25.433		Saso Stojanovski (Nortel)

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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	20008	R4	Rel-6	No	FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	TSG	Mon 15/03/04	Wed 15/06/05	20%	No	No	TS25.101, 25.104, 25.133, 25.141		Thomas Unshelm (Ericsson)
F	9	RP	Rel-6	No	Rel-6 RAN improvements	RANimp	TSG	Mon 09/09/02	Tue 15/03/05	86%	No	No		Generic feature	
BB	624	R2	Rel-6	No	RAB support enhancement	RANimp-RABSE	TSG	Fri 14/03/03	Tue 15/03/05	68%	Yes	Yes	TR 25.862	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	Thu 03/06/04	25%	No	No		Closed RAN#24 due to the lack of progress	Phillipe Godin, Nortel
WT	21008	R1	Rel-6	No	Optimisation of downlink channelisation code utilisation	RANimp-RABSE-CodeOptFDD	TSG	Fri 12/03/04	Tue 15/03/05	90%	No	No			Sarah Bourmendil (Nortel Networks)
WT	21009	R1	Rel-6	No	Optimisation of channelisation code utilisation for 3.84 Mcps TDD	RANimp-RABSE-CodOptTDD	TSG	Mon 15/03/04	Tue 15/03/05	90%	No	No		WIDS modified in RP#26, RP-040551	Nicholas Anderson (IPWireless)
WT	20013	R1	Rel-6	No	HS-DPCCH ACK/NACK Enhancement	RANimp-RABSE-ACKNACK	TSG	Wed 15/09/04	Wed 15/12/04	100%	No	No	TS25.212, TS25.214, TS24.331, TS25.433	Approved at RP#25 as RP-040390	Jussi Kähtävä, Nokia
WT	23005	R3	Rel-6	No	Deleted - Improvement of RRM across RNS and RNS/BSS	RANimp-RRM1		Fri 05/12/03	Fri 05/12/03	100%	No	No		abandoned RP-23	Antti Toskala, Nokia
BB	20999	R1	Rel-6	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 19/09/03	Fri 19/12/03	100%	No	No	TS24.215, 25.423, 25.425, 25.433, 25.435		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	100%	No	Yes			Gert-Jan van Lieshout, Ericsson
WT	23014	R3	Rel-6	No	Improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-UEMsD	TSG	Fri 19/09/03	Fri 12/03/04	100%	No	No	TS25.423		Jim Miller, Interdigital

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F/BB/WT	WIID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	23010	R3	Rel-6	No	Remote Control of Electrical Tilting Antennas	RANimp-TiltAnt	TSG	Fri 14/03/03	Thu 16/09/04	99%	No	No			Andreas Hauser, Vodafone
WT	23015	R3	Rel-6	No	Tilting Antenna - RAN aspects	RANimp-TiltAnt	TSG	Fri 14/03/03	Tue 14/09/04	100%	No	No	TS25.460, 25.461, 25.462, 25.463	Finished at RP#25	Andreas Hauser, Vodafone
WT	35023	S5	Rel-6	No	OAM&P impacts	RANimp-TiltAnt-OAM	WG	Fri 27/02/04	Thu 16/09/04	100%	No	No	32.804, 32.xyz	az: WID approved at SAS#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	100%	No	No			Brendan McWilliams, Vodafone
F	32023	S2	Rel-6	No	Location Services enhancements 2	LCS2	TSG	Mon 15/01/01	Thu 16/12/04	89%	No	No	23.271		
BB	32024	S2	Rel-6	No	Improvement on Le interface		TSG	Mon 17/06/02	Wed 15/12/04	76%	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 01/01/04	Wed 15/12/04	44%	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	Wed 15/12/04	72%	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 01/01/04	Wed 15/12/04	44%	No	No		Updated according to SP-040232	
BB	32025	S2	Rel-6	No	Enhanced inter-GMLC interface		TSG	Mon 24/06/02	Wed 15/12/04	91%	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			Thu 01/01/04	Wed 15/12/04	79%	No	No		Updated according to SP-040232	
BB	32012	S2	Rel-6	No	Location Services support for IMS public identities		TSG	Mon 24/02/03	Wed 15/12/04	89%	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			Thu 01/01/04	Wed 15/12/04	79%	No	No		Updated according to SP-040232	

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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	32026	S2	Rel-6	No	New area event for location service triggering reports Stage 2		TSG	Mon 03/06/02 2	Wed 15/12/04 4	80%	No	No			
WT	32050	S2	Rel-6	No	Stage 3 for UE-CN signalling			Mon 03/06/02 Thu 09/10/03	Fri 27/06/03 Tue 31/08/04	100%	No	No		31/10/2003 work has started. Current stage 3 fulfills the requirements of stage 2.	
WT	14015	N4	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			Thu 01/01/04	Wed 15/12/04	44%	No	No		Updated according to SP-040232	
BB	20001	RP	Rel-6	No	UE positioning	LCS2-UEpos	TSG	Mon 15/01/01 1	Tue 14/09/00 4	99%	No	No			
BB	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 1	Fri 19/09/00 3	100%	No	No	TS25.30 5, 25.401, 25.450, 25.452, 25.453		Meik Kottkamp, Siemens
WT	24012	R4	Rel-6	No	A-GPS minimum performance specification	LCS-UEPos-AGSPerf	TSG	Fri 06/06/03	Tue 14/09/04	100%	No	No		Finished at RP#25	Donglin Shen, AT&T Wireless Services
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
WT	2457	R2	Rel-6	No	Deleted - UE positioning enhancements - other methods	LCS2-UEpos-enh		Fri 26/09/03	Fri 26/09/03	100%	No	No		This is a building block without particular end date	Meik Kottkamp, Siemens
BB	35035	S5	Rel-6	No	LCS charging	LCS2-CH	TSG	Fri 21/03/03 3	Thu 16/12/00 4	100%	No	No	32.271	SA#26 12/2004 completed	
F	1571	S3	Rel-6	No	Rel-6 Security enhancements	SEC1	TSG	Wed 03/01/01 01	Fri 26/11/04 04	75%	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 1	Thu 25/09/00 3	47%	No	No		Added by SP-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

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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	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	99%	No	Yes		WID approved for Rel-6 at SA#17. Completed 2004-12	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	100%	No	No	TS 33.210	Should be complete after SA3#27. Completed 2004-12	
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	100%	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	SECGKY V	TSG	Fri 26/09/03	Fri 26/11/04	100%	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. Completed 2004-12	Benno Tietz, Vodafone D2
F	32021	S1	Rel-6	No	IMS Phase 2	IMS2	TSG	Mon 03/01/00	Thu 30/06/05	90%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
BB	14014	N4	Rel-6	No	Enhancements to the Cx and Sh interfaces	IMS2-CCR	WG	Fri 06/06/03	Tue 31/08/04	95%	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 08/12/04	88%	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	Rel-6	No	Stage 3 for IMS Group management (e.g. chat)			Fri 13/12/02	Wed 08/12/04	80%	No	No		Depends on CN decision on CPCP in Rel-6. Complete, if unresolved IETF dependencies are dropped (-> LS to CN plenary)	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
BB	11037	N1	Rel-6	No	IMS Conferencing			Mon 04/11/02 2	Wed 08/12/04 4	94%	No	No			
WT	32037	S2	Rel-6	No	Stage 2			Mon 04/11/02	Wed 31/12/03	100%	No	No			
WT	32038	N1	Rel-6	No	Stage 3			Fri 13/12/02	Wed 08/12/04	90%	No	No		Depends on CN decision on IETF dependencies in Rel-6. Higher figure if C/PCP is dropped (-> LS to CN plenary)	Keith Drage, Lucent
BB	31022	S1	Rel-6	No	IMS Messaging	IMSM	TSG	Thu 14/03/02 2	Thu 30/06/05 5	75%	No	No			Juha Kalliokujju (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 Kalliokujju (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 Kalliokujju (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 Kalliokujju (Nokia)
WT	32700	S2	Rel-6	No	Stage 2			Mon 04/11/02	Tue 31/08/04	100%	No	No			
WT	11039	N1	Rel-6	No	Stage 3 for IMS Messaging			Fri 13/12/02	Wed 08/12/04	85%	No	No			Keith Drage, Lucent
WT	60001	OMA	Rel-6	No	SIP/SIMPLE Instant messaging		n/a	Thu 01/01/04	Thu 30/06/05	0%	No	No		Updated according to SP-040232	
BB	11040	N1	Rel-6	No	Additional SIP Capabilities support not covered by Rel-5			Mon 11/11/02 2	Wed 08/09/04 4	97%	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	Rel-6	No	Stage 3 for Additional SIP Capabilities			Fri 13/12/02	Wed 08/09/04	95%	No	No			Keith Drage, Lucent
BB	11041	N1	Rel-6	No	Review additional SIP Capabilities against IMS			Fri 13/12/02 2	Wed 08/09/04 4	100%	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 0	Wed 08/12/04 4	88%	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	Wed 08/12/04	70%	No	No	29.163		
WT	11044	N1	Rel-6	No	Interworking for IPv6 to IPv4 (SIP / SDP aspects)			Tue 11/05/04	Wed 08/09/04	100%	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	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
WT	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	Min interface (IM-MGW to MGCF) enhancements (CN4 Part)	IMS-CCR-Mn		Tue 07/08/01	Wed 01/09/04	85%	No	No		"[CN4] 17th May 2002, CN4; Will be handled in Rel-6....."	
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 Kalliojuu (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	100%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm
BB	31042	S1	Rel-6	No	IMS Subscription and access scenarios			Mon 16/12/02	Fri 13/06/03	100%	No	No	22.800		
BB	35032	S5	Rel-6	No	IMS charging	IMS2-CH	TSG	Fri 21/03/03	Thu 16/12/04	100%	No	No	32.260	SA#26 12/2004 completed	
BB	11051	N1	Rel-6	No	IMS Management objects		WG	Mon 03/01/00	Mon 03/01/00	79%	No	No	New TS 24.167		
BB	32027	S2	Rel-6	No	Deleted - Stage 2 of IMS Phase 2			Fri 19/09/03	Fri 19/09/03	100%	No	No			
F	32063	S2	Rel-6	No	3GPP Enablers for services like Push to Talk over Cellular (PoC)	PoC	TSG	Mon 08/09/03	Thu 09/06/05	88%	No	No	23.979		Shabnam Sultana, Ericsson
BB	32068	S2	Rel-6	No	Feasibility Study	PoC		Mon 08/09/03	Tue 30/11/04	100%	No	No	23.979		Shabnam Sultana, Ericsson
BB	60002	OMA	Rel-6	No	Dependencies on OMA PoC	PoC	n/a	Thu 01/01/04	Thu 30/12/04	75%	No	No		Updated according to SP-040232	

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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	34029	S4	R6	No	Selection of one or more PoC codec(s) for PoC	PoC	TSG	Mon 13/09/04	Thu 16/12/04	100%	No	No	26.235, 26.236	Completed	
BB	35036	S5	Rel-6	No	PoC charging	PoC-CH	TSG	Mon 27/09/04	Thu 09/06/05	80%	No	No	32.272	SA#26: Target 06/2005 completed	
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	23.881		Alexander Miiński, Siemens
BB	11032	S2	Rel-6	No	"Interoperability and Commonality between IMS using different "IP-connectivity Networks""	IMSCOO P	TSG	Mon 16/09/02	Fri 12/12/03	100%	No	No	23.864		
WT	32028	S2	Rel-6	No	Stage 2 for Interoperability			Mon 16/09/02	Tue 30/09/03	100%	No	No	23.864	No contributions assumed that no more will be done in 3GPP hence work may need to be done in 3GPP2	Balazs Beternyi, Nokia
BB	32061	S2	Rel-6	No	Stage 2 for commonality			Mon 16/09/02	Fri 19/09/03	100%	No	No	23.864		Balazs Beternyi, Nokia
WT	11033	N1	Rel-6	No	Stage 3			Mon 14/10/02	Fri 12/12/03	100%	No	No			Keith Drage, Lucent
F	1365	S1	Rel-6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 27/02/04	100%	Yes	Yes	23.976	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	23.976		Nick Alfano, RIM
F	42009	T2	Rel-6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Thu 17/03/05	89%	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		

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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	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 10/12/04	100%	No	No	23.140		Josef Laumen, Siemens
BB	42012	OMA	Rel-6	No	OMA dependencies		n/a	Fri 15/08/03	Fri 10/12/04	30%	No	No	OMA specs		
BB	42013	S4	Rel-6	No	MMS formats and codecs	MMS6-Codec		Thu 15/08/02	Thu 17/03/05	95%	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 10/12/04	100%	No	No	23.140		Steffen Habermann, T-Mobile
BB	42015	T2	Rel-6	No	Deleted - FS Multiple MMS Relay/Server Architecture		TSG	Fri 10/12/04	Fri 10/12/04	100%	No	No	probably Annex to 23.140	originally it was intended to create a FS TR but most likely the work will become an Annex of 23.140	Juan Gorospe, Telefónica Móviles
BB	35034	S5	Rel-6	No	MMS charging	MMS6-CH	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No	32.270	SA#25 09/2004 completed	
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)
F	2062	S5	Rel-6	No	Subscription Management	Sum	TSG	Fri 20/09/02	Thu 17/03/05	95%	No	Yes	32.140/1, 32.171/2/5, 32.803	TSG#26: Updated WID SP-040763 was SP-020448	Istvan ABA (T-Mobile Austria)

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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	2499	S1	Rel-6	No	Presence Capability	PRESN C	TSG	Mon 19/03/01	Thu 17/03/05	73%	No	No		"A Sultan merged ""Presence Service Enhancements"" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmtns 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			Balazs BERTENYI, Nokia
BB	2503	N1	Rel-6	No	Stage 3			Mon 01/04/02	Wed 08/12/04	95%	No	No		Dependency to 2 IETF drafts, no known work at the moment	Keith Drage, Lucent
BB	13018	N3	Rel-6	No	Stage 3 (CN3 Part Pk interface)			Mon 01/04/02	Wed 08/12/04	0%	No	No		No Contributions so far - only requires a little work	
BB	34025	S4	Rel-6	No	Media Codecs and Formats for IMS Messaging and Presence	PRESN C-COFIMP	TSG	Thu 12/06/03	Thu 17/03/05	95%	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	90%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	
BB	60003	OMA	Rel-6	No	SIMPLE Presence		n/a	Thu 01/01/04	Thu 30/12/04	75%	No	No		Updated according to SP-040232	
F	50056	GP	Rel-6	No	Enhanced A/Gb feasibility study	AGbEn FS	TSG	Fri 30/08/02	Fri 08/11/02	100%	No	No		Closed	J-L Carrizo, Vodafone
BB	50057	G2	Rel-6	No	Feasibility study on A/Gb enhancements	AGbEnF S-FS	TSG	Fri 30/08/02	Fri 08/11/02	100%	No	No			

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F/BB/WT	WIID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
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	50081	GP	Rel-6	No	Impact on 3GPP architecture and requirement to coordinate 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 28/01/05	92%	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	100%	No	No		Completed	Benoist Sébire
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	100%	No	No		Completed	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	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
WT	52074	G2	Rel-6	No	Modifications to RRC in 44.118 and 44.018			Fri 19/04/02	Fri 25/06/04	100%	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 28/01/05	0%	No	No		Under evaluation	Benoist Sébire
WT	55078	"G4;G5"	Rel-6	No	MS Test in 51.010			Fri 06/02/04	Fri 28/01/05	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 28/01/05	0%	No	No		Under evaluation	Benoist Sébire
WT	53080	G3	Rel-6	No	BTS Test in 51.021			Fri 06/02/04	Fri 28/01/05	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 15/09/05	82%	No	No		Title renamed at SA#13	
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	23.846		
WT	32703	S2	Rel-6	No	Stage 2 Specification Work			Mon 19/08/02	Wed 17/03/04	100%	No	No	23.246		

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F/BB/WT	WIID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2481	R2	Rel-6	No	Introduction of MBMS in RAN	MBMS-RAN	TSG	Tue 01/01/02 2	Thu 15/09/05 5	77%	No	No	TS 25.346, TS 25.304, 25.321, 25.322, 25.323, 25.331		Juho Pirskanen , Nokia
WT	20022	R2	Rel-6	No	Introduction of MBMS in RAN (physical & upper layers, access network interfaces)	MBMS-RAN	TSG	Tue 01/01/02	Tue 14/12/04	100%	No	No	TS 25.346, TS 25.304, 25.321, 25.322, 25.323	"Was ""Introduction of MBMS in RAN"" before RP#25. Created w/o WIDS after RAN approved the WT for RF aspects. Take WIDS from the parent BB"	Juho Pirskanen , Nokia
WT	20020	R4	Rel-6	No	UE Performance Requirements for MBMS	MBMS-RAN-RF	TSG	Wed 15/09/04	Thu 15/09/05	10%	No	No	TS25.101, TS25.133	Approved at RP#25 as RP-040370	Torgny Palenius, Ericsson
BB	11030	N1	Rel-6	No	Support of the MBMS in CN protocols		TSG	Tue 18/06/02 2	Wed 08/12/04 4	100%	No	No			
BB	13015	N3	Rel-6	No	Gmb interface for MBMS (CN3 part)			Fri 29/08/03 3	Wed 08/12/04 4	85%	No	No	29.061		
BB	33008	S3	Rel-6	No	Security Aspects of MBMS	MBMS	TSG	Mon 01/07/02 2	Fri 18/03/05 5	95%	No	No		WID approved SA#17. 2004-12: Expected completion March 2005	Escott, Adrian, 3
BB	50085	GP	Rel-6	No	Support of MBMS in GERAN	MBMS-GERAN	TSG	Thu 30/08/01 1	Fri 28/01/05 5	78%	No	No			
WT	50086	GP	Rel-6	No	Impact on the logical and physical channels			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	52085	G2	Rel-6	No	Re-synchronisation at cell change			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50098	GP	Rel-6	No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50099	GP	Rel-6	No	Simultaneous support of MBMS and non-MBMS services			Thu 30/08/01	Fri 28/01/05	85%	No	No			
WT	50100	GP	Rel-6	No	Resynchronisation at cell change			Thu 30/08/01	Fri 28/01/05	85%	No	No			
WT	50087	GP	Rel-6	No	Decision making process between point-to-point or point-to-multipoint configurations			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50088	GP	Rel-6	No	MBMS channel allocations procedures to multiple MSs			Fri 30/08/02	Fri 28/01/05	85%	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	50089	GP	Rel-6	No	Changes to the Gb interface			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50090	GP	Rel-6	No	GERAN specific changes to the Iu-ps interface			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50091	GP	Rel-6	No	Interaction between MBMS and Iu-flex			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	50092	GP	Rel-6	No	Security aspects			Fri 30/08/02	Fri 28/01/05	85%	No	No			
WT	53081	G3	Rel-6	No	MS conformance tests- G3			Fri 30/08/02	Fri 28/01/05	0%	No	No			
WT	55091	G5	Rel-6	No	Deleted - MS conformance tests - G5			Fri 27/06/03	Fri 27/06/03	0%	No	No			
BB	31045	S1	Rel-6	No	MBMS User Services			Tue 13/05/03	Thu 17/03/05	83%	No	No	22.246		
BB	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 17/03/05	75%	No	No	26.346		Igor Curcio (Nokia)
BB	35038	S5	Rel-6	No	MBMS charging	MBMS-CH	WG	Tue 11/01/05	Thu 09/06/05	0%	No	No	32.273	SA#26: Approved WID SP-040778. Target TS Approval 06/2005.	
F	31006	S1	Rel-6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Thu 30/06/05	83%	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	23.877		
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 16/12/04	100%	No	No	26.235, 26.236, 26.243, 26.177, 26.943	Completed	David Pearce, Motorola

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BB	60004	OMA	Rel-6	No	Multimodal support			Thu 01/01/04	Thu 30/06/05	45%	No	No			
BB	11021	N1	Rel-6	No	Deleted - SES codec negotiation at SDP			Wed 04/06/03	Wed 04/06/03	0%	No	No		Abandoned NP-23	
F	31008	S1	Rel-6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Thu 03/03/05	65%	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		Harri KOSKINEN, Nokia
BB	42002	N4	Rel-6	No	Stage 2 - Data Description Method		TSG	Thu 05/12/02	Thu 03/03/05	45%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA)
BB	42003	N4	Rel-6	No	Stage 3 - Common objects		TSG	Thu 05/12/02	Thu 03/03/05	40%	No	No	24.241		
BB	14008	N4	Rel-6	No	Stage 3 - Network			Mon 19/05/03	Thu 03/03/05	39%	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	100%	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	94%	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	Deleted - Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			Fri 21/03/03	Fri 21/03/03	100%	No	No		Replaced by UID 60005 and 60006	

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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	60005	OMA	Rel-6	No	Stage 2			Thu 01/01/04	Fri 28/05/04	100%	No	No			
BB	60006	OMA	Rel-6	No	Stage 3			Thu 01/01/04	Fri 28/05/04	100%	No	No			
BB	33001	OMA	Rel-6	No	Security			Mon 17/06/02	Mon 03/03/03	80%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
F	31012	S1	Rel-6	No	WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Fri 16/09/05	90%	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 06/01/03	Fri 11/06/04	100%	No	No	22.234		Fredric Paint, Telenor
WT	31058	S1	Rel-6	No	Global stage 1	WLAN-TS		Mon 06/01/03	Fri 11/06/04	100%	No	No	22.234		Fredric Paint, Telenor
WT	31057	S1	Rel-7	No	Session Continuity	WLAN-SC		Mon 05/01/04	Fri 11/06/04	100%	No	No			
BB	32018	S2	Rel-6	No	Architecture Definition for scenari 2 and 3		TSG	Mon 25/03/02	Mon 31/05/04	100%	No	No	23.234		
BB	32704	S3	Rel-6	No	Security		TSG	Mon 30/09/02	Fri 21/03/03	100%	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	85%	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	95%	No	No	29.161		
BB	11042	N1	Rel-6	No	Stage 3 for scenario 2		WG	Fri 23/05/03	Wed 08/09/04	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	11047	N1	Rel-6	No	Stage 3 for scenario 3		WG	Fri 23/05/03	Wed 08/12/04	95%	No	No			
BB	35033	S5	Rel-6	No	WLAN charging	WLAN-CH	TSG	Fri 21/03/03	Thu 09/06/05	90%	No	No	32.252	Target 06/2005 completed	
BB	43010	T3	Rel-6	No	USIM enhancements for WLAN Interworking		TSG	Fri 05/09/03	Fri 04/03/05	90%	No	No			Jorge Abellan
BB	13022	N3	Rel-7	No	DIAMETER on the PDG Wi interface	DIAMWI	TSG	Fri 10/09/04	Fri 16/09/05	0%	No	No		Not started	Stefan Koppenborg (T-Mobile)
F	31015	S1	Rel-6	No	Priority Service	NTShar	TSG	Thu 30/05/02	Thu 16/12/04	78%	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
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	55%	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	Wed 15/12/04	100%	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	100%	No	No	23.251		

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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	11043	N1	Rel-6	No	Network sharing - stage 3		TSG	Fri 23/05/03	Wed 08/12/04	100%	No	No			
BB	22004	R2	Rel-6	No	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANh	TSG	Fri 19/09/03	Wed 15/12/04	100%	No	No	TS25.40 1, TS25.41 3, TS25.33 1, TS25.30 4		Anders Dahlén, TeliaSonera
F	32016	S2	Rel-6	No	QoS Improvements	QoS1	TSG	Mon 15/07/02	Wed 08/12/04	95%	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	23.917		
BB	32059	S2	Rel-6	No	Definition of the Gq interface			Tue 01/07/03	Fri 23/04/04	100%	No	No	23.221		Janne Rinne (Nokia)
BB	13016	N3	Rel-6	No	Gq interface specification for Dynamic Policy control enhancements -- Stage 3		TSG	Fri 29/08/03	Wed 08/12/04	85%	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	Wed 08/12/04	93%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valteri Niemi, Nokia
BB	32705	S3	Rel-6	No	Stage 1			Mon 25/02/02	Thu 12/09/02	100%	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	85%	No	No		WID approved at CN#21.....	Lauri Laitinen, Nokia
BB	11049	N1	Rel-6	No	Stage 3 Ua & Ub interfaces			Mon 03/11/03	Wed 08/12/04	95%	No	No			

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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 10/03/05	99%	No	No	22.127, 23.198, 29.198, 29.199, 29.998	CN#25: Updated WID NP-040351 replaces NP-040144.	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	15038	N5	Rel-6	No	OSA Stage 2		TSG	Fri 13/08/04	Thu 10/03/05	85%	No	No	23.198 OSA Stage 2- ONLY replaces 23.127 (OSA/VHE Stage 2) to be replaced by a new TS 23.198 Stage 2 OSA-only in 12/04	Task inherited by CN5 from SA2 at TSG#25.	
BB	15026	N5	Rel-6	No	Multi Media Messaging function		TSG	Thu 31/10/02	Fri 10/09/04	100%	No	No	29.198-15		
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		
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 10/09/04	100%	No	No	29.199		
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	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		

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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	60008	OMA	Rel-6	No	OMA potential overlaps with 3GPP OSA Stage 3 (Web services)		n/a	Thu 18/12/03	Thu 16/09/04	100%	No	No		TSG#25 Approved CN5 29.199 Parlay X Web services. Ongoing 3GPP/OMA coordination to avoid OMA producing conflicting/OVERLAPIN G specs (NP-040283/SP-040493).	
BB	15037	N5	Rel-6	No	Deleted - TR on Presence and Availability Management (from the PRESNC WI)			Fri 17/09/04	Fri 17/09/04	0%	No	No		'N5#26:TR Completion 09/04; consistent with CN1 delayed Rel-6 completion."	
F	50401	GP	Rel-6	No	Addition of frequency bands to GSM (TAPS)	TAPS	TSG	Fri 28/06/02	Fri 28/01/05	4%	No	No			Torben Thomsen
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 Thomsen
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 28/01/05	0%	No	No		Not started	Torben Thomsen
WT	54103	G4	Rel-6	No	51.010-1 Add testing			Fri 28/06/02	Fri 28/01/05	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 28/01/05	99%	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			
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 NAACC			Mon 03/01/00	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
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	Fri 28/01/05	100%	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	CODCA R	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		No	OAM&P	OAM	TSG	Thu 12/09/02	Wed 08/06/05	87%	No	No	32-series	SA#26: Updated WID SP-040766 was SP-020445. Completion delayed 12/04->03/05 due to OAM-Trace in CN1/4.	Michael TRUSS (Motorola)

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F/BB/WT	WIID	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	100%	No	Yes	32.101, 32.102	SA#26: Updated WID SP-040767 was SP-020446	Michael TRUSS (Motorola)
BB	35012	S5	Rel-6	No	Performance Management	OAM-PM	TSG	Thu 12/09/02	Thu 16/12/04	100%	No	No	32.401/3, 52.402, 32.411/2/3, 32.432/5/6	SA#26: Updated WID SP-040782 was SP-020499	Christian TOCHE (Nortel Networks)
BB	35014	S5	Rel-6	No	Network Infrastructure Management	OAM-NIM	TSG	Thu 12/09/02	Thu 16/12/04	100%	No	No	32.15x, 32.3/6/7xy	SA#26: Updated WID SP-040789 was SP-020754	Thomas TOVINGER (Ericsson)
BB	35015	S5		No	Trace Management	OAM-Trace	TSG	Fri 20/09/02	Wed 08/06/05	72%	No	No	32.42x, 52.008	TSG#26: SA#26: Updated WID SP-040782 was SP-020499. SA5 completed 12/04. Signalling Based Trace Activation for IMS (SIP) moved to Rel-7. Reason: CN1 cannot complete 24.229 trace without IETF dependency => estimate 05/2005.	Kari RÖNKÄ (Nokia)
WT	35022	S5	Rel-6	No	Subscriber and UE trace management	OAM-Trace	TSG	Fri 20/09/02	Thu 16/12/04	100%	No	No	32.421/2/3, 52.008	TSG#26: Approved 32.423/52.008. SA5 work completed 12/2004.	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	100%	No	No	TS25.413, 25.420, 25.423		Yann Sehedii, Nortel
WT	11046	N1	Rel-7	No	SIP enhancements for trace	Trace-SIP		Mon 16/02/04	Wed 08/06/05	2%	No	No			
WT	14016	N4		No	Trace Management, Stage3	OAM-Trace		Wed 09/06/04	Fri 11/03/05	70%	No	No	TS 23.205, 29.232, 29.060, 29.002, 29.228		Seppo Kaurtola (Nokia Corporation)
F	35016	S5	Rel-6	No	Charging Management	CH	TSG	Thu 21/11/02	Thu 09/06/05	92%	No	No	32.2xy	SA#26: Updated WID SP-040773 was SP-030047. Target 06/2005 for WLAN/PoC/MBMS Charging 32.252/72/73/98	Karl-Heinz NENNER (T-Mobile)

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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	35037	S5	Rel-6	No	Charging architecture and principles	CH	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No	32.240	SA#25 09/2004 completed	
BB	35024	S5	Rel-6	No	Charging Data Record (CDR) file format and transfer	CH	TSG	Fri 21/03/03	Thu 18/03/04	100%	No	No	32.297	SA#23 03/2004 completed	
BB	35025	S5	Rel-6	No	CDR parameter description	CH	TSG	Fri 21/03/03	Thu 09/06/05	90%	No	No	32.298	Target SA#27 03/2005 completed	
BB	35026	S5	Rel-6	No	Diameter charging applications	CH	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No	32.299	SA#25 09/2004 completed	
BB	35027	S5	Rel-6	No	Online Charging System (OCS) architecture study	CH	TSG	Fri 21/03/03	Thu 18/09/03	100%	No	No	32.815	SA#21 09/2003 completed	
BB	35028	S5	Rel-6	No	OCS: Applications and interfaces	CH	TSG	Fri 21/03/03	Thu 16/12/04	100%	No	No	32.296	SA#26 12/2004 completed	
BB	35017	S5	Rel-6	No	Charging Management for Bearer level	CH-BC	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No			Benni ALEXANDER (Nokia)
WT	35029	S5	Rel-6	No	CS domain charging	CH	TSG	Fri 21/03/03	Thu 18/03/04	100%	No	No	32.250	SA#23 03/2004 completed	
WT	35030	S5	Rel-6	No	PS domain charging	CH	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No	32.251	SA#25 09/2004 completed	
WT	35031	S5	Rel-6	No	CDR transfer	CH	TSG	Fri 21/03/03	Thu 16/09/04	100%	No	No	32.295	SA#25 09/2004 completed	
BB	35018	S5	Rel-6	No	Charging Management for the IMS	IMS2-CH	TSG	Fri 21/03/03	Thu 16/12/04	100%	No	No	32.260	SA#26 12/2004 completed	Patrik TEPPÖ (Ericsson)
BB	35019	S5	Rel-6	No	Charging Management for the Service domain	CH	TSG	Fri 21/03/03	Thu 09/06/05	90%	No	No	32.252, 32.270/1/2	SA#26: Updated WID SP-040778 was SP-030050. Target completion 06/2005. Consisting of MMS-CH, LCS-CH, WLAN-CH, POC-CH, MBMS-CH	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	Wed 08/12/04	66%	No	No	23.125		
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	100%	No	No			

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WT	13020	N3	Rel-6	No	Gx interface for flow based charging			Mon 02/02/04	Wed 08/12/04	50%	No	No	29.210		
WT	13021	N3	Rel-6	No	Rx interface for flow based charging			Mon 02/02/04	Wed 08/12/04	10%	No	No	29.209		Javier Gonzalez Gallego
F	1800	T3	Rel-6	No	Rel-6 UICC/USIM enhancements and interworking	USAT1	TSG	Mon 25/09/00	Thu 10/03/05	79%	No	No			
BB	1802	T3	Rel-6	No	UICC API	USAT1-API		Wed 20/03/02	Thu 10/03/05	72%	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	MOVED to Rel-5 WP DELETE HERE 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	Fri 05/03/04	100%	No	No			Stéphane Andraou Oberthur Card Systems
WT	43007	T3	Rel-6	No	(U)SIM API for Java Card Testing Work Item		TSG	Mon 17/03/03	Thu 10/03/05	40%	No	No	31.213		Christophe Begassat (Axalto)
BB	43004	T3	Rel-6	No	Rel-6 USIM toolkit enhancements			Mon 25/09/00	Fri 04/03/05	88%	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
WT	43009	T3	Rel-6	No	USIM application toolkit Conformance Test Specification for Mobile Equipments		TSG	Fri 05/12/03	Fri 04/03/05	60%	No	No	31.124		Eric Laffont, Gemplus
F	34022	S4	Rel-6	No	Packet Switched Streaming Services Rel-6	PSSrel6	TSG	Mon 18/11/02	Thu 17/03/05	96%	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	

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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	34024	S4	Rel-6	No	Stage 3	PSSrel6-Stage3	WG	Fri 13/12/02	Thu 17/03/05	95%	No	No	26.233, 26.234, 26.244, 26.245, 26.246, 26.401, 26.402, 26.403, 26.404, 26.405, 26.410, 26.411, 26.273, 26.290, 26.304		Olle Franceschi (Ericsson)
F	34023	S4	Rel-6	No	AMR-WB extension for high audio quality	AMRW B+	TSG	Fri 13/12/02	Thu 17/03/05	95%	No	No	26.290, 26.304, 26.273		Janne Vainio (Nokia)
F	34027	S4	Rel-6	No	Codec Enhancements for Packet Switched Conversational Multimedia Applications	CEPSC M	WG	Tue 16/03/04	Thu 16/12/04	100%	No	No	26.235, 26.236	Completed	Miska Hannuksela (Nokia)
F	34028	S4	Rel-6	No	3G-324M Improvements	3G-324MI	WG	Tue 16/03/04	Thu 16/12/04	100%	No	No	26.111, 26.911	Completed	Bo Burman, Ericsson
F	51101	"GP; G1"	Rel-6	No	Single Antenna Receiver Interference Cancellation (SAIC)	SAIC	TSG	Fri 15/11/02	Fri 27/08/04	100%	No	No			Marc Grant, Cingular Wireless
F	50500	GP	Rel-6	No	Support of Conversational Services in A/Gb mode via the PS domain	SCSAG B	TSG	Fri 07/02/03	Fri 11/11/05	25%	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 28/01/05	85%	No	No		Started	David Bladsjö, Ericsson

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BB	50503	GP	Rel-6	No	Radio Channel Support	SCSAGB-RCS	TSG	Fri 06/02/04	Fri 11/11/05	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 11/11/05	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50505	GP	Rel-6	No	PS Handover	SCSAGB-PSH	TSG	Fri 06/02/04	Fri 28/01/05	25%	No	No		Started	David Bladsjö, Ericsson
BB	50506	"GP; G2"	Rel-6	No	Modifications to FLO	SCSAGB-FLO	TSG	Fri 06/02/04	Fri 11/11/05	0%	No	No		Not started	David Bladsjö, Ericsson
F	12006	S1	Rel-6	No	Enhancement of dialled service for CAMEL	EDCAM EL	TSG	Fri 28/03/03	Wed 31/12/03	100%	No	No			Craig Bishop, Samsung Electronics Research Institute
BB	12007	N4	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	BARS		Sun 01/06/03	Wed 16/06/04	100%	No	No	23.977		
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	100%	No	No		Approved TSG#20	Raziq Yaqub, Toshiba America Research Inc.
F	50600	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTB F	TSG	Fri 05/04/02	Fri 28/01/05	60%	No	No			Gunnar Mildh, Ericsson
BB	50601	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTB F - Agbmode	TSG	Fri 05/04/02	Fri 29/08/03	100%	No	No			Gunnar Mildh, Ericsson
WT	50602	"GP;G 2"	Rel-6	No	Multiple TBF Concept paper			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50603	"GP;G 2"	Rel-6	No	Multiple TBF Stage 2 (43.064) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50604	"GP;G 2"	Rel-6	No	Multiple TBF Stage 3 (44.060) CRs			Fri 05/04/02	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	50605	G3	Rel-6	No	Multiple TBF in A/Gb mode – MS testing	MULTBF-Testing	TSG	Fri 05/04/02	Fri 28/01/05	0%	No	No		Under evaluation	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 28/01/05	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 28/01/05	80%	No	No		Started	
F	50444	GP	Rel-6	No	Addition of U-TDOA in the CS domain	UTDOA CS	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.
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	100%	No	No			Bob Gross, Rhys Robinson, TruePosition, Inc.
F	50101	GP	Rel-6	No	Downlink Advanced Receiver Performance	DARP	TSG	Fri 21/11/03	Mon 28/02/05	92%	No	No			Tommy Bysted, Nokia
BB	50102	GP	Rel-6	No	DARP test scenarios	DARP-TS	TSG	Fri 21/11/03	Fri 27/08/04	100%	No	No			Tommy Bysted, Nokia
BB	50103	GP	Rel-6	No	DARP for GSMK modulated voice services	DARP-GMSK	TSG	Fri 06/02/04	Fri 12/11/04	99%	No	No			Tommy Bysted, Nokia
WT	50104	GP	Rel-6	No	Performance requirements in 45.005	DARP-GMSK-Perf	TSG	Fri 06/02/04	Fri 12/11/04	100%	No	No			
WT	50105	GP	Rel-6	No	Radio subsystem link control in 45.008	DARP-GMSK-LC	TSG	Fri 06/02/04	Fri 12/11/04	100%	No	No			
BB	50106	GP	Rel-6	No	DARP for GPRS and EGPRS MCS1-MCS4	DARP-GPRSE	TSG	Fri 06/02/04	Fri 12/11/04	99%	No	No			Tommy Bysted, 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
WT	50107	GP	Rel-6	No	Performance requirements in 45.005	DARP-GPRSE-Perf	TSG	Fri 06/02/04	Fri 12/11/04	100%	No	No			
WT	50108	GP	Rel-6	No	Radio subsystem link control in 45.008	DARP-GPRSE-LC	TSG	Fri 06/02/04	Fri 12/11/04	100%	No	No			
BB	50115	GP	Rel-6	No	DARP Capability signalling	DARP-CAPSIG	TSG	Fri 21/11/03	Fri 12/11/04	100%	No	No			Tommy Bysted, Nokia
BB	50116	G3	Rel-6	No	GERAN MS Conformance test for DARP	ARP-ConfTes t	TSG	Fri 27/08/04	Mon 28/02/05	20%	No	No		Started	Tommy Bysted, Nokia
F	50109	G2	Rel-6	No	Reduction of PS service interruption in Dual Transfer Mode	PSintD TM	TSG	Fri 21/11/03	Fri 28/01/05	54%	No	No			Toby Proctor, Siemens
BB	50110	G2	Rel-6	No	Use case and requirement definition	PSintDT M-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	PSintDT M-Perf	TSG	Fri 21/11/03	Fri 23/04/04	100%	No	No		Started	Toby Proctor, Siemens
BB	50112	G2	Rel-6	No	Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures	PSintDT M-Reduct	TSG	Fri 23/04/04	Fri 12/11/04	100%	No	No			Toby Proctor, Siemens
BB	50113	G3	Rel-6	No	MS Conformance testing	PSintDT M-ConfMS	TSG	Fri 25/06/04	Fri 28/01/05	0%	No	No		Under evaluation	
BB	50114	G3	Rel-6	No	BTS Conformance testing	PSintDT M-ConfBTS	TSG	Fri 25/06/04	Fri 28/01/05	0%	No	No		Under evaluation	
F	12008	N4	Rel-6	No	CAMEL prepay interworking with SCUDIF	SCCAM EL		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_VS S	TSG	Mon 12/01/04	Fri 29/10/04	53%	No	No	23.801		John Watson, Vodafone Group

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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	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	Rel-6	No	Stage 2 Study on architecture alternatives			Mon 12/01/04	Fri 13/08/04	100%	No	No			
BB	32072	S2	Rel-6	No	Stage 2 description on Redial			Mon 03/05/04	Fri 29/10/04	85%	No	No	23.903		
BB	52137	G2	Rel-6	No	GERAN2 Part		TSG	Mon 12/01/04	Thu 14/10/04	0%	No	No			
BB	13017	N3	Rel-6	No	CN3 Part			Mon 12/01/04	Thu 14/10/04	0%	No	No			
F	33020	S3	Rel-6	No	"Network Domain Security; MAP application layer security (NDS/MAPsec)"	MAPSE C	TSG	Tue 06/07/04	Wed 29/12/04	20%	No	No		Approved TSG#24	Peter Howard, Vodafone
F	33021	S3	Rel-6	No	FS on Security for early IMS	SEC-IMS	TSG	Fri 01/10/04	Mon 28/03/05	90%	No	No		Approved TSG#24	Peter Howard, Vodafone
F	31029	S1	Rel-6	No	Deleted - Study of Feature Interactions Requirements	FINTER		Fri 01/10/04	Fri 01/10/04	100%	No	No		SP-23 - To be abandoned?	

Annex I: Current Release 7 Features list, extracted from the Project Plan - Version March 25 2005

Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 March 25th

F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	0		Rel-7	No	Rel-7 Features listed below			Mon 03/01/00	Mon 03/01/00	0%	No	No			
BB	2468	R1	Rel-7	No	Multiple Input Multiple Output antennas (MIMO)	MIMO	RAN_Work_Items	Fri 14/03/03	Thu 15/12/05	12%	No	No	TR25.876, TR25.996		Howard Huang, Lucent
BB	21006	R1	Rel-7	No	Physical layer	MIMO-Phys	RAN_Work_Items	Fri 12/09/03	Tue 15/03/05	60%	No	No	25.211, 25.212, 25.213, 25.214, 25.215, 25.221, 25		Howard Huang, Lucent
BB	22003	R2	Rel-7	No	Layer 2,3 aspects	MIMO-L23	RAN_Work_Items	Fri 12/09/03	Thu 15/12/05	0%	No	No	TR 25.876		Howard Huang, Lucent
BB	23008	R3	Rel-7	No	Iub/Iur Protocol Aspects	MIMO-Iur/Iub	RAN_Work_Items	Fri 14/03/03	Thu 15/12/05	0%	No	No			Howard Huang, Lucent
BB	24008	R4	Rel-7	No	RF, Performance Req and Conf. Testing	MIMO-RF	RAN_Work_Items	Fri 12/12/03	Thu 15/12/05	5%	No	No			Man Hung Ng, Lucent
F	32045	S2	Rel-7	No	PS domain and IMS impacts for supporting IMS Emergency calls	EMC1	SP-030124	Mon 14/08/00	Thu 08/12/05	34%	No	No			Rainer Liebhart
WT	1314	S1	Rel-7	No	Service Requirements for IP-based emergency calls	EMC1		Mon 18/09/00	Fri 25/06/04	100%	No	No	22.976		
BB	32046	S2	Rel-7	No	Stage 2 for IMS-level solution	EMC1		Wed 26/02/03	Thu 30/06/05	72%	No	No	23.228, 23.060, 23.002		Rainer Liebhart, Siemens
BB	32080	S2	Rel-7	No	Stage 2 for GPRS-level solution	EMC1		Thu 14/10/04	Thu 08/12/05	26%	No	No			

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	1653	C1	Rel-7	No	Emergency Call Enhancements for IP & PS Based Calls – stage 3	EMC1	NP-040608	Mon 14/08/00	Mon 11/07/05	0%	Yes	Yes			Mr Atle Monrad, Ericsson
WT	1315	C1	Rel-7	No	IMS aspects to support IMS Emergency sessions	EMC1		Tue 17/10/00	Fri 08/07/05	0%	No	No	24.229		Mr Atle Monrad, Ericsson
WT	1646	C1	Rel-7	No	PS domain aspects to support IMS Emergency sessions	EMC1		Mon 14/08/00	Mon 11/07/05	0%	No	No	24.008		Mr Atle Monrad, Ericsson
F	32064	S2	Rel-7	No	Access Class Barring and Overload Protection	ACBOP	SP-040338	Mon 15/03/04	Thu 31/03/05	49%	No	No	23.898		Chris Pudney, Vodafone
BB	32065	S2	Rel-7	No	TR on Stage 2	ACBOP		Mon 15/03/04	Thu 31/03/05	61%	No	No			
BB	50117	GP	Rel-7	No	Extra ACBOP information in GERAN	ACBOP		Mon 15/03/04	Tue 15/06/04	0%	No	No	44.018		
BB	11048	C1	Rel-7	No	Stage 3 CN aspects of ACBOP	ACBOP		Wed 08/12/04	Wed 08/12/04	100%	No	No		NEW - inserted on 2/9/2004	
BB	20010	RP	Rel-7	No	Deleted - Potential impact on lu interface Overload functionality	ACBOP		Mon 15/03/04	Mon 15/03/04	100%	No	No	25.413		
BB	20009	RP	Rel-7	No	Deleted - Extra ACBOP information in RAN	ACBOP		Mon 15/03/04	Mon 15/03/04	100%	No	No	25.331		
F	31048	S1	Rel-7	No	USSD message delivery and transfer to USIM	USSD-USIM	SP-040104	Fri 05/03/04	Wed 16/11/05	29%	No	No	22.090		
BB	31060	S1	Rel-7	No	Stage 1	USSD-USIM	SP-040104	Thu 18/03/04	Fri 15/10/04	80%	No	No	22.090		
BB	43008	C5	Rel-7	No	Alignment with requirements regarding USSD usage	USSD-USIM	TP-040069	Fri 05/03/04	Wed 16/11/05	0%	No	No			Christophe Dubois (Axalto)
F	32079	S2	Rel-7	No	Location Services Rel-7 enhancements	LCS3	SP-030127	Mon 28/06/04	Thu 15/06/06	25%	No	No	23.271		

Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 March 25th															
F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	31052	S1	Rel-7	No	LCS for 3GPP Interworking WLAN	LCS3-IWLAN	SP-040309	Mon 28/06/04	Mon 03/01/05	65%	No	No	22.935		Mike Loushine, (Telcordia)
WT	32077	S1	Rel-7	No	FS on 3GPP system to WLAN Interworking with LCS	LCS3-IWLAN		Mon 28/06/04	Mon 03/01/05	65%	No	No	22.935	DAB - Should be SA1	
BB	20030	RP	Rel-7	No	UE positioning Rel-7	LCS3-UEpos		Wed 15/09/04	Thu 15/06/06	20%	No	No			
WT	20012	R2	Rel-7	No	Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications	LCS3-UEpos-UTDOA		Wed 15/09/04	Thu 15/06/06	20%	No	No	TS25.305, TS25.453	Approved at RP#25 as RP-040387	Robert Gross, TruePosition
BB	50558	GP	Rel-7	No	LCS Enhancements Related to Location-Based Services	LCS3-LBS	GP-050265	Fri 28/01/05	Fri 24/06/05	0%	No	No	43.059, 44.031, 48.008, 49.031		Kevin Judge, SiRF Technologies
F	32029	S2	Rel-7	No	FS on applicability of GALILEO for LCS	Galileo	SP-020541	Mon 08/07/02	Thu 30/06/05	45%	No	No			
BB	32058	S2	Rel-7	No	TR on Stage 2	Galileo		Mon 08/07/02	Thu 30/06/05	45%	No	No			
BB	50095	GP	Rel-7	No	deleted - GERAN review of the TR	Galileo		Mon 25/08/03	Mon 25/08/03	0%	No	No			
F	31050	S1	Rel-7	No	Behaviour of Multi system UEs	BMSU	SP-040513	Mon 28/06/04	Wed 16/03/05	40%	No	No	22.936		D Williams (QUALCOMM)
F	31053	S1	Rel-7	No	Selective Disabling of UE Capabilities	SDoUE	SP-040514	Mon 21/03/05	Fri 08/12/06	6%	No	No	22.xxx		Nigel Barnes (Motorola Ltd)
BB	32088	S2	Rel-7	No	Stage 1	SDoUE-CRs		Mon 21/03/05	Fri 08/12/06	10%	No	No	22.101		Nigel Barnes (Motorola Ltd)
BB	32089	S2	Rel-7	No	TR on different possible architectures			Mon 21/03/05	Fri 09/06/06	0%	No	No	22.xxx		
F	31063	S1	Rel-7	No	Combinational Services	IRTSD-IMSCSs1	SP-050074	Mon 17/01/05	Fri 28/10/05	8%	No	No			Robert Frank, TeliaSonera
BB	31064	S1	Rel-7	No	Stage 1	CSICS	SP-040926	Mon 17/01/05	Thu 09/06/05	25%	No	No	22.279		

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	32084	S2	Rel-7	No	Stage 2	CSICS		Mon 17/01/05	Fri 15/07/05	0%	No	No	22.379		
BB	11054	C1	Rel-7	No	Stage 3	CSICS	NP-050063	Mon 02/05/05	Fri 28/10/05	0%	No	No	24.229, 24.008		Peter Dawes (Vodafone)
F	31067	S1	Rel-7	Yes	All-IP Network (AIPN)	AIPN	SP-050181	Mon 28/06/04	Wed 15/03/06	41%	No	No	22.978		Chris Sachno (NTT DoCoMo)
BB	31059	S1	Rel-7	No	All-IP Network Feasibility Study	AIPFS	SP-040303	Mon 28/06/04	Wed 16/03/05	100%	No	No	22.978		Chris Sachno (NTT DoCoMo)
BB	31068	S1	Rel-7	Yes	Stage1	AIPN	SP-050181	Mon 28/06/04	Wed 15/03/06	17%	No	No	22.978		Chris Sachno (NTT DoCoMo)
F	32073	S2	Rel-7	No	Enhancement of E2E QoS	QoS7		Mon 28/06/04	Mon 13/06/05	30%	No	No	23.802	DAB - pushed back to June	
F	32074	S2	Rel-7	No	System enhancements for fixed broadband access to IMS	FBI		Tue 03/08/04	Wed 07/09/05	6%	No	No			
BB	32075	S2	Rel-7	No	Stage 2	FBI		Thu 14/10/04	Wed 07/09/05	7%	No	No			
BB	11050	C1	Rel-7	No	Protocol impact from providing IMS services via fixed broadband	FBI	NP-040618	Tue 03/08/04	Thu 03/03/05	5%	No	No	new TR, 24.229, 29.229, 29.163, 29.209	WI sent to NP#25 for approval	Siemens
BB	32005	S2	Rel-7	No	IMS Local services (CN WID needed)	IMSLoca		Mon 01/01/01	Wed 08/06/05	29%	No	No	23.228		
WT	32019	S2	Rel-7	No	Stage 2 (SA2 propose delete this)	IMSLocal		Mon 01/01/01	Fri 29/03/02	100%	No	No		DAB - Not yet required in SA2 as it exists in previous releases	
BB	11035	C1	Rel-7	No	Stage 3 for IMS Local services	IMSLoca	NP-040034	Wed 10/11/04	Wed 08/06/05	0%	No	No			Keith Drage, Lucent
BB	14012	C4	Rel-7	No	Mp (MRFC - MRFP) interface - CN4 Part (check supporting companies)	IMSLoca		Fri 13/12/02	Wed 01/06/05	0%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601).....	

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	11052	C1	Rel-7	No	IMS Stage 3 IETF Protocol alignment	IMSProtocol	NP-040617	Fri 10/12/04	Fri 09/12/05	0%	No	No			
F	20028	RP	Rel-7	No	Rel-7 Improvements of the Radio Interface	RInImp		Wed 15/09/04	Thu 15/12/05	18%	No	No			
BB	20021	R4	Rel-7	No	UMTS 2.6 GHz	RInImp-UMTS2600		Wed 15/09/04	Wed 15/06/05	60%	No	No	TS25.101, TS25.104, TS25.133, TS25.141, TS25.331, TS25.942, TS25.306, TS25.307, TS34.121	Approved at RP#25 as RP-040377	Jussi Numminen, Nokia
BB	20025	R4	Rel-7	No	UMTS 2.6 GHz TDD	RInImp-UMTS2600TDD		Wed 15/12/04	Thu 15/12/05	5%	No	No	25.102, 25.105, 25.113, 25.123, 25.142, 25.331, 25.942, 25.306, 25.307, 34.122, 34.124		Shin Horng Wong (IPWireless)
BB	20027	R4	Rel-7	No	UMTS 900 MHz	RInImp-UMTS900		Wed 15/12/04	Thu 15/12/05	10%	No	No	25.101, 25.104, 25.113, 25.133, 25.141, 25.331, 25.942, 25.306, 25.307, 34.121		Yannick Li (Nortel)
BB	20024	R4	Rel-7	No	UE Antenna Performance Evaluation Method and Requirements	RInImp-UEAnt		Wed 15/12/04	Thu 15/09/05	20%	No	No	TS25.101		Christian Bergjung (TeliaSonera)

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	20032	R2	Rel-7	No	Improved support of IMS Realtime Services using HSDPA/HSUPA			Tue 15/03/05	Thu 15/12/05	0%	No	No			Don Zelmer
F	20014	RP	Rel-7	No	7.68Mcps TDD option	VHCRTD		Wed 15/09/04	Wed 15/03/06	5%	No	No		Approved at RP#25 as RP-040365	Martin Beale, IPWireless
BB	20015	R1	Rel-7	No	Stage 2	VHCRTD-D-Stage2		Wed 15/09/04	Thu 15/09/05	5%	No	No	New specification	Approved at RP#25 as RP-040365	Martin Beale, IPWireless
BB	20016	R1	Rel-7	No	Physical Layer	VHCRTD-D-Phys		Wed 15/09/04	Thu 15/09/05	5%	No	No	TS25.221, TS25.222, TS25.223, TS25.224, TS25.225	Approved at RP#25 as RP-040365	Martin Beale, IPWireless
BB	20017	R2	Rel-7	No	Layer 2 and layer 3 protocol aspects	VHCRTD-D-L23		Wed 15/09/04	Thu 15/09/05	0%	No	No	TS25.301, TS25.302, TS25.305, TS25.306, TS25.321, TS25.331	Approved at RP#25 as RP-040365	Derek Richards, IPWireless
BB	20018	R3	Rel-7	No	UTRAN Iub/Iur Protocol Aspects	VHCRTD-D-IurIub		Wed 15/09/04	Thu 15/09/05	5%	No	No	TS25.401, TS25.420, TS25.423, TS25.425, TS25.427, TS25.430, TS25.433, TS25.435	Approved at RP#25 as RP-040365	Peter Legg, IPWireless
BB	20019	R4	Rel-7	No	RF, Performance Req and Conf. Testing	VHCRTD-D-RF		Wed 15/09/04	Wed 15/03/06	10%	No	No	TS25.102, TS25.105, TS25.123, TS25.133, TS25.142	Approved at RP#25 as RP-040365	Shin Horng Wong
F	20029	RP	Rel-7	No	Rel-7 RAN improvements	RANimp		Mon 03/01/00	Thu 15/12/05	7%	No	No		Generic feature	
BB	20026	R1	Rel-7	No	Optimisation of channelisation code utilisation for 1.28 Mcps TDD	RANimp-RABSE-CodOptL CRTDD		Wed 15/12/04	Wed 14/09/05	35%	No	No			Ka Leong Lo

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	20031	R2	Rel-7	No	CS and PS Call Setup Delay Improvement			Tue 15/03/05	Thu 15/12/05	0%	No	No	TS25.321, TS25.322, TS25.331		Juho Pirskanen
BB	20033	R4	Rel-7	No	UE Performance Requirements for MBMS (TDD)	MBMS-RAN-RF-TDD		Mon 03/01/00	Tue 03/04/01	0%	No	No	TS25.102, TS25.123		Shin Horng Wong
BB	20034	R4	Rel-7	No	FS on Perf Eval of the UE behaviour with speeds up to 350 kmph			Mon 03/01/00	Tue 03/04/01	0%	No	No			Mike Vogel
F	20035	RP	Rel-7	No	3.84 Mcps TDD Enhanced Uplink	EDCHT DD		Tue 15/03/05	Thu 15/06/06	0%	No	No			Nicholas Anderson
BB	20036	R2	Rel-7	No	Stage 2	EDCHTD-D-Stage2		Tue 15/03/05	Thu 15/12/05	0%	No	No			Nicholas Anderson
BB	20037	R1	Rel-7	No	Physical Layer	EDCHTD-D-Phys		Tue 15/03/05	Wed 15/03/06	0%	No	No	TS25.201, TS25.221, TS25.222, TS25.223, TS25.224, TS25.225		Nicholas Anderson
BB	20038	R2	Rel-7	No	Layer 2 and 3 Protocol Aspects	EDCHTD-D-L23		Tue 15/03/05	Wed 15/03/06	0%	No	No	TS25.301, TS25.302, TS25.306, TS25.321, TS25.331		Derek Richards
BB	20039	R3	Rel-7	No	UTRAN Iub/Iur Protocol Aspects	EDCHTD-D-IubIur		Tue 15/03/05	Wed 15/03/06	0%	No	No	TS25.401, TS25.420, TS25.423, TS25.427, TS25.430, TS25.433, TS25.435		Jim Miller
BB	20040	R4	Rel-7	No	RF, Performance Req and Conf. Testing	EDCHTD-D-RF		Tue 15/03/05	Thu 15/06/06	0%	No	No	TS25.102, TS25.105, TS25.123, TS25.142		Shin Horng Wong
F	32081	S2	Rel-7	No	Support of SMS and MMS over generic 3GPP IP access	SMSIP	SP-040688	Thu 14/10/04	Mon 13/06/05	46%	No	No		DAB - pushed back to June	

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F/BB/WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	WI sheet	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	32082	S2	Rel-7	No	Evolution of Policy Control and Charging	PCC	SP-040533	Thu 14/10/04	Wed 28/12/05	8%	No	No			
F	31051	S1	Rel-7	No	Advanced Global Navigation Satellite System (A-GNSS) concept	LCS3-AGNSS	SP-040681	Mon 28/06/04	Tue 12/04/05	15%	No	No			Michel MONNERAT
BB	50548	GP	Rel-7	No	Support for GNSS in GERAN	AGNSS-GP	GP-042268	Mon 28/06/04	Tue 12/04/05	10%	No	No			Richard Couty, ALCATEL SA
BB	50551	S1	Rel-7	No	Towards A-GNSS Concept	GNSS	GP-042677	Fri 27/08/04	Fri 08/04/05	20%	No	No		To become a BB under 31051 !	Richard Couty, ALCATEL SA
F	50553	GP	Rel-7	No	Generic Access to A/Gb Interface (GAAI)	GAAI	GP-042247	Fri 25/06/04	Fri 24/06/05	42%	No	No			Motorola
BB	50544	GP	Rel-6	No	FS on GAAI	GAAG	GP-041592	Fri 25/06/04	Fri 27/08/04	100%	No	No	TR 43.901	Feasibility Study	Motorola
BB	50554	GP	Rel-6	No	GAAI – Stage 2	GAAI-Stage2	Fri 27/08/04	Fri 08/04/05	100%	No	No	TS 43.318	Completed	Jari Vikberg (KI/EAB)	
BB	50555	GP	Rel-6	No	GAAI – Stage 3	GAAI-Stage3	Fri 27/08/04	Fri 08/04/05	25%	No	No	TS 44.318	Started		
BB	50556	GP	Rel-6	No	MS Conformance Test for GAAI	GAAI-CT	Fri 27/08/04	Fri 24/06/05	0%	No	No		Not started		
F	34030	S4	Rel-7	No	Video Codec Performance Requirements	VICPer	SP-040836	Mon 03/01/05	Thu 16/03/06	10%	No	No	26.234, 26.235, 26.346, 26.140		Juergen Pandel (Siemens AG)
F	13023	C3	Rel-7	No	DIAMETER on the GGSN Gi interface	DIAMGI	NP-040434	Fri 10/09/04	Fri 16/09/05	0%	No	No		Not started	Stefan Koppenborg (T-Mobile)
F	31065	S1	Rel-7	No	CAMEL Trunk Triggers	TTCAM EL	SP-040743	Fri 17/12/04	Mon 05/12/05	15%	No	No			Amar Deol, Nortel Networks
BB	31066	S1	Rel-7	No	CAMEL Trunk Triggers Stage1	TTCAME L	SP-040743	Fri 17/12/04	Mon 05/12/05	20%	No	No			Amar Deol, Nortel Networks

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BB	14017	C4	Rel-7	No	CAMEL Trunk Originated Trigger Detection Points	CamelR7	NP-040550	Fri 17/12/04	Mon 05/12/05	10%	No	No		Not started	David Hutton, Nortel Networks
F	50118	G1	Rel-7	No	MS Antenna Performance Evaluation Method and Requirements	APEMR	GP 050284	Fri 28/01/05	Fri 11/11/05	0%	No	No	25.9xx, 45.005		Ulf.Tegth (TeliaSonera)
F	50119	GP	Rel-7	No	Lower 700 MHz Inclusion in the GERAN Specifications	GSM710	GP 050543	Fri 28/01/05	Fri 24/06/05	10%	No	No	24.008, 43.022, 44.018, 44.118, 45.001, 45.005, 51.010, 51.021		Dave Cotton (UTC)
F	32085	S2	Rel-7	No	3GPP System Architecture Evolution	Evol	SP-040928	Fri 03/12/04	Wed 06/06/07	2%	No	No			
BB	32086	S2	Rel-7	No	Stage 2 description of interim conclusion	Evol		Fri 03/12/04	Tue 06/06/06	3%	No	No	23.8xx		
BB	32087	S2	Rel-7	No	Stage 2 Feasibility study on 3GPP architectural development	Evol		Fri 03/12/04	Wed 06/06/07	2%	No	No	23.8xx		
F	31049	S1	Rel-7	No	Enhancements of VGCS - (to be clarified)	EGCS	SP-040304	Mon 28/06/04	Tue 11/10/05	19%	No	No	42.068, 43.068	Full name: Enhancements of VGCS in public networks for communication of public authority officials	Joerg Swetina (Siemens AG)
BB	31070	S1	Rel-7	No	Service Requirements for VGCS improvements	IVGCS	SP-050075	Tue 15/03/05	Wed 08/06/05	0%	No	No	42.068		Kurt Bischinger (T-Mobile)
BB	32090	S2	Rel-7	No	Stage 2 modifications for VGCS improvements	IVGCS	SP-050075	Tue 15/03/05	Wed 28/09/05	0%	No	No	42.068		Kurt Bischinger (T-Mobile)

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BB	11045	C1	Rel-7	No	Enhancements of VGCS for public authority officials	EGCS	NP-040435	Mon 28/06/04 4	Fri 08/04/05 5	43%	No	No	43.068, 44.068, 24.008, 29.002	WI sent to NP#25 for approval	Siemens
WT	31061	S1	Rel-7	No	Stage 1	EGCS	SP-040304	Mon 28/06/04	Thu 16/12/04	99%	No	No	42.068, 43.068		Joerg Swetina (Siemens AG)
WT	52076	G2	Rel-7	No	GERAN2 aspects	EVGCS	GP-041837	Fri 27/08/04	Fri 08/04/05	0%	No	No			Ken Isaacs (Siemens)
BB	11053	C1	Rel-7	No	Improvements of VGCS for parallel use of services	EGCS	NP-050141	Tue 01/03/05 5	Tue 11/10/05 5	0%	No	No			
WT	31069	S1	Rel-7	No	Stage 1	IVGCS	SP-050075	Tue 01/03/05	Tue 11/10/05	0%	No	No	42.068		Kurt Bischinger (T-Mobile)
F	31071	S1	Rel-7	No	Rel-7 OSA Service broker	OSA7-SB	SP-050183	Tue 15/03/05 05	Wed 28/09/05 05	0%	No	No			Emonn Murray (AePONA)
BB	31072	S1	Rel-7	No	Service Requirements for Service Broker	OSA7-SB	SP-050183	Tue 15/03/05 5	Wed 08/06/05 5	0%	No	No	22.127		Emonn Murray (AePONA)
BB	43011	CT5	Rel-7	No	Stage 2 modifications for Service Broker	OSA7-SB	SP-050183	Tue 15/03/05 5	Wed 28/09/05 5	0%	No	No	23.127		Emonn Murray (AePONA)
F	34032	S4	Rel-7	No	Dynamic and interactive multimedia scenes	DIMS	SP-050195	Tue 15/03/05 05	Fri 09/12/05 05	0%	No	No	26.234, 23.346, 26.140, 26.244		Gaëlle MARTIN-COCHER (Streamazzo)
F	34033	S4	Rel-7	No	Performance Characterization of VoIMS over HSDPA/EUL channels	PCVoIMS	SP-050089	Tue 15/03/05 05	Wed 15/03/06 06	0%	No	No	26.935		Dimitris Vasilaras (Lucent Technologies)
F	33022	S3	Rel-7	No	Liberty Alliance and 3GPP Security Interworking	LibSec	SP-050145	Thu 10/03/05 05	Fri 30/09/05 05	0%	No	No		WID approved SA#27.	Silke Holtmanns, Nokia
F	31054	S1	Rel-7	No	FS on IMS with real time services deployment	IRTSD	SP-040465	Mon 28/06/04 04	Thu 15/12/05 05	70%	No	No			
BB	31055	S1	Rel-7	No	Feasibility Study on Combining CS calls and IMS sessions	IRTSD-CS_IMS	SP-040467	Mon 28/06/04 4	Thu 15/12/05 5	100%	No	No	22.979, 23.899		

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BB	32076	S2	Rel-7	No	TR on Stage 2 (IMS services using CS bearers)	IRTSD-IMSCS	SP-040479	Mon 28/06/04	Mon 12/09/05	50%	No	No	23.899		Mark Watson (Nortel Networks)
BB	32083	S2	Rel-7	No	TS on Stage 2 (IMS services using CS bearers)	IRTSD-IMSCS	SP-040479	Mon 28/06/04	Mon 13/06/05	50%	No	No			Mark Watson (Nortel Networks)
F	50552	GP	Rel-7	No	FS of enhanced support of Video Telephony	VIDGER	GP-042221	Fri 27/08/04	Fri 08/04/05	10%	No	No		Feasibility Study	Stefan Eriksson, Ericsson
F	20023	RP	Rel-7	No	FS on Evolved UTRA and UTRAN	RANFS-Evo		Wed 15/12/04	Wed 15/06/05	5%	No	No		vice rapporteur Don Zelmar (Cingular)	Takehiro Nakamura (NTT DoCoMo)
F	31075	S1	Rel-7	No	Study on Videotelephony teleservice	VidTel	SP-050184	Tue 15/03/05	Wed 06/12/06	0%	No	No			Kurt Bischinger (T-Mobile)
BB	31076	S1	Rel-7	No	Study on Videotelephony service requirements	VidTel	SP-050184	Tue 15/03/05	Wed 06/12/06	0%	No	No	22.9xx		Kurt Bischinger (T-Mobile)
F	31073	S1	Rel-7	No	Study of Network Selection Principles	NetSel	SP-050184	Tue 15/03/05	Thu 08/06/06	0%	No	No			Chris Friel (O2)
BB	31074	S1	Rel-7	No	Review of Network Selection Principles	NetSel	SP-050184	Tue 15/03/05	Thu 08/06/06	0%	No	No	22.8xx		Chris Friel (O2)
F	31062	S1	Rel-7	No	TBC: WLAN-UMTS Interworking Phase 2		SP 030712	Mon 05/01/04	Fri 16/09/05	30%	No	No		Created at TSG#27 by A. Sultan because of WLAN items belonging to Rel-7	Fredric Paint, Telenor
BB	31057	S1	Rel-7	No	Stage 1 on Session Continuity	WLAN-SC		Mon 05/01/04	Fri 11/06/04	100%	No	No			
BB	13022	C3	Rel-7	No	DIAMETER on the PDG Wi interface	DIAMWi	NP-040340	Fri 10/09/04	Fri 16/09/05	0%	No	No		Not started	Stefan Koppenborg (T-Mobile)
F	35041	S5	Rel-7	No	TBC: OAM&P Rel-7		SP-040766	Mon 16/02/04	Thu 08/12/05	2%	No	No	32-series	Created at TSG#27 by A. Sultan due to the split of the OAM BB Trace Rel-6/Rel-7	Michael TRUSS (Motorola)

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BB	35039	S5	Rel-7	No	Trace Management Rel-7	OAM-Trace	SP-050042	Mon 16/02/04	Thu 08/12/05	2%	No	No		TSG#27: SA5 BB WID to add Trace for IMS (SIP) CN1 24.229 has IETF dependency	Christian TOCHE (Nortel)
WT	35040	S5	Rel-7	No	Trace Management for IMS	OAM-Trace-IMS	SP-050042	Mon 09/05/05	Thu 08/12/05	5%	No	No	32.421/2/3		
WT	11046	C1	Rel-7	No	SIP enhancements for trace	Trace-SIP	NP-050061	Mon 16/02/04	Fri 17/06/05	0%	No	No			
F	14018	C4	Rel-7	No	TBC: Generic User Profile Phase 2			Tue 01/01/02	Tue 22/02/05	0%	No	No		"Created at TSG#27 by A. Sultan because of the move to Rel-7 of ""Common Objects""."	
BB	42003	C4	Rel-7	No	Stage 3 - Common objects		TP-020275	Tue 01/01/02	Tue 22/02/05	0%	No	No	24.241	No progress in CN4#26. This have to be moved to Rel-7. It was deleted from WID	
F	32078	S2	Rel-7	No	Deleted - IMS Phase 3			Wed 08/06/05	Wed 08/06/05	100%	No	No			
F	701216	RP	Rel-7	No	Deleted - Improvements of Radio Interface	RInImp	RAN_Wo_rk_It_ems	Wed 15/09/04	Wed 15/09/04	100%	No	No		This is a generic feature without particular end date	