Technical Specification Group Services and System Aspects *TSGS#27(05)0002*

Meeting #27, 14 - 17 March 2005,

Tokyo, Japan

Technical Specification Group Services and System Aspects *Report-v0.0.5rm*

Meeting #26, Athens, Greece

Source: **Secretary TSG SA**

Title: **Draft Report of meeting #26**

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Contents

Draft Report

1   Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the meeting and thanked the hosts, European Friends of 3GPP (EF3) for inviting TSG SA to Athens, Greece. Mr. A Cox welcomed delegates on behalf of EF3 and provided the domestic arrangements for the meeting. A social event had been kindly arranged by Vodafone for TSG SA delegates on the evening of Monday 13 December.

2   Approval of the Agenda

TD SP-040708: Draft agenda for TSG SA meeting #26. The draft agenda was introduced by the TSG SA Chairman, and was reviewed and approved.

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

IPR Declaration:

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

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

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

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

3   Approval of the meeting report of TSG SA Meeting # 25

TD SP-040709: Draft report of TSG SA meeting #25. The draft Report of the previous meeting of TSG SA was reviewed and approved.

4   Items for immediate consideration (For contributions to this point, please contact chairman in advance of meeting)

TD SP-040870: Proposed method for progressing work on 3GPP system evolution. This was introduced by NTT DoCoMo Inc. and considered the various activities taking place within 3GPP related to the evolution of the 3GPP system and proposed a working method for progressing this work in an efficient and effective manner. NTT DoCoMo Inc. recommended that SA WG2 be tasked to clarify the relationship between work items that appear to be related to IP-based network architecture evolution and take action to ensure activities are coordinated as appropriate and that relevant groups should endeavour to be aware of the progress made. It was commented that there were several other contributions on this and these should also be taken into account when this is discussed. The SA WG2 Chairman commented that there are All-IP discussions on-going in SA WG1, Ran Evolution discussions in RAN WGs and Fixed-Broadband discussions. He proposed that SA WG2 should study the overall System Architecture evolution in order to include all aspects. Delegates were asked to consider this for further discussion under agenda item 8.9.

TD SP-040883: Proposed Feasibility Study on 3GPP System Architecture Evolution. This was introduced by Vodafone and proposed that 3GPP should initiate a feasibility study of the long-term evolution accounting for the various work on-going or planned for systems architecture evolution. A Work Item Description proposing a Feasibility Study was also presented for this study. Concerning the time plan for this feasibility study, Vodafone proposed to complete the work on the same timescales as the RAN work (i.e. complete the FS by June 2006 and envisage all relevant core specifications by June 2007). TD SP-040879 and TD SP-040871 was also asked to be included in the discussions. Delegates were asked to consider this for further discussion under agenda item 8.9. The document was then revised in TD SP-040922 for this discussion.

TD SP-040879 Discussion for I-WLAN WIDs. This was introduced by Samsung to give background for discussions under agenda item 8.9. Delegates were asked to consider this for further discussion under agenda item 8.9.

TD SP-040871 Progression of work on WLAN Interworking Scenario 4 & 5. This was introduced by NTT DoCoMo Inc. to give background for discussions under agenda item 8.9. There were some comments and discussion over the scope of the work and whether it should include I-WLAN Interworking. Delegates were asked to consider this for further discussion under agenda item 8.9. The document was revised for further discussion in TD SP-040930.

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 RAN, TSG GERAN

There were no specific contributions under this agenda item. Questions and comments related to the TSGs were dealt with under agenda item 8.

The PCG/OP meeting report was not available but the main outcome was the decision to re-structure 3GPP TSGs into TSG SA, TSG GERAN, TSG RAN (RAN WGs and T WG1) and TSG CT (CN WGs and other T WGs). There was no impact on the structure of TSG SA.

6.2   Partners and their bodies

TD SP-040714: LS from ATIS: Submission of a high-level architecture and definition for Next Generation Network (NGN) from the perspective of the industry as represented by ATIS, entitled: "ATIS Next Generation Network (NGN) Framework, Part I: NGN Definitions, Requirement and Architecture, Issue 1.0, November 2004.". This was provided by ATIS.

Areas of Focus for the 3GPP (CN & SA), several areas or sections of the document are considered important to the North American interest; these are:

- Wireline/Wireless Integration
- Network/CPE Integration
- Parlay/OSA based Service Architecture and Open APIs
- Embedded access architecture, DSL and FTTx
- End-to-end QoS
- ENUM
- Presence
- Security

ATIS welcomed comments on this document. SA WG1 and SA WG2 Chairmen were asked to consider this contribution in their next meetings and provide comments, to ATIS contacts listed in the document.

TD SP-040869: LS from ETSI TC-TISPAN: Proposal for a second Workshop on "IMS over Fixed Access". This was introduced by the TSG SA Chairman. TSG SA and TSG CN were requested to confirm their interest for a second Workshop on IMS over Fixed Access and to express their view about the following proposed dates:

- 30-31 March 2005 (i.e. after SA/CN#27 and after TISPAN#5bis)
- 9-10 February 2005 (i.e. before SA#27 and CN#27 meetings).

It was agreed that participation in such a workshop would be beneficial. Output from the Workshop would need to be fed into the appropriate groups and no decisions should be made by the Workshop. The dates were considered and it was noted that the preference for ETSI TC TISPAN was for 9 - 10 February 2005. A response LS, based on TD SP-040887 was provided in TD SP-040903 which was reviewed. It was agreed that the Workshop should be open to all SDOs and that any agreements made **will** need endorsement by the parent standardisation bodies. The LS was revised in TD SP-040929 and was approved.

6.3   Others

TD SP-040711: LS from OMA-~~REL~~TP: Availability of OMA Work Programme Information. This was introduced by the TSG SA Chairman. OMA TP thanked 3GPP2 TSG-S for the referenced LS and for calling our attention to the problem of accessibility of WISPR information and hoped that the BoD will respond favourably to their recommendation but both 3GPP and 3GPP2 will be notified when any changes are finally approved and of their effective date. It was reported that the OMA BoD had received this LS and responded favourable. TSG SA noted this LS and understood that further communication on this could be expected from the OMA.

TD SP-040715: LS from OMA: Status of OMA BAC: Mobile Broadcast Services. This was introduced by Vodafone and provided further status on the Mobile Broadcast Services work within OMA. This liaison statement addressed two items:

-         Report on the current status of OMA Mobile Broadcast Services Requirements
-         Overview of the current state of architecture soliciting comments from 3GPP and 3GPP2.

OMA asked 3GPP and 3GPP2 to provide feedback on applicability of the preliminary OMA Mobile Broadcast Services architecture to their broadcast-multicast work items.

The LS was noted and SA WG1 were asked to take action if necessary on this.

TD SP-040874: LS from OMA ARC: IMS in OMA status information to 3GPP SA. This liaison was provided for information only and there was no specific requested action. However 3GPP was encouraged to review the content and provide any feedback if appropriate. The attached presentation on IMS in OMA Socialization was reviewed. The LS was noted and it was decided to send it to the SA WG2 e-mail list in order to determine if there are any comments from the Architecture experts.

TD SP-040829: LS from ITU Study Group Management Team: Request for further comments on the draft Technical Report Q.TRMMR on Mobility Management Requirements. TSG SA and TSG CN were asked to provide comments on draft Q.TRMMR to ensure that it is technically correct and in line with 3GPP Mobility Management specifications. The LS was noted and Members were asked to review the document and provide any comments to the appropriate groups.

TD SP-040878: Reply LS (from ITU-T SG16) on 3GPP Answer on "Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks". This was introduced by the TSG SA Chairman. ITU-T SG16 had reviewed the points mentioned on the LS from TSG SA and will take the points mentioned into account when progressing their work on "Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks". This LS was then noted.

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-040724: Status Report of SA1 to SA #26. This was introduced by the SA WG1 Chairman, using the presentation slides provided in TD SP-040723.

Questions and Comments:

Slides 15, 16: XIX SWG. The relationship between this and CSI in SA WG2 was questioned. The SA WG1 Chairman replied that the SA WG2 scope was broader than this services work and this will use some of the work done in SA WG2, but not all of it.

Slide 31: Future SA1 Plenary Meetings. The ETSI Director General questioned the choice of Cape town for the next meeting. The SA WG1 Chairman responded that this meeting had been agreed around 9 months ago, before the open letter on meeting venues had been circulated. It was noted also that a co-signatory of the open letter was hosting this meeting.

Slide 18: Multisystem SWG. It was commented that use case 2 had non-trivial impacts and should be considered along with use cases 3, 4 and 5.

Slide 18: Multisystem SWG. It was commented that the 5 integration levels did not appear to be in the correct order. The SA WG1 Chairman responded that these use-case scenarios were not designed to include the previous scenarios (e.g. as for WLAN scenarios).

Slide 18: Multisystem SWG. It was also noted that 3GPP2 were mentioned in the slide, but other systems may also have a dependency for this work.

Slide 17: AIPN SWG. Clarification on "WID update discussion but no agreement could be reached" was requested. The SWG Chairman responded that the need for a WID was generally accepted, but the timescales for completion had caused some disagreement between the members.

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

7.1.2   Questions for advice from TSG SA WG1

There were no specific contributions under this agenda item.

7.1.3   Approval of contributions from TSG SA WG1

CRs:

TD SP-040725: CRs to 22.101 on USIM support by 2G terminals of Rel-99 and Rel-4 (R99, Rel-4). It was questioned whether this was an essential change for Release 1999. It was argued that this reflects the situation already in the market and will not de-stabilise Release 1999, but will clarify the situation in the specification. It was considered however that this introduced a clarification to the current interpretation and was not therefore considered essential. These CRs were therefore rejected.

TD SP-040726: CR to 21.905 on definition of RAT (Rel-6). It was reported that comments had been received from other groups which were impacted by the proposals. The CR was therefore rejected and companies interested in progressing this should provide input to SA WG1 to develop a generally acceptable proposal. (The related LSs on this topic were therefore noted).

TD SP-040727: CRs to 22.127 to delete requirements from Rel-6. These CRs were approved.

TD SP-040728: CR to 22.141 on "Anonymous subscriptions to Presence lists" (Rel-6). This CR was approved.

TD SP-040729: CR to 22.228 on IMS CS Interworking (Rel-6). It was noted that this was a change only to Annex A, and no changes to clause 7 as mentioned on the CR cover page. This CR was approved.

TD SP-040730: CR to 22.240 on Removal of erroneous use cases (Rel-6). This CR was approved.

TD SP-040731: CR to 22.242 regarding reference to OMA DRM (Rel-6). This CR was revised to improve the text in TD SP-040906 which was reviewed. It was clarified that the reference to the OMA specification was likely to be changing in January 2005 and the reference to a specific version of the specification was questioned. The CR was re-worked in order to replace the dated reference in TD SP-040925 which was reviewed and approved.

MCC was asked by the TSG SA Chairman to think about a method where the URL links to references in specifications could be replaced by a more dynamic system, so that the specifications do not need to be revised each time the URLs change. MCC were asked to bring a proposal to the next meeting.

TD SP-040732: CR to 22.950 on Priority Service support for Emergency Service (Rel-6). This CR was approved.

TD SP-040733: CR to 22.952 on Priority Service support for Emergency Service (Rel-6). This CR was approved.

TD SP-040734: CR 22.038 on Extension of the USAT bearers (Rel-7). This CR was approved.

TD SP-040735: CRs to 22.071 on Velocity Service Description and Introducing A-GNSS concept to extend A-GPS to include GALILEO (Rel-6). It was commented that for CR071, the referenced Galileo specifications

were not available and reservations to including these references in the specification were expressed. **It was decided that, although no technical objection was received, due to the fact that the Galileo specifications are not publicly available, it is inappropriate to include this material into the specifications.** CR071 was therefore postponed until the specifications are made available by the Galileo Project. CR072 was considered and SA WG1 were asked to clarify the technologies included in this. Lucent reported that the intention was only for GPS use and offered to revise the CR to clarify this. The CR072 was therefore revised in TD SP-040907 and was reviewed and approved.

TD SP-040736: CR to 22.078 on regarding interworking between CAMEL and SCUDIF (Rel-7). This CR was approved.

TD SP-040737: CR to 22.234 on New features of I-WLAN for Rel-7. It was reported that a related contribution in TD SP-040871 may have an impact on this and it was agreed to review this CR after discussion of this contribution. The CR was then approved.

TD SP-040738: CRs to 42.068 on Sending a SMS to a Group and a Voice Group Call (Rel-7). CR007 was related to LSs in TD SP-040719 which was reviewed and the CR postponed and SA WG1 were asked to collaborate with EP RT on this issue. CR006 was approved.

TD SP-040719: Liaison statement (from EP RT) to 3GPP SA, SA WG1 for SMS into a group call. This was introduced by Nortel Networks and asked that this requirement is rejected due to the safety concerns the current requirement generates. It was proposed that SA WG1 should collaborate with EP RT in order to develop a revised CR which is also acceptable to EP RT. It was agreed that the proposal to allow non-group members to send SMS was acceptable in principle, but a mechanism is needed to guard against the possibility of sending an SMS when the voice group call is not active. **It was asked that SA WG1 and EP RT collaborate on this issue, preferably EP RT experts should provide their views and requirements in SA WG1. As a way to progress before the next SA WG1 meeting, an e-mail discussion should be initiated on this.**

TSs and TRs:

TD SP-040739: TR 22.978 (v1.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7). This was provided for information and was noted. WGs were asked to review the document and provide any comments to SA WG1.

TD SP-040740: TR 22.979 (v1.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7). This was provided for information and was noted. WGs were asked to review the document and provide any comments to SA WG1.

TD SP-040741: Update to GUP WI. This updated WI description was reviewed and approved.

TD SP-040744: Proposal for update of TSs from Rel-5 to Rel-6. This list was provided to show which specifications not already at version 6.x.y which SA WG1 intend to upgrade to version 6.0.0 when Rel-6 is functionally frozen. It was noted that only TS 22.121 was not intended to be upgraded. The list was then approved by TSG SA.

WIDs:

TD SP-040742: New of WI for Combinational Services. A proposal to combine this WID with a SA WG2 WI was provided in TD SP-040881 (see discussion under agenda item 7.2.3) and this WID was therefore rejected.

TD SP-040743: New WI on CAMEL Trunk Triggers. This WI description was reviewed and approved.

7.2   TSG SA WG2

7.2.1   Report from TSG SA WG2 and review of progress

TD SP-040905: SA2 Status Report. This was presented by the SA WG2 Chairman.

Questions and Comments:

Slide 25: Access Class Baring and Overload Protection. It was commented that there had been no conclusion yet on the content of Rel-7 and a contribution on this was provided in TD SP-040872, asking for this to be included in Rel-6. This was dealt with under agenda item 7.2.3.

Slide 16: Overall Architecture (TS 23.002). The use of "floor control" was questioned and it was asked if this referred to PoC. The SA WG2 Chairman responded that this was related to the MRFP which can be used for various conferencing services, including PoC.

Slide 23: PoC (TR 23.979). It was commented that although the work is reported as complete, there will be some additional work to do. The SA WG2 Chairman acknowledged that there may still be the need for corrections.

Slide 27: FS on applicability of GALILEO for LCS (TR 23.835). The completion of this was questioned. SA WG2 had not come to an agreement that this was completed as some issues (e.g. licensing) may have implications on the feature. It was commented that while the specifications are unavailable then we cannot assume the work is complete as the content of the specifications is not known. Draft TR 23.835 was presented to TSG SA#20 as version 1.0.0 but has not been re-presented to TSG SA since this. **It was concluded that this FS cannot be included as a part of Rel-6 at this time**.

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

7.2.2   Questions for advice from TSG SA WG2

TD SP-040710: LS (from SA WG2) on proposed work split 3GPP/3GPP2/OMA on Presence. This was introduced by the SA WG2 Chairman and asked OMA PAG group to confirm that the Presence architecture specified in OMA is consistent with the architecture defined in 3GPP TS 23.141 and asked to be informed about future architectural aspects to secure consistence between the 3GPP architecture and OMA Presence. This was copied to TSG SA for information and was noted.

TD SP-040712: Reply LS (from SA WG2) on Generic Access Network (GAN). This was introduced by the SA WG2 Chairman and asked TSG GERAN to keep SA WG2 informed on the progress of the Generic Access to A/Gb Interface work in GERAN. This was copied to TSG SA for information and was noted.

TD SP-040720: LS (from SA WG2) on evolution of network architecture. This was introduced by the SA WG2 Chairman and asked TSG SA to take this LS into account when discussing the outcome of the RAN evolution workshop and to give SA WG2 guidance on how to progress with the WLAN scenario 4/5 work, because currently, there is no agreement within SA WG2 as to whether or not this work should focus only on WLAN-3GPP interworking, or, whether it can focus on interworking to any other generic RAT. This was noted and will be taken into account with the RAN evolution workshop discussions.

7.2.3   Approval of contributions from TSG SA WG2

TSs and TRs:

TD SP-040822: TR 23.903 v2.0.0: Redial Solution for Voice-Video Switching. TIM commented that some items should be clarified in the draft TR before it is approved by TSG SA. The TSG RAN Chairman also asked what the impact on other WGs would be if something is added to this at a later time. TIM asked that the FS identify the features which are for the Rel-6 timeframe and what is identified for a future Release. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). **It was noted that there may be a need for CRs at the next meeting to complete and clarify some sections of the TR and contribution on this by concerned Members in SA WG2 was requested in order to allow finalisation of the TR and closing of the WI.**

TD SP-040749: TS 23.979, Version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). It was noted that the OMA Architecture work had progressed recently and this should be checked for consistency with this work. In particular it was reported that the GLMS no longer exists in the OMA architecture as it has been replaced with XML Document Manager entities; in 5.3.2.3 there is no Ringing/Alerting shown in the Manual Answer flow; and in 5.3.3.3 there is no Ringing/Alerting shown in this Manual Answer flow. The SA WG2 Chairman reported that the usage of Feature Tags will cover the PoC requirements when they are specified and no changes to the 3GPP specifications will be needed.

TD SP-040748: TR 23.899, Version 1.0.0. This TR was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG2.

CRs:

TD SP-040750: CRs to 23.002. These CRs were approved.

TD SP-040751: CRs to 23.060. These CRs were approved.

TD SP-040895: CRs to 23.107. There was an objection to the note containing a normative statement and the CR was revised in TD SP-040912 which was reviewed and approved.

TD SP-040753: CRs to 23.125. These CRs were approved.

TD SP-040875: CRs to 23.125 Rel-6. An alternative CR was provided to overcome the overlap of CRs 076r1, 082r1 and 102r2 in TD SP-040882. The CRs 076r1, 082r1 were rejected and CR102r2 was revised in TD SP-040882 (as CR102r4) which was approved.

TD SP-040896: CRs to 23.228. These CRs were approved.

TD SP-040755: CRs to 23.234. These CRs were approved.

TD SP-040900: CRs to 23.236. These CRs were approved.

TD SP-040757: CRs to 23.240. This CR was approved.

TD SP-040904: CRs to 23.246. These CRs were approved.

TD SP-040759: CRs to 23.251. These CRs were approved.

TD SP-040760: CRs to 23.271. These CRs were approved.

TD SP-040761: CRs to 23.981. These CRs were approved.

WIDs:

TD SP-040746: Updated WID on PS domain and IM CN subsystem support for IMS Emergency sessions. This revised WI description was approved.

TD SP-040747: WID for Combining CS and IMS services & Capability Detection mechanism" Building Blocks. A proposal to combine this WID with a SA WG1 WI was provided in TD SP-040881 which was discussed (see below) and this WID was therefore rejected.

TD SP-040881: WID for Combining CS and IMS services & Capability Detection and Exchange mechanism. This was introduced by Ericsson on behalf of Ericsson, Nokia, Nortel Networks, Siemens, TIM and Vodafone. There was a comment that the material proposed by this WID would warrant the production of TS(s) rather than TR(s). It was reported that this WID was for early investigation and was not intended to produce a TS immediately, but could be used in a second phase to provide the stage 2 changes as CRs to existing TSs. There was, however, support for the production of a TS and it was agreed that the WID should aim to produce a stage 2 TS and the Stage 1 work documented by CRs to other specifications, or to produce a new stage 1 specification. NEC also indicated their support for this WID and asked to be added to the list of supporting companies. The WID was revised to reflect these agreements and to include the Rapporteur in TD SP-040913 which was reviewed. It was clarified that SA WG1 were currently expected to produce CRs to their specifications, as indicated in the WID. The note that SA WG2 should consider the deliverable type was removed and the WID provided in TD SP-040926 which was approved.

TD SP-040872: Completion of ACBOP work. This was introduced by NTT DoCoMo Inc. and asked TSG SA to approve TR 23.898, as it is effectively 80 % complete and a conclusion of the necessity for DSAC is established. TSG SA was asked to encourage SA WG2 to conclude the FS, by assessing the need for other solutions, by their next meeting (even if Voting is needed to make a decision). TSG SA was also asked to encourage RAN WG2, CN WG1, and RAN WG3 to review the TR and implement the DSAC related CRs in time for March 2005, if they see no objection. It was considered enough not to approve the TR at this point,

but to ask SA WG2 to come to a resolution on this and to update the TR and provide the TR and information on the status of the work to the impacted RAN, CN and GERAN WGs who were encouraged to review this at their meetings.

The following was agreed:

-       TSG SA encourage SA WG2 to conclude the FS, by assessing the need for other solutions, by their next meeting, even if voting is necessary to achieve this.

-       TSG SA encourage RAN WG2, CN WG1, and TSG GERAN to review the TR and implement the DSAC related CRs in time for March 2005, if they see no objection.

7.3   TSG SA WG3

7.3.1   Report from TSG SA WG3 and review of progress

TD SP-040849: Reports from SA WG3 meetings #35 and #36. These reports were provided for information, and were noted.

TD SP-040848: SA WG3 Status Report to SA#26. This was presented by the SA WG3 Chairman.

Questions and Comments:

A request was made to make the WG Chairman's report available in good time before the meeting in future.

Slide 13: Upgrade request for 33.878 to be made 33.9xx series for referencing purposes. 3 and TIM expressed concerns over upgrading this TR to the 33.9xx series. Support was also expressed for the upgrade to 33.9xx and reference to the TR from the relevant specifications. this was further discussed under agenda item 7.3.3, where the TR was submitted for approval in TD SP-040866 (see below).

Slide 16: GERAN access security. It was clarified that the prohibition of A5/2 in earlier Releases may be difficult as there may be existing implementations with A5/2 support included.

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

7.3.2   Questions for advice from TSG SA WG3

TD SP-040868: Issue list to complete MBMS Security. This list was provided by SA WG3 to report the open issues on MBMS Security. This was reviewed and noted.

7.3.3   Approval of contributions from TSG SA WG3

CRs:

TD SP-040850: 3 SA WG3 LI Group Rel-6 CRs to TS 33.107 (Rel-6) which were agreed by SA WG3 by e-mail (30/11/2004). These CRs were approved.

TD SP-040851: 9 SA WG3 LI Group CRs to TS 33.108 (Rel-5 and Rel-6) which were agreed by SA WG3 by e-mail (30/11/2004). These CRs were approved.

~~**CRs:**~~

TD SP-040852: 3 CRs to 33.102 (Rel-6). These CRs were approved.

TD SP-040853: 1 CR to 33.200: SMS fraud countermeasures (Rel-6). It was questioned whether there was more than one SMSC addresses transported in MAP. If so, it needs to be clarified which address is referred to in this CR. The CR was checked off-line and a revision provided in TD SP-040921 and reviewed. It was reported that the changes made should be reviewed again by SA WG3 and a CR to build upon the solution can be done for the next meeting if necessary. This CR023 R2 was then approved.

Background information was provided in TD SP-040924 which was noted.

TD SP-040854: 1 CR to 33.203: Editorial corrections (Rel-6). This CR was approved.

TD SP-040855: 17 CRs to 33.220: (Rel-6). These CRs were approved.

TD SP-040856: 2 CRs to 33.221: (Rel-6). These CRs were approved.

TD SP-040889: 6 CRs to 33.222: (Rel-6). These CRs were approved.

TD SP-040867: LS (from SA WG3) Request for advise on handling IETF draft for Rel-6. This was introduced by the SA WG3 Chairman and explained the disagreement within SA WG3 on the handling of the IETF dependency for Rel-6. Two alternative CRs were provided in TD SP-040890 to include or remove PSK TLS. The IETF co-ordination officer reported that the document was in good condition and suggested if the draft has reached Last Call then the WG should keep it and if not, then to remove it. **It was agreed to check the status at the next meeting to make the decision.**

TD SP-040890: 2 alternative CRs to 33.222: Removing, or alternatively, Keeping PSK TLS from 3GPP Rel-6. These were postponed awaiting the status of the IETF drafts at the next meeting.

TD SP-040858: 22 CRs to 33.234: (Rel-6). CR024r4 ~~CR005~~ was revised to CR020r5 in TD SP-040891. All other CRs were approved.

TD SP-040891: CR to 33.234: Impact of Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces (Rel-6). This CR was approved.

TD SP-040859: 19 CRs to 33.246: (Rel-6). These CRs were approved.

TD SP-040860: 2 CRs to 33.817: (Rel-6). These CRs were approved.

TD SP-040861: 1 CR to 33.919: Removal of unnecessary editor's notes (Rel-6). This CR was approved.

TD SP-040862: 2 CRs to 43.020 (Rel-6). These CRs were approved.

TSs and TRs:

TD SP-040866: Presentation of TR 33.878-100 to TSG SA for approval. SA WG3 considered there to be no open issues and requested approval of this TR, even though it was the first presentation to TSG SA (an outline draft was provided for information at TSG SA #25 along with the WID). There were some comments about the terminology of this TR, as it appeared to be a specification. Concerns were, however, expressed in approving this and it was suggested that other WGs should be able to consider this. The SA WG3 Chairman clarified that this had already been sent to the relevant WGs (i.e. CN WG1) and they were aware of the content. TIM reported that their concern with making this TR referenced from the specifications was that they wished to avoid that this interim solution become the main implemented solution and that interoperability issues could result. CN WG1 were asked to closely review the document and check that this will have an impact on the full-solution IMS. The TSG CN Chairman reported that CN WG1 requirements and concerns were expected to be documented in this TR, rather than as CRs to the main specification. It was agreed that the TR would be upgraded to a 33.9xx-series, but no CRs will be produced toward 3GPP specification, the complete work will be documented in the TR. The TR was noted for information. **Members, and in particular CN WG1, were asked to review the document and provide any comments to SA WG3.**

WIDs:

TD SP-040863: WID for Trust Requirements for Open Platforms in 3GPP - WID. This WI description was approved.

TD SP-040864: WID for UEA2&UIA2. It was clarified that the financing of this work had been agreed as 50% funded by GSMA and 50% Voluntary. This WI description was approved, **under the condition that the funding had been provided for the work**.

TD SP-040865: WID for Access Security Enhancements. This WI description was approved.

It was confirmed that all remaining Rel-5 specifications (not already at Rel-6) should be upgraded to Rel-6 as proposed by the specifications manager. It was also confirmed that the MILENAGE and A5/3 specifications

should also be upgraded. The specifications Manager was asked to provide the referencing specifications in earlier Releases for completeness for approval by TSG SA.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-040831: SA WG4 Status Report at TSG-SA#26. This was presented by the SA WG4 Chairman.

Questions and Comments:

Slide 33: It was clarified that SA WG4 still need to consider the requirements for Video decoders and the specifications were therefore not ready for this meeting, but are part of proposed new Rel-7 WI.

Slide 30: WID on "Performance Characterization of VoIP over HSDPA. The SA WG4 Chairman clarified that this WID was not agreed by SA WG4 and concerns on the impact on other WGs were expressed. However, as the WID has 4 supporting companies, Member companies may bring this to TSG SA for approval.

Slide 3: Video coder ad-hoc meeting. This was planned for 10-11 January 2005, but the dates are to be confirmed. It was noted that this clashes with a 3GPP2 meeting and may be moved to later in January. The mandate for this ad-hoc is to discuss the performance requirements for mandating a video Codec. The TSG SA Chairman asked whether this could be done by distributing the information and having an electronic meeting. It was also commented that there were concerns expressed by some SA WG4 Members that the results of this ad-hoc would be rather limited. **SA WG4 were asked to confirm the results of the ad-hoc meeting and not to give a "final decision" mandate to the meeting.**

Slide 22: Enhanced aacPlus and AMR-WB+ Codecs have performances complementing each other. The SA WG4 Chairman clarified that these Codecs cover the different applications (music, speech, etc.) in a complementary way and were chosen as the best set of Codecs to cover the applications by SA WG4.

Slide 22: Concerns were expressed over the support of multiple Codecs as if the receivers Codec is not known in advance, the source needs to be encoded in different ways which causes unnecessary expense to content providers. It was suggested that the Codecs are not Mandated by SA WG4 and market forces should decide which one(s) become the Codecs used. **It was decided that SA WG4 should not make any particular audio Codec "mandatory", however SA WG4 should recommend both audio Codecs under discussion (Enhanced aacPlus and AMR-WB+) and include a table of applications/use scenarios for each Codec, to help the operator/manufacturer decide which to use for their particular applications.** **TIM registered their objection to this solution.**

Slide 20: It was clarified Transcoding from one Codec to another would be needed to make 3GPP and 3GPP2 PoC interoperable, although there is an interoperable mode available in the WB AMR Codec which could be explored for interoperability with 3GPP2 PoC.

Slide 21: MBMS User Services. It was asked whether these aspects were in line with the teleservices definition for MBMS. The SA WG1 Chairman confirmed that he believed this to be the case.

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

7.4.2 Questions for advice from TSG SA WG4

TD SP-040721: LS reply (from SA WG4) about speech Codecs for PoC. This was introduced by the SA WG4 Chairman and was a response to OMA POC WG for their LS about speech Codecs for PoC, received in S4-040391. SA WG4 has studied the issue and provided OMA POC WG with more information about speech Codecs for PoC. The LS was noted.

7.4.3 Approval of contributions from TSG SA WG4

TSs and TRs:

TD SP-040832: 3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs" Version 1.5.0 (Release 6). 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-040833: 3GPP TS 26.177 version 1.0.0 "Speech Enabled Services; DSR Extended Advanced Front-end test sequences" (Release 6). This TS was provided for approval in order to finalise this as soon as possible and be a part of Rel-6. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040834: 3GPP TR 26.943 version 1.0.0 "Recognition performance evaluations of Codecs for Speech Enabled Services (SES)" (Release 6). This TR was provided for approval in order to finalise this as soon as possible and be a part of Rel-6. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040835: 3GPP TS 26.141 version 1.0.0 "IP Multimedia System (IMS) Messaging and Presence; Media formats and Codecs" (Release 6). This TS was provided for approval as it was considered complete by SA WG4. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

WIDs:

TD SP-040836: WID on Video Codec Performance Requirements (Release 7). This WI description was approved.

CRs:

TD SP-040837: CRs TS 26.243 and TS 26.235 on Speech Enabled Services (Release 6). These CRs were approved.

TD SP-040838: CRs TS 26.140 on MMS (Release 6). It was confirmed that this was in alignment with the OMA work. These CRs were approved.

TD SP-040839: CRs TS 26.234, TS 26.244 and TS 26.245 on PSS (Release 6). These CRs were approved.

TD SP-040840: CRs TS 26.401 and TS 26.410 on aacPlus Codec (Release 6). These CRs were approved. It was noted that SA WG4 were looking into the issue reported in Slide 41 of the Chairman's report and a Category "C" CR may be brought to TSG SA for approval at the next meeting.

TD SP-040841: CRs TS 26.290 and TS 26.304 on AMR-WB+ Codec (Release 6). These CRs were approved. Note: 26304 CR012 was actually 26290 CR004, which is corrected in the CR Database.

TD SP-040842: CRs TS 26.111 on 3G-324M Improvements (Release 6).These CRs were approved.

TD SP-040843: CRs TS 26.235 and TS 26.236 on Push to Talk over Cellular (PoC) Codecs (Release 6). It was clarified that no particular AMR/AMR-WB Codec mode has been defined, but an informative annex has been added to give guidance on the choice of Codec mode. These CRs were approved.

TD SP-040844: CRs TS 26.173 and TS 26.204 on AMR-WB Codec : Incorrect definition of vector nb_of_bits (Release 5 and Release 6). It was noted that the Category A CRs were not necessary as the Rel-6 specification does not exist yet and will be created automatically after this meeting. It was explained that the original proposal was only for Rel-6, but it had been agreed in SA WG4 to also include it in Rel-5. These CRs were approved.

TD SP-040845: CRs TS 26.103 and TS 28.062 on Tandem Free Operation / Transcoder Free Operation (Releases 4, 5 and 6). These CRs were approved.

TD SP-040846: CRs TS 28.062 on Operator guidelines for UMTS_AMR (Releases 4, 5 and 6). These CRs were approved.

TD SP-040847: CRs TS 26.103 on Clarifications on AMR (Releases 4, 5 and 6). These CRs were approved.

7.5   TSG SA WG5

7.5.1   Report from TSG SA WG5 and review of progress

TD SP-040762: Status report of SA5 to SA #26. This was presented by the SA WG5 Chairman.

Questions and Comments:

Slide 9: IEEE 802.16 NETMAN Working Group. It was asked whether this Liaison had been agreed with the PCG. **It was noted that this needs to be added to the Liaisons and MCC were asked to organise this**.

Slide 10: Charging work. It was questioned that at earlier TSG SA meetings it had been suggested to re-look at the structure of SA WG5 Charging work at the end of Rel-6, and it was asked if SA WG5 and TSG SA had any plans to do so. The SA WG5 Chairman responded that there had been no requests within SA WG5 to re-discuss the structure of charging and that SA WG5 work was at a critical point for completion of Rel-6 and any such discussions would likely disrupt this work and therefore was not a priority. The TSG SA Chairman responded that as there were no contributions on the topic it was deferred to a future meeting.

Slide 10: It was clarified that SA WG5 SWGB have planned an extra meeting 11 - 13 January 2005 in order to focus on PoC, MBMS and WLAN Charging matters in order to progress the work.

Slide 13: Removal of signalling based activation and Trace in IMS. It was reported that this had been removed from Rel-6 in TSG CN and alignment may be needed. The SA WG5 Chairman responded that SA WG5 were aware of this fact and would align and also reminded TSG SA that currently there was no Rapporteur for the Trace work in SA WG5 and Members were asked to consider providing one for this work.

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

7.5.2   Questions for advice from TSG SA WG5

TD SP-040920 LS response (from SA WG5) on work split for PoC charging between OMA, 3GPP2 and 3GPP. This was introduced by the SA WG5 Chairman and informed OMA that SA WG5 were happy with their proposal on PoC Charging. The LS was copied to TSG SA for information and was noted.

7.5.3   Approval of contributions from TSG SA WG5

TD SP-040763: Updated WID: Subscription Management (Feature: SuM) (Rel-6). This revised WI description was approved.

TD SP-040764: 3 Rel-6 CRs to 32.140/171. These CRs were approved.

TD SP-040830: Rel-6 TS 32.172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information Service. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040766: Updated WID: OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM) (Rel-6). This revised WI description was approved.

TD SP-040767: Updated WID: Principles, high level Requirements and Architecture (Building Block: OAM-AR). This revised WI description was approved.

TD SP-040768: 2 Rel-6 CRs to 32.101/2. It was commented that for 32.102 CR037, the changes to the references did not follow the normal working methods and should not be made. The SA WG5 Chairman responded that as this was the main changes in the CR it will be withdrawn. 32.101 CR026 was approved.

TD SP-040769: Updated WID: Trace Management (OAM-Trace). This revised WI description was approved.

TD SP-040770: 4 Rel-6 CRs to 32.421/2. These CRs were approved.

TD SP-040771: Rel-6 TS 32.423. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040772: Rel-6 TS 52.008 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040773: Updated WID: Charging Management (Feature: CH). This revised WI description was approved.

TD SP-040774: Rel-6 TS 32.296. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040775: 3 Rel-6 CRs to 32.251/299. These CRs were approved.

TD SP-040776: 7 Rel-5/6 CRs 32.225/299. These CRs were approved.

TD SP-040777: Rel-6 TS 32.260. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040778: Updated WID: Charging management for the service domain (CH-SC). This revised WI description was approved.

TD SP-040779: New WID: MBMS charging (MBMS-CH). This WI description was approved.

TD SP-040780: 3 Rel-6 CRs to 32.270 MMS Charging. These CRs were approved.

TD SP-040781: Rel-6 TS 32.271. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040782: Updated WID: Rel6 - Performance Management. This revised WI description was approved.

TD SP-040783: 5 Rel-4/5/6 CRr to 32.401/3. These CRs were approved.

TD SP-040784: 3 Rel-6 CRs to 32.412/3. These CRs were approved.

TD SP-040785: Rel-6 TS 32.414 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040786: Rel-6 TS 32.432. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040787: Rel-6 TS 32.435 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040788: Rel-6 TS 32.436. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040789: Updated WID: Network Infrastructure Management (Building Block: OAM-NIM). This revised WI description was approved.

TD SP-040790: 2 Rel-6 CRs to 32.150/32.111-2. These CRs were approved.

TD SP-040791: 9 Rel-5/6 CRs to 32.111-2/3/4. These CRs were approved.

TD SP-040792: Rel-6 TS 32.111-5. 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-040793: 4 Rel-6 CRs to 32.300/2/3. These CRs were approved.

TD SP-040794: 2 Rel-6 CRs to 32.311/2. These CRs were approved.

TD SP-040795: Rel-6 TS 32.313. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040796: Rel-6 TS 32.314. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040797: Rel-6 CRs to 32.323. These CRs were approved.

TD SP-040798: Rel-6 TS 32.332. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040799: Rel-6 TS 32.334. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040800: Rel-6 CRs to 32.343. These CRs were approved.

TD SP-040801: Rel-6 TS 32.344 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040802: Rel-6 CR to 32.353. This CR was approved.

TD SP-040803: Rel-6 TS 32.354. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040877: Rel-6 CR002R1 to 32.363 Entry Point (EP) IRP CORBA SS. It was noted that the PDF and Word versions differed on the CR and Revision numbers. The PDF contained the correct information. This CR (32.363 CR002R1) was approved.

TD SP-040805: Rel-6 CR to 32.371. This CR was approved.

TD SP-040806: 2 Rel-6 CRs to 32.601/3. These CRs were approved.

TD SP-040807: 6 Rel-6 CRs to 32.612/3/5. These CRs were approved.

TD SP-040808: 7 Rel-5/6 CRs to 32.622/4/5. These CRs were approved.

TD SP-040809: 5 Rel-6 CRs to 32.632/3/5. These CRs were approved.

TD SP-040810: 6 Rel-6 CRs to 32.642/3/4/5. It was reported that CR027 in TD SP-040587, which had been approved at TSG SA meeting #25 could not be implemented and CR028 was provided in this set in order to make the requested changes again. **TSG SA noted this and asked that more care is taken by WGs that the CRs they approve can be implemented in a consistent way**. These CRs were approved.

TD SP-040811: Rel-6 CR to 32.655. This CR was approved.

TD SP-040812: 2 Rel-6 CRs to 32.661/3. These CRs were approved.

TD SP-040813: 2 Rel-5/6 CRs to 32.674. These CRs were approved.

TD SP-040814: Rel-6 TS 32.675 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040815: Rel-6 TS 32.690. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040816: Rel-6 CR to 32.692. These CRs were approved.

TD SP-040817: Rel-6 TS to 32.695 . ~~These CRs were approved.~~This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040818: Rel-6 TS 32.714. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040819: Rel-6 TS 32.744 . This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040820: Rel-6 TS 32.745. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040821: Rel-6 TR 32.805. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

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
SP-040929	Reply to TISPAN on Workshop on "IMS over Fixed Access"	**ETSI TISPAN**	**ATIS, TSG CN, SA WG1, SA WG2, SA WG3, CN WG1, CN WG3, CN WG4**

7.8   Other issues

There were no specific contributions under this agenda item.

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

8.1   TSG CN

8.1.1   Report and questions for discussion from TSG CN

TD SP-040885: CN#26 Draft Meeting report. This was provided by the TSG CN Secretary for information and was noted.

TD SP-040884 TSG CN Chairman's report to TSG SA #26. The report from TSG CN activities and Status was presented by the TSG CN Chairman.

Questions and comments:

Slide 5. It was clarified that the Pk interface for Presence is intended to be removed if the work is not finished by March 2005.

Slide 9: CN/CT 2005 schedule. It was reported that the first TSG CT meeting (meeting #27) will be held on Friday March 11 2005 to discuss structure and scopes of the CT WGs. This was omitted from the presentation by accident.

Slide 5: It was clarified that the idea to send a request to "3gpp.network.org" and get a failure was not acceptable to GSM IREG and further discussions were needed to come to a suitable solution.

Slide 9: It was suggested that the CT meetings should be separated from the CN meetings to clarify that this is a different TSG. "CTN#29" should read "CT#29".

Slide 9: It was clarified that the venue for CT#29 is confirmed as Quebec, Canada.

The TSG CN Chairman was thanked for his presentation which was then noted.

TD SP-040886: 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.

- 	Not as much progress as expected in IETF since TSG#25
- 	36 of 84 ((43%) Rel-6 Dependencies stable (either on RFC ed queue or RFC published)

- 9 RFCs issued since TSG#25
- 6 drafts approved by IESG since TSG#25
- IETF work stalled in presence and conferencing areas
- Total release 6 IETF dependencies increased from 78 to 84
- Have requested accelerated publication of diameter credit control draft

It was reported that the diameter credit ~~card~~ control should be out of editing by the end of 2004. The TSG CN Chairman was thanked for this comprehensive report which was then noted.

TD SP-040888: LS on Co-ordination of SDO input to ITU-T Q.1741.4. This was introduced by the TSG CN Chairman and asks all SDOs to forward to ITU-T the proposed Baseline for input into draft ITU-T Q.1741.4 and the information to be provided by each SDO. This LS was noted.

TD SP-040713: LS from CN WG5: OSA Stage 2 - A cross-releases Overview. This was introduced by the CN WG5 Chairman and asked SA WG2 to withdraw TS 23.127 from Rel-6 onwards as it is no longer needed for OSA Stage 2 description (a new TS 23.198 was submitted to TSG CN#26 for approval) and hence it no longer serves any purpose. The SA WG2 Chairman reported that SA WG2 intended to propose the removal of 23.127 at the next TSG SA meeting. The LS was then noted.

TD SP-040716: LS (from CN WG1) on Support of eCall on UUS type 1 Supplementary Service. This was introduced by Motorola and informed ETSI OCG EMTEL that CN WG1 had discussed the proposal that the Supplementary Service UUS type 1 may be sufficient to transport the required information. CN WG1 will be pleased to work with ETSI OCG EMTEL on introducing the necessary changes to the 3GPP specifications. It was noted that it may be useful to copy this to SA WG3 to consider any fraud issues and the LS was noted.

TD SP-040717: Reply LS (from CN WG1) on Definition of RAT. This was introduced by the TSG CN Chairman. CN WG1 informed SA WG1 and other WGs that CN WG1 uses its own definition of 'Access technology' specified by TS 23.122. CN WG1 asked SA WG1 to consider whether it is seen feasible to add the term 'Access Technology' into TR 21.905, as currently specified by TS 23.122. This LS was noted.

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

There were no specific contributions under this agenda item. The status of the various releases are included in the TSG CN Chairman's Report under agenda item 8.1.1.

8.1.3   Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of the work within TSG CN was given in the report from the Chairman under agenda item 8.31.1.

8.2   Report from TSG RAN

8.2.1   Report and questions for discussion from TSG RAN

TD SP-040911 Draft Report of TSG RAN meeting #26. This was provided by the TSG RAN Secretary for information and was noted.

TD SP-040910 TSG RAN Chairman's report to TSG SA #26. The report from TSG RAN activities and Status was presented by the TSG RAN Chairman.

Questions and comments:

Slide 11: It was corrected that the Study Item on Evolved UTRA and UTRAN completion date should read was June 2006, not June 2005.

Slide 10: The TSG RAN Chairman confirmed that it was to late to cater for a joint meeting with CN WG4 in February 2005.

Slide 6: Network initiated SCUDIF. The TSG CN Chairman reported that another meeting cycle to consider alternatives was needed.

Slide 9: Optimisation of channelisation code utilisation for 1.28 Mcps TDD. It was explained that FDD was expected for completion in June 2005.

The TSG RAN Chairman was thanked for his presentation which was then noted.

TD SP-040893 Reply LS on guidance and error patterns for MBMS streaming simulations. This was provided for information and covered in the report from the TSG RAN Chairman. The LS was noted.

TD SP-040908 Proposed initial submission for 'complete' update of UTRA FDD and TDD in Rev6 of Rec ITU-R M.1457. The TSG RAN Chairman introduced this proposal, which was noted.

TD SP-040909 Updated information on the Roadmap for revision 6 of ITU-R M.1457. The TSG RAN Chairman introduced this document, which was noted.

TD SP-040914 Summary of Requirements identified during 3GPP RAN long term evolution workshop. This was presented by the TSG RAN Chairman. It was clarified that this report had been reviewed and endorsed by TSG RAN as a basis for the long-term evolution study item. The report was noted.

TD SP-040916 Proposed 3GPP TSG RAN process for Evolved UTRA & UTRAN. This was introduced by the TSG RAN Chairman.

Objectives with a 3GPP Study Item:

- Study Item between RAN #26 to RAN#32
- Experts from all RAN WGs shall be involved in the Study Item
- The establishment of the Study Item shall not damage the current work in RAN WGs,
- 3GPP is NOT doing any new or different from the normal evolution work
- Organize the work to minimize additional travelling for WG experts
- Work items can be created before the completion of the study item if results show that it is possible

The TSG RAN Chairman was thanked for the report which was then noted.

TD SP-040718: LS (from RAN WG3) on the TSG RAN WG 3 Review of TR 32.804 v6.0.0. This was introduced by the TSG RAN RAN Chairman and was copied to TSG SA for information. The LS was noted.

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

TD SP-040915 Approved Study Item on Evolved UTRA and UTRAN. This was provided for information and was noted.

8.2.3   Information on status and changes to deliverables

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

8.3   Report from TSG T

8.3.1   Report and questions for discussion from TSG T

TD SP-040902 TSG T#26 draft meeting report. This was provided by the TSG T Secretary for information and was noted.

TD SP-040901 TSG T progress report. The report from TSG T activities and Status was presented by the TSG T Chairman.

Questions and comments:

Slide 11: It was clarified that the MMS Release 6 ~~testing~~ work is considered closed.

T WG1 work: The testing for Rel-6 timescale was asked. This would depend on when the RAN requirements are complete in order for the testing to start. It is hoped that having a Testing WG in TSG RAN may help to speed up this process, but the requirements are needed before effective testing specifications can be written.

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

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

TD SP-040722: Reply (from T WG3) to LS on definition of RAT. this was provided to TSG SA for information and was noted.

8.3.3   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 8.3.1.

8.4   Report from TSG GERAN

8.4.1   Report and questions for discussion from TSG GERAN

TD SP-040892: TSG GERAN Report to TSG#26. The report from TSG GERAN activities and Status was presented by the TSG GERAN Chairman.

Questions and comments:

Slide 9: TS 43.129 Packet Switched Handover for GERAN A/Gb mode. The RAN Chairman reported that there may be some impacts of this TR and this would be checked by TSG RAN WGs. This was noted.

Slide 9: It was clarified that other work may be needed in WGs, as already mentioned by the RAN Chairman. Feedback from the impacted groups was needed before it can be determined whether this can be completed for Rel-6.

Slide 17: On board plane cellular systems. The allocation of the GSM band may be restricted to non-air use and this should be checked in GERAN to ensure it is within Regulations. The GERAN Chairman reported that there was a request to the European Commission on this and the GERAN work was concerning shielding, rather than transmission at the moment.

Slide 14: ~~On board plane cellular systems~~GAN. SA WGs were asked to study this to determine whether a Workshop is needed. It was reported that feedback had been received from SA WG2 and SA WG3 which was positive and no co-existence problems were identified. Therefore it did not seem necessary to have any special co-ordination on this work item.

Slide 14: The feasibility study TR 43.901 has been approved. The stage 2 is considered stable and other groups are being given time to check it before approving it and working on the Stage 3.

The TSG GERAN Chairman thanked himself for his presentation which was then noted.

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

There were no specific contributions under this agenda item. The status of the various releases are included in the TSG GERAN Chairman's Report under agenda item 8.4.1.

8.4.3   Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of the work within TSG GERAN was given in the report from the Chairman under agenda item 8.4.1.

8.5   Letters to other groups

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

~~TSG SA Document~~	~~Title~~	~~To~~	~~CC~~

There were no specific contributions under this agenda item.

8.6   3GPP Work plan

TD SP-040899: Release 4 Features Description document. This was introduced by A. Sultan, MCC and included a description of the Rel-4 Features, as developed by MCC (and some other experts for the *Low Chip Rate TDD option*). MCC were thanked for this work, which was considered very valuable to Members. MCC were asked to add this with the other Feature descriptions to the 3GPP web site.

TD SP-040898: Work Plan at TSG SA #26. This was introduced by A. Sultan, MCC and showed the status of the Work Plan at this meeting. This will be updated after the meeting to include updates agreed at the TSG meetings. The Work Plan was noted.

TD SP-040897: Work Plan Presentation from MCC to TSG SA#26. This was presented by A. Sultan, MCC and presented the MCC-developed status of the active Work Items on the work plan.

Slide 20: IMS Conferencing. It was reported that the IETF Dependencies are still critical. TSG CN agreed that they would wait and review the status of the Drafts at the next TSG CN meeting and remove them if not ready.

Questions and Comments:

Slide 21: IMS Messaging: It was confirmed that Deferred Messaging Type on IMS Messaging is not part of Rel-6.

Slide 21: IMS Management Activities. It was noted that SA WG1 should be kept informed of work on this.

Slide 28: Splitting of Priority Service. The Multimedia aspects will not be part of Rel-6 so splitting this out to Rel-7 should be done.

Slide 35: FS on (U)SIM Security Reuse by Peripheral Device on Local Interface. It should be clarified whether this is a Feature or only a FS. The SA WG3 Chairman reported that this FS was agreed on the condition that it would not delay the WLAN Interworking Security and a CR has been presented on changes inspired by this FS as it did not delay the work. This was confirmed to be a FS.

Slide 45: 3GPP Enablers for services like Push to Talk over Cellular (PoC). It was proposed to be re-introduced in Release 6 as 3GPP aspects are now completed (except charging and testing). This was agreed.

Slide 56: Presence. Pk interface No input received so far, supporting companies asked again to contribute if it to be kept in Rel-6.

~~TS 29.199-14 on "OSA; Parlay X web services; Presence":~~ Alignment to be checked with latest set of SA2's interface (Pr and Pp). SA WG2 should align with Stage 3 and consider removing any interfaces not fully defined in Stage 3 from Rel-6.

Slide 61: CN Trace WID. SA WG5 confirmed that they would produce a Rel-7 WID. CN WG4 have many issues to be clarified by SA WG5 before they can continue work on the Rel-6 work. This could cause further updates of the SA WG5 work.

Slide 66: IMS Local services: moved to Rel_7.Supporting companies have to create a new separate WID to include this functionality in Rel-7. The SA WG2 Chairman reported that the work was done but removed from Rel-6 as the corresponding Stage 3 work was not done. CN WGs need to generate a WID. If there is interest in CN then SA WG2 will be asked to re-introduce their work into Rel-7.

Slide 72: 3GPP Access Class Barring and Overload Protection (ACBOP). It is hoped that this can be completed by March 2005 for inclusion in Rel-6. The status of this for inclusion in Rel-6 will be reviewed in March 2005. It was confirmed that GERAN networks were included in the scope of the Feasibility Study.

Slide 71: Enhancement of E2E QoS. It was reported that Progress of this is now greater than 25% complete. The SA WG2 Chairman reported that the completion was around 50%.

Slide 73: It was clarified that the work is stalled at the moment due to the lack of access to Galileo specifications.

Slide 67: CS Video and Voice Service Improvements. TR 23.903 should be moved to Rel-6 as there is no expected Stage 3 impact. This also needs to be added to the GERAN slides (post Rel-6).

Slide 26: WLAN/UMTS interworking. It was commented that tunnel redirection had been completed in SA. It was clarified that the changes need to be done in CN.

Slide 27: new WID on support of SMS and MMS over IP networks (including WLAN). The overlap issue should be handled in the WLAN Interworking discussions.

Slide 42: Network Sharing. The CN work is 100% complete. It was clarified that the use of the terminology is being clarified, not that the PLMN Selection work is unsolved. This was moved to a slide on TEI instead of Network Sharing, as it was considered misleading there.

It was clarified that slides up to Slide 63 are intended to be a part of Rel-6, the 11 postponed Features will be re-assessed in March 2005 for whether or not they will remain in Rel-6.

The Slides were updated with the agreements and comments made in TD SP-040927 which was briefly reviewed. For Slide 71, it was commented that there are other Network-initiated solutions under discussion for CS Video and Voice service for Rel-6 and this should be included somewhere in the slides. It was clarified that this information was included in Slide 55. noted.

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

TD SP-040826: status list before TSG meetings #26. This was introduced by J. Meredith, MCC, and was provided for information and was noted.

TD SP-040827: status list after TSG meetings #26. This will be provided after the meeting for information, containing the updates resulting from agreements at the meeting. Delegates were invited to study this.

TD SP-040917: Specs lists per Release; a comparison. This was introduced by J. Meredith, MCC and was provided for information. The attached Excel file can be filtered on WG to provide details of only those WGs selected. The document was noted.

TD SP-040880: Proposed CRs to lists of specs. It was noted that the CR023 to TS 01.01 was the wrong version of the CR and it was revised in TD SP-040931 and was approved. All other CRs were approved.

8.8   Review of Release 6 status, content and completion

TD SP-040894: Proposed content of Rel-6. This was provided by NTT DoCoMo and it was verified that the issues raised in the Rel-6 part had been covered by the discussions on TD SP-040897 under agenda item 8.6. The proposal for Rel-6, proposal (1) contained in this contribution was accepted.

For the post Rel-6 part:

(2)   In order to complete 3GPP releases in a timely manner from Rel-7 onwards, it is recommended that an official process for determination of the content of a particular 3GPP release be defined. Possible methods for achieving this include:
   a)   Updating the 3GPP Working Procedures. A proposal for such a process should be produced by TSG SA and proposed to the PCG.
   b)   Updating TR 21.900 "Technical Specification Group working methods" to document this process.

It was agreed that proposals for closing dates of requirements, and process for determining the close dates for the next Release were welcomed at the next meeting, and WGs should also consider reasonable time periods for the development of the new features.

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

TD SP-040870: Proposed method for progressing work on 3GPP system evolution. This had been introduced by NTT DoCoMo Inc. under agenda item 4. It was concluded by a future evolution drafting group that the evolution would continue in TSG RAN with the method they had agreed there and work would continue in line with agreements made by TSG SA for the SA work.

TD SP-040922: Proposed Feasibility Study on 3GPP System Architecture Evolution. This had been introduced by Vodafone under agenda item 4 as TD SP-040883 and was revised for this further discussion in the future evolution drafting group. The work item proposal was reviewed. It was requested to correct "DoCoMo" to "NTT DoCoMo" and to add Samsung, T-Mobile, 3 and China ZTE to the list of supporting companies. "Don't know" will be indicated for the UICC impacts. The WID was revised to make these changes and remove the revision marks in TD SP-040928 which was approved.

TD SP-040919 Working procedure for 3G evolution. This was introduced by TIM and proposed a solution in order to improve the current working method:

-       avoid adoption of technical solutions that are not justified by service requirements
-       avoid unnecessary options and complexity
-       enforce a top-down standardization process
-       technology solutions justified by proper service requirements
-       provide a proper guidance to 3GPP WGs

TIM proposed the following procedure for 3G evolution:

-       Study phase
   -       Keep current 3GPP structure to proceed RAN and SA feasibility studies on 3G evolution

-       Specification phase
   -       Create an "Ad-hoc group on 3G Evolution" to steer overall 3GPP specification work on 3G evolution -> 3GE Ad-Hoc
   -       Create an "Ad-hoc group on 3G Evolution" for each TSG (and possibly each TSG WGs)

It was generally agreed that there is a need for strong co-ordination between the groups on this work. It may be necessary to create a Work Item in the short-to medium term future to separate out the Work in RAN and SA WGs. An explicit agenda item will be created in the TSG SA agenda to report on and discuss activities in the various WGs. It is also necessary to constantly review the suitability of the work to be done within 3GPP.

It was not considered appropriate to create an ad-hoc group on this at present, but this can be reviewed when the work has progressed and Reports from the WGs have been received by TSG SA.

TD SP-040879: Discussion for I-WLAN WIDs. This was provided by Samsung and was covered by other discussions. The contribution was noted.

TD S3-040923 I-WLAN WIDs for scenario 3 enhancement in Release 7. This was introduced by Samsung on behalf of Samsung, NEC, Fujitsu and T-mobile and proposed the approval of a WID on "WLAN Interworking - Enhancements to support 3GPP PS Services over 3GPP/WLAN Interworking", in order to allow SA WG2 to start relevant works immediately. It was asked whether more work would be needed in SA WG1 related to this. It was confirmed that the SA WG1 work is already done. It was suggested that this is contributed to SA WG2 in order to have agreement in the group before approving the WID. Nokia reported that there will be a potential problem as WLAN specifications do not make provisions for QoS and work would be needed on the WLAN specifications for this. Samsung responded that there 802.11e provided QoS. Nokia reported that this was incompatible with 3GPP QoS requirements and would not be suitable as it stands.

T-Mobile agreed that they would contribute to the next SA WG2 meeting if the WID is approved by TSG SA. There were companies who believed there were a number of open items who could provide contribution to SA WG2 describing these problems. **SA WG2 were asked to take these contributions into account at their meeting and focussing on specific areas which need to be covered. When the work which needs to be done is clarified, SA WG2 can provide an updated WID for approval to the next TSG SA meeting**.

TD SP-040930: Progression of work on WLAN Interworking Scenario 4 & 5. This was discussed under agenda item 4 in TD SP-040871 which was revised in this document for further discussion. This was introduced by NTT DoCoMo Inc on behalf of NTT DoCoMo and T-Mobile and proposed:

- that the conclusion of the discussion of CR 010 to TS 22.234 in TD SP-040737 provided for approval at TSG SA#26:

  1. The CR 010 to TS 22.234 in TD SP-040737 is to be approved at TSG SA#26.
     And,
  2. The following text is included within the minutes of TSG SA#26:

     TSG SA notes that the AIPN work has identified the need for a general solution for session continuity between heterogeneous networks. However, TSG SA also notes that there is demand for the availability of session continuity between I-WLAN and 3GPP systems. TSG SA asks SA WG1 to ensure that a coordinated approach is taken for this work. In addition, SA WG1 is asked to consider requirements to ensure that a smooth evolution of the 3GPP system considering the Work Item on '3GPP System Architecture Evolution' for SA WG2 approved in TD SP-040928 (e.g. by taking into account the impact of the terminals). In order to achieve this specification work based on the AIPN Feasibility Study should be considered.

These proposals were discussed and it was clarified that there is no intention to indicate any dependencies between I-WLAN and 3GPP systems. It was agreed that:

TSG SA noted that the All-IP Network work is likely to need session continuity in general as well as between I-WLAN and 3GPP systems. TSG SA asked SA WG1 to take a co-ordinated approach on work on session continuity. SA WG1 were asked to consider additional requirements to allow for a smooth evolution of the 3GPP System and to take note of the work in SA WG2 on the Work Item "Feasibility Study on 3GPP System Architecture Evolution". The work should take into account the specification work resulting from the AIPN Feasibility Study.

8.10   Other issues

There were no specific contributions under this agenda item.

9   Project Management

TD SP-040873: "Ease of reach" of meeting locations. This was introduced by Siemens and proposed that TSG SA endorse the following recommendations for meeting venues and forward this to the WGs:

- Meeting places should be in "ease of reach" for the three regions of the 3GPP, Europe, East Asia, North America
- Places as South America, Australia, South Africa are clearly not in "ease of reach"

By preference, exceptional meetings not in "ease of reach" to show market presence or to satisfy other relationship aspects should be covered by PCG/OP Meetings.

After some discussion, it was **strongly recommended** that before accepting an invitation for a meeting which is not within easy reach, the delegates should be asked whether there is a problem for attendance. The current rules for meeting venues were considered adequate to avoid most of the problems outlined by the contribution. In addition to consideration of the geographic distribution of Members, also take into account that meeting location is reasonably easy to reach for the delegates.

TD SP-040824: CRs to 21.900. These CRs were approved.

10   Project support

TD SP-040828: MCC status report. This was presented by J. Meredith, MCC and outlined the changes in MCC since the last TSG SA meeting and the expected changes before the next TSG SA meeting.

Friedhelm Rodermund will leave MCC at the end of December and was thanked for his great contribution to MCC and the 3GPP Project.

David Boswarthick will be transferred to the TISPAN Project and will no longer cover the SA WG2 and TSG CN after March 2005. Karen Hughes, MCC assistant who has supported many TSG meetings will be moving to another ETSI department. Replacements are to be sought for these departures.

As a consequence, re-organisation of the Support team can be expected and final details will largely depend on the skills of the replacements.

The TSG CN Chairman thanked MCC experts for their hard work and contribution to the running of the Project and a round of applause was given for the hard work of those who are leaving. He also requested that the MCC leadership work closely with the Chairmen in order to make the transition in March 2005 as smooth as possible.

The TSG SA Chairman expressed surprise at the number of Release 1999 CRs and clarified that this was misleading because the Testing work for Release 1999 was largely responsible for this statistic. MCC was asked to separate this from the main statistics to give a more realistic view of the stability of the Releases.

J. Meredith was thanked for his presentation, 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 original agenda items for clarity.

12   Work plan and future meetings

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
3GPPRAN#27	AF3	9-11 March 2005	Tokyo	Japan
3GPPT#27	AF3	9-11 March 2005	Tokyo	Japan
3GPPCN#27	AF3	9-11 March 2005	Tokyo	Japan
3GPPSA#27	AF3	14-17 March 2005	Tokyo	Japan
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~~1~~ - 29~~3~~ 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

TD SP-040932 Release 6 Submission form. **WGs were asked to use this form for submission of items for Rel-6 at the next TSG meetings**.

14   Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and co-operation during the meeting, the Meetings Hosts, European Friends of 3GPP and the Support staff for the excellent facilities provided for the TSG meetings. He then closed the meeting.

Annex A:　　Co-ordinates of TSG and WG Officials

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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:						
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.yrp.nttdocomo.co.jp	+81 468 40 6062		+81 90 3337 9642
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG3 Officials:						
Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Jean-Francois Rubon	Gemplus Card International	jean-francois.rubon@gemplus.com	+33 4 42 36 66 39	+33 4 42 36 41 00	+33 6 88 38 76 65
Vice Chairman	Paul Jolivet	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Michael Färber	Siemens	michael.faerber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG1 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:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
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

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040708	Draft agenda for TSG SA meeting #26	TSG SA Chairman	2	Approval		Approved
SP-040709	Draft report of TSG SA meeting #25	TSG SA Secretary	3	Approval		Approved
SP-040710	LS (from SA WG2) on proposed work split 3GPP/3GPP2/OMA on Presence	SA WG2	7.2.2	Information		Noted
SP-040711	LS from OMA-~~REL~~TP: Availability of OMA Work Programme Information	OMA-~~REL~~TP	6.3	Information		Noted
SP-040712	Reply LS (from SA WG2) on Generic Access Network (GAN)	SA WG2	7.2.2	Information		Noted
SP-040713	LS from CN WG5: OSA Stage 2 - A cross-releases Overview	CN WG5	8.1.1	Information		Noted
SP-040714	LS from ATIS: Submission of a high-level architecture and definition for Next Generation Network (NGN) from the perspective of the industry as represented by ATIS, entitled: "ATIS Next Generation Network (NGN) Framework, Part I: NGN Definitions, Requirement and Architecture, Issue 1.0, November 2004."	ATIS	6.2	Information		SA1 and SA2 asked to input to their next meetings and provide comments
SP-040715	LS from OMA: Status of OMA BAC: Mobile Broadcast Services	OMA BAC	6.3	Action		Noted. SA1 asked to consider the LS
SP-040716	LS (from CN WG1) on Support of eCall on UUS type 1 Supplementary Service	CN WG1	8.1.1	Information		Noted
SP-040717	Reply LS (from CN WG1) on Definition of RAT	CN WG1	8.1.1	Information		Noted
SP-040718	LS (from RAN WG3) on the TSG RAN WG 3 Review of TR 32.804 v6.0.0	RAN WG3	8.2.1	Information		Noted
SP-040719	Liaison statement (from EP RT) to 3GPP SA, SA WG1 for SMS into a group call	EP RT	6.2	Action		Asks to reject CR in SP-040738.
SP-040720	LS (from SA WG2) on evolution of network architecture	SA WG2	7.2.2	Action		Noted. To be taken into account in RAN Evolution WorkShop discussion
SP-040721	LS reply (from SA WG4) about speech Codecs for PoC	SA WG4	7.4.2	Information		Noted
SP-040722	Reply (from T WG3) to LS on definition of RAT	T WG3	8.3.1	Information		Noted
SP-040723	Presentation of SA1 to SA #26	SA WG1 Chairman	7.1.1	Information		Noted
SP-040724	Status Report of SA1 to SA #26	SA WG1 Chairman	7.1.1	Information		Noted
SP-040725	CRs to 22.101 on USIM support by 2G terminals of Rel-99 and Rel-4 (R99, Rel-4)	SA WG1	7.1.3	Approval		Rejected. Not essential for Rel-99 and Rel-4
SP-040726	CR to 21.905 on definition of RAT (Rel-6)	SA WG1	7.1.3	Approval		Rejected. Related LSs noted
SP-040727	CRs to 22.127 to delete requirements from Rel-6	SA WG1	7.1.3	Approval		Approved
SP-040728	CR to 22.141 on "Anonymous subscriptions to Presence lists" (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040729	CR to 22.228 on IMS CS Interworking (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040730	CR to 22.240 on Removal of erroneous use cases (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040731	CR to 22.242 regarding reference to OMA DRM (Rel-6)	SA WG1	7.1.3	Approval	SP-040906	Revised in SP-040906
SP-040732	CR to 22.950 on Priority Service support for Emergency Service (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040733	CR to 22.952 on Priority Service support for Emergency Service (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040734	CR 22.038 on Extension of the USAT bearers (Rel-7)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040735	CRs to 22.071 on Velocity Service Description and Introducing A-GNSS concept to extend A-GPS to include GALILEO (Rel-6)	SA WG1	7.1.3	Approval	CR072 in SP-040907	CR071 postponed until specs available. CR072 revised in SP-040907
SP-040736	CR to 22.078 on regarding interworking between CAMEL and SCUDIF (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040737	CR to 22.234 on New features of I-WLAN for Rel-7	SA WG1	7.1.3	Approval		Related contribution in SP-040871. Approved
SP-040738	CRs to 42.068 on Sending a SMS to a Group and a Voice Group Call (Rel-7)	SA WG1	7.1.3	Approval		Related LS in SP-040719. CR007 postponed for further collaboration with EP RT. CR006 Approved.
SP-040739	TR 22.978 (v1.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)	SA WG1	7.1.3	Information		Noted. WGs asked to review
SP-040740	TR 22.979 (v1.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)	SA WG1	7.1.3	Information		Noted. WGs asked to review
SP-040741	Update to GUP WI	SA WG1	7.1.3	Approval		Approved
SP-040742	New of WI for Combinational Services	SA WG1	7.1.3	Approval		Proposal to combine with S2 WI in SP-040881. This WID rejected in favour of SP-040881
SP-040743	New WI on CAMEL Trunk Triggers	SA WG1	7.1.3	Approval		Approved
SP-040744	Proposal for update of TSs from Rel-5 to Rel-6	SA WG1	7.1.3	Approval		Approved
SP-040745	SA2 Status Report	SA WG2 Chairman	7.2.1	Information	SP-040905	Revised in SP-040905
SP-040746	Updated WID on PS domain and IM CN subsystem support for IMS Emergency sessions	SA WG2	7.2.3	Approval		Approved
SP-040747	WID for Combining CS and IMS services & Capability Detection mechanism" Building Block	SA WG2	7.2.3	Approval		Proposal to combine with S1 WI in SP-040881. This WID rejected in favour of SP-040881
SP-040748	TR 23.899, Version 1.0.0	SA WG2	7.2.3	Information		Noted. Members asked to provide comments to SA2
SP-040749	TS 23.979, Version 2.0.0	SA WG2	7.2.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040750	CRs to 23.002	SA WG2	7.2.3	Approval		Approved
SP-040751	CRs to 23.060	SA WG2	7.2.3	Approval		Approved
SP-040752	CRs to 23.107	SA WG2	7.2.3	Approval	SP-040895	Revised in SP-040895
SP-040753	CRs to 23.125	SA WG2	7.2.3	Approval		Approved
SP-040754	CRs to 23.228	SA WG2	7.2.3	Approval	SP-040896	Revised in SP-040896
SP-040755	CRs to 23.234	SA WG2	7.2.3	Approval		Approved
SP-040756	CRs to 23.236	SA WG2	7.2.3	Approval	SP-040900	Revised in SP-040900
SP-040757	CRs to 23.240	SA WG2	7.2.3	Approval		Approved
SP-040758	CRs to 23.246	SA WG2	7.2.3	Approval	SP-040904	Revised in SP-040904
SP-040759	CRs to 23.251	SA WG2	7.2.3	Approval		Approved
SP-040760	CRs to 23.271	SA WG2	7.2.3	Approval		Approved
SP-040761	CRs to 23.981	SA WG2	7.2.3	Approval		Approved
SP-040762	Status report of SA5 to SA #26	SA WG5 Chair	7.5.1	Information		Noted
SP-040763	Updated WID: Subscription Management (Feature: SuM) (Rel-6)	SA WG5	7.5.3	Approval		Approved
SP-040764	3 Rel-6 CR 32.140/171	SA WG5	7.5.3	Approval		Approved
SP-040765	Rel-6 TS 32.172	SA WG5	7.5.3	Approval	SP-040830	WITHDRAWN - revised in SP-040830
SP-040766	Updated WID: OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM) (Rel-6)	SA WG5	7.5.3	Approval		Approved
SP-040767	Updated WID: Principles, high level Requirements and Architecture (Building Block: OAM-AR)	SA WG5	7.5.3	Approval		Approved
SP-040768	2 Rel-6 CR 32.101/2	SA WG5	7.5.3	Approval		32102CR037 withdrawn. 32101CR026 approved.

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040769	Updated WID: Trace Management (OAM-Trace)	SA WG5	7.5.3	Approval		Approved
SP-040770	4 Rel-6 CR 32.421/2	SA WG5	7.5.3	Approval		Approved
SP-040771	Rel-6 TS 32.423	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040772	Rel-6 TS 52.008	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040773	Updated WID: Charging Management (Feature: CH)	SA WG5	7.5.3	Approval		Approved
SP-040774	Rel-6 TS 32.296	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040775	3 Rel-6 CR 32.251/299	SA WG5	7.5.3	Approval		Approved
SP-040776	7 Rel-5/6 CR 32.225/299	SA WG5	7.5.3	Approval		Approved
SP-040777	Rel-6 TS 32.260	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040778	Updated WID: Charging management for the service domain (CH-SC)	SA WG5	7.5.3	Approval		Approved
SP-040779	New WID: MBMS charging (MBMS-CH)	SA WG5	7.5.3	Approval		Approved
SP-040780	3 Rel-6 CR 32.270 MMS Charging	SA WG5	7.5.3	Approval		Approved
SP-040781	Rel-6 TS 32.271	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040782	Updated WID: Rel6 - Performance Management	SA WG5	7.5.3	Approval		Approved
SP-040783	5 Rel-4/5/6 CR 32.401/3	SA WG5	7.5.3	Approval		Approved
SP-040784	3 Rel-6 CR 32.412/3	SA WG5	7.5.3	Approval		Approved
SP-040785	Rel-6 TS 32.414	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040786	Rel-6 TS 32.432	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040787	Rel-6 TS 32.435	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040788	Rel-6 TS 32.436	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040789	Updated WID: Network Infrastructure Management (Building Block: OAM-NIM)	SA WG5	7.5.3	Approval		Approved
SP-040790	2 Rel-6 CR 32.150/32.111-2	SA WG5	7.5.3	Approval		Approved
SP-040791	9 Rel-5/6 CR 32.111-2/3/4	SA WG5	7.5.3	Approval		Approved
SP-040792	Rel-6 TS 32.111-5	SA WG5	7.5.3	Information		Noted. Members asked to provide comments to SA5
SP-040793	4 Rel-6 CR 32.300/2/3	SA WG5	7.5.3	Approval		Approved
SP-040794	2 Rel-6 CR 32.311/2	SA WG5	7.5.3	Approval		Approved
SP-040795	Rel-6 TS 32.313	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040796	Rel-6 TS 32.314	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040797	Rel-6 CR 32.323	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040798	Rel-6 TS 32.332	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040799	Rel-6 TS 32.334	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040800	Rel-6 CR 32.343	SA WG5	7.5.3	Approval		Approved
SP-040801	Rel-6 TS 32.344	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040802	Rel-6 CR 32.353	SA WG5	7.5.3	Approval		Approved
SP-040803	Rel-6 TS 32.354	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change Control (Rel-6)
SP-040804	Rel-6 CR002 32.363 Entry Point (EP) IRP CORBA SS	SA WG5	7.5.3	Approval	SP-040877	Revised in SP-040877
SP-040805	Rel-6 CR 32.371	SA WG5	7.5.3	Approval		Approved
SP-040806	2 Rel-6 CR 32.601/3	SA WG5	7.5.3	Approval		Approved
SP-040807	6 Rel-6 CR 32.612/3/5	SA WG5	7.5.3	Approval		Approved
SP-040808	7 Rel-5/6 CR 32.622/4/5	SA WG5	7.5.3	Approval		Approved
SP-040809	5 Rel-6 CR 32.632/3/5	SA WG5	7.5.3	Approval		Approved
SP-040810	6 Rel-6 CR 32.642/3/4/5	SA WG5	7.5.3	Approval		Approved. One CR could not be implemented after SA#25. More care to be taken
SP-040811	Rel-6 CR 32.655	SA WG5	7.5.3	Approval		Approved
SP-040812	2 Rel-6 CR 32.661/3	SA WG5	7.5.3	Approval		Approved
SP-040813	2 Rel-5/6 CR 32.674	SA WG5	7.5.3	Approval		Approved
SP-040814	Rel-6 TS 32.675	SA WG5	7.5.3	Approval		Approved
SP-040815	Rel-6 TS 32.690	SA WG5	7.5.3	Approval		Approved
SP-040816	Rel-6 CR 32.692	SA WG5	7.5.3	Approval		Approved
SP-040817	Rel-6 TS 32.695	SA WG5	7.5.3	Approval		Approved
SP-040818	Rel-6 TS 32.714	SA WG5	7.5.3	Approval		Approved
SP-040819	Rel-6 TS 32.744	SA WG5	7.5.3	Approval		Approved
SP-040820	Rel-6 TS 32.745	SA WG5	7.5.3	Approval		Approved
SP-040821	Rel-6 TR 32.805	SA WG5	7.5.3	Approval		Approved
SP-040822	TR 23.903 v2.0.0: Redial Solution for Voice-Video Switching	SA WG2	7.2.3	Approval		Approved and placed under TSG SA Change control (Rel-6). Noted more work needed and CRs expected
SP-040823	Proposed CRs to lists of specs	MCC (J Meredith)	8.7	Approval	SP-040880	Replaced by SP-040880 after changes in TSG T were requested
SP-040824	CR to 21.900	MCC (J Meredith)	9	Approval		Approved
SP-040825	Specs lists per Release; a comparison	MCC (J Meredith)	8.7	Information	SP-040917	Revised in SP-040917
SP-040826	status list before TSG meetings #26	MCC (J Meredith)	8.7	Information		Noted
SP-040827	status list after TSG meetings #26	MCC (J Meredith)	8.7	Information		To be provided at the end of the meeting for information
SP-040828	MCC status report	MCC (J Meredith)	10	Information		Noted
SP-040829	LS from ITU Study Group Management Team: Request for further comments on the draft Technical Report Q.TRMMR on Mobility Management Requirements	ITU Study Group Management Team	6.3	Action		Noted. Members to review the Recommendation and provide any comments
SP-040830	Rel-6 TS 32.172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information Service	SA WG5	7.5.3	Approval		Approved and placed under TSG SA Change control (Rel-6)
SP-040831	TSG S4 Status Report at TSG-SA#26	SA WG4 Chairman	7.4.1	Information		Noted
SP-040832	3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs" Version 1.5.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Members asked to provide comments to SA54

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040833	3GPP TS 26.177 version 1.0.0 "Speech Enabled Services; DSR Extended Advanced Front-end test sequences" (Release 6)	SA WG4	7.4.3	Approval		Approved and placed under TSG SA Change control (Rel-6)
SP-040834	3GPP TR 26.943 version 1.0.0 "Recognition performance evaluations of Codecs for Speech Enabled Services (SES)" (Release 6)	SA WG4	7.4.3	Approval		Approved and placed under TSG SA Change control (Rel-6)
SP-040835	3GPP TS 26.141 version 1.0.0 "IP Multimedia System (IMS) Messaging and Presence; Media formats and Codecs" (Release 6)	SA WG4	7.4.3	Approval		Approved and placed under TSG SA Change control (Rel-6)
SP-040836	WID on Video Codec Performance Requirements (Release 7)	SA WG4	7.4.3	Approval		Approved
SP-040837	CRs TS 26.243 and TS 26.235 on Speech Enabled Services (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040838	CRs TS 26.140 on MMS (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040839	CRs TS 26.234, TS 26.244 and TS 26.245 on PSS (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040840	CRs TS 26.401 and TS 26.410 on aacPlus Codec (Release 6)	SA WG4	7.4.3	Approval		Approved. Cat C CR under development in SA4
SP-040841	CRs TS 26.290 and TS 26.304 on AMR-WB+ Codec (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040842	CRs TS 26.111 on 3G-324M Improvements (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040843	CRs TS 26.235 and TS 26.236 on Push to Talk over Cellular (PoC) Codecs (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040844	CRs TS 26.173 and TS 26.204 on AMR-WB Codec : Incorrect definition of vector nb_of_bits (Release 5 and Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040845	CRs TS 26.103 and TS 28.062 on Tandem Free Operation / Transcoder Free Operation (Releases 4, 5 and 6)	SA WG4	7.4.3	Approval		Approved
SP-040846	CRs TS 28.062 on Operator guidelines for UMTS_AMR (Releases 4, 5 and 6)	SA WG4	7.4.3	Approval		Approved
SP-040847	CRs TS 26.103 on Clarifications on AMR (Releases 4, 5 and 6)	SA WG4	7.4.3	Approval		Approved
SP-040848	SA WG3 Status Report to SA#26	SA WG3 Chairman	7.3.1	Information		Noted
SP-040849	Reports from SA WG3 meetings #35 and #36	SA WG3 Secretary	7.3.1	Information		Noted
SP-040850	3 SA WG3 LI Group Rel-6 CRs to TS 33.107 (Rel-6) which were agreed by SA WG3 by e-mail (30/11/2004)	SA WG3	7.3.3	Approval		Approved
SP-040851	9 SA WG3 LI Group CRs to TS 33.108 (Rel-5 and Rel-6) which were agreed by SA WG3 by e-mail (30/11/2004)	SA WG3	7.3.3	Approval		Approved
SP-040852	3 CRs to 33.102 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040853	1 CR to 33.200: SMS fraud countermeasures (Rel-6)	SA WG3	7.3.3	Approval	SP-040921	Revised off-line in SP-040921
SP-040854	1 CR to 33.203: Editorial corrections (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040855	17 CRs to 33.220: (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040856	2 CRs to 33.221: (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040857	WITHDRAWN: 8 CRs to 33.222: (Rel-6)	SA WG3	7.3.3	Approval	SP-040889, SP-040890	WITHDRAWN. Revised in SP-040889 and SP-040890
SP-040858	22 CRs to 33.234: (Rel-6)	SA WG3	7.3.3	Approval		CR020R4 revised in SP-040891. All other CRs approved
SP-040859	19 CRs to 33.246: (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040860	2 CRs to 33.817: (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040861	1 CR to 33.919: Removal of unnecessary editor's notes (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040862	2 CRs to 43.020 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040863	WID for Trust Requirements for Open Platforms in 3GPP	SA WG3	7.3.3	Approval		Approved
SP-040864	WID for UEA2&UIA2	SA WG3	7.3.3	Approval		Approved (assuming funding is available)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040865	WID for Access Security Enhancements	SA WG3	7.3.3	Approval		Approved
SP-040866	Presentation of TR 33.878-100 to TSG SA for approval	SA WG3	7.3.3	Approval		Upgraded to 33.9xx series. CN1 to check requirements. Noted and Members asked to provide comments to SA3
SP-040867	LS (from SA WG3) Request for advise on handling IETF draft for Rel-6	SA WG3	7.3.2	Discussion / Decision		Alternative CRs to TS 33.222 provided in SP-040890. Postpone changes awaiting IETF Last Call status at next SA3 meeting
SP-040868	Issue list to complete MBMS Security	SA WG3	7.3.2	Discussion / Proposal		Noted
SP-040869	LS from ETSI TC-TISPAN: Proposal for a second Workshop on "IMS over Fixed Access"	ETSI TC-TISPAN	6.2	Action		Agreed workshop useful. Response in SP-040903
SP-040870	Proposed method for progressing work on 3GPP system evolution	NTT DoCoMo Inc.	4, 8.9	Discussion		Introduced under 4, Drafting group agreed work can continue in RAN under their agreed method and in SA as agreed by SA
SP-040871	Progression of work on WLAN Interworking Scenario 4 & 5	NTT DoCoMo Inc.	4, 8.9	Discussion	SP-040930	Revised in SP-040930
SP-040872	Completion of ACBOP work	NTT DoCoMo Inc.	7.2.3	Information		SA2 to update the TR and provide information RAN, CN and GERAN WGs
SP-040873	"Ease of reach" of meeting locations	Siemens	9	Discussion		Strong recommendation to take geog. Location of members and ease-to-get-to locations before accepting venues for meetings
SP-040874	LS from OMA ARC: IMS in OMA status information to 3GPP SA	OMA ARC	6.3	Information		Noted. To be sent to SA2 e-mail list for comments
SP-040875	CRs to 23.125 Rel-6	SA WG2	7.2.3	Approval		CRs 076r1, 082r1 were rejected and CR102r2 was revised in TD SP 040882
SP-040876	Proposed content of Rel-6	NTT DoCoMo	8.8	Discussion	SP-040894	Revised in SP-040894
SP-040877	Rel-6 CR002R1 32.363 Entry Point (EP) IRP CORBA SS	SA WG5	7.5.3	Approval		PDF correct CR number 32363CR002R1. Approved
SP-040878	Reply LS (from ITU-T SG16) on 3GPP Answer on "Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks"	ITU-T SG 16	6.3	Information		Noted
SP-040879	Discussion for I-WLAN WIDs	Samsung	4, 8.9	Discussion		Noted
SP-040880	Proposed CRs to lists of specs	MCC (J Meredith)	8.7	Approval		0101CR023 revised in SP-040931, other CRs approved
SP-040881	WID for Combining CS and IMS services & Capability Detection and Exchange mechanism	Ericsson, Nokia, Nortel Networks, Siemens, TIM, Vodafone	7.2.3	Information / Approval	SP-040913	Revised in SP-040913
SP-040882	Combination of 23.125 CRs 076r1, 082r2 and 102r2	Ericsson, Nokia, Nortel	7.2.3	Approval		Approved
SP-040883	Proposed Feasibility Study on 3GPP System Architecture Evolution	Vodafone	4, 8.9	Discussion / Decision	SP-040922	Introduced under 4, revised in SP-040922 to be considered with other contributions under 8.2.2
SP-040884	TSG_CN Status Report	TSG CN Chairman	8.1.1	Information		Noted
SP-040885	CN#26 Draft Meeting report	TSG CN Secretary (MCC)	8.1.1	Information		Noted
SP-040886	3GPP Dependencies Status for TSG#26	TSG CN Chairman	8.1.1	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040887	Proposed Response to TISPAN on Workshop on "IMS over Fixed Access"	TSG CN	8.1.1	Approval		SA Response updated in SP-040903
SP-040888	LS on Co-ordination of SDO input to ITU-T Q.1741.4	TSG CN	8.1.1	Information		Noted
SP-040889	6 CRs to 33.222: (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040890	2 alternative CRs to 33.222: Removing, or alternatively, Keeping PSK TLS from 3GPP Rel-6	SA WG3	7.3.3	Decision / Approval		Related LS in SP-040867. Postponed to next meeting to check status
SP-040891	CR to 33.234: Impact of Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces (Rel-6)	SA WG3	7.3.3	Approval		33234CR020R5. Approved
SP-040892	TSG GERAN Report to TSG#26	TSG GERAN Chairman	8.4.1	Information		Noted
SP-040893	Reply LS on guidance and error patterns for MBMS streaming simulations	TSG RAN	8.2.2	Information		Noted
SP-040894	Proposed content of Rel-6	NTT DoCoMo	8.8	Discussion		Rel-6 part (1) agreed. WGs to review realistic Rel-7 freezing dates
SP-040895	CRs to 23.107	SA WG2	7.2.3	Approval	SP-040912	revised in SP-040912
SP-040896	CRs to 23.228	SA WG2	7.2.3	Approval		Approved
SP-040897	Work Plan Presentation from MCC to TSG SA#26	MCC (A. Sultan)	8.6	Discussion	SP-040927	Reviewed and updated in SP-040927
SP-040898	Work Plan at TSG SA #26	MCC (A. Sultan)	8.6	Information		Noted
SP-040899	Release 4 Features Description document	MCC (A. Sultan)	8.6	Information		Noted. MCC thanked for this and to put on the 3GPP server
SP-040900	CRs on 23.236 (Iu\A\Gb-Flex)	SA WG2	7.2.3	Approval		Approved
SP-040901	TSG-T progress report	TSG T Chairman	8.3.1	Information		Noted
SP-040902	TSG-T#26 draft meeting report	TSG T Secretary	8.3.1	Information		Noted
SP-040903	Draft Reply to TISPAN on Workshop on "IMS over Fixed Access"	SA WG2 Chairman	6.2	Approval	SP-040929	Revised in SP-040929
SP-040904	CRs on 23.246 (MBMS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040905	SA2 Status Report	SA WG2 Chairman	7.2.1	Information		Noted
SP-040906	CR to 22.242 regarding reference to OMA DRM (Rel-6)	SA WG1 Secretary	7.1.3	Approval	SP-040925	Revised in SP-040925
SP-040907	22.071CR072r1 : Velocity Service Description (Rel-6)	TSG SA	7.1.3	Approval		Approved
SP-040908	Proposed initial submission for 'complete' update of UTRA FDD and TDD in Rev6 of Rec ITU-R M.1457	TSG RAN	8.2.2	Information		Noted
SP-040909	Updated information on the Roadmap for revision 6 of ITU-R M.1457	TSG RAN	8.2.2	Information		Noted
SP-040910	TSG RAN Chairman's report to TSG SA #26	TSG RAN Chairman	8.2.1	Information		Noted
SP-040911	Draft Report of TSG RAN meeting #26	TSG RAN Secretary	8.2.1	Information		Noted
SP-040912	CRs on 23.107 (QoS)	Vodafone, Ericsson	7.2.3	Approval		Approved
SP-040913	WID for Combining CS and IMS services & Capability Detection and Exchange mechanism	Ericsson, Nokia, Nortel Networks, Siemens, TIM, Vodafone	7.2.3	Approval	SP-040926	Revised in SP-040926
SP-040914	Summary of Requirements identified during 3GPP RAN long term evolution workshop	TSG RAN Chairman	8.2.1	Information		Noted
SP-040915	Approved Study Item on Evolved UTRA and UTRAN	TSG RAN	8.2.2	Information		Noted
SP-040916	Proposed 3GPP TSG RAN process for Evolved UTRA & UTRAN	TSG RAN	8.2.1	Information		Noted
SP-040917	Specs lists per Release; a comparison	MCC (J Meredith)	8.7	Information		Noted
SP-040918	WITHDRAWN - PoC Charging	Nokia	7.5.3	Discussion	WITHDRAWN	WITHDRAWN
SP-040919	Working procedure for 3G evolution	T.I.M.	8.9	Discussion		Agenda item to be created in SA to receive reporting on WG activities
SP-040920	LS response (from SA WG5) on work split for PoC charging between OMA, 3GPP2 and 3GPP	SA WG5	7.5.2	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040921	1 CR to 33.200: SMS fraud countermeasures (Rel-6)	O2	7.3.3	Approval		Approved
SP-040922	Proposed Feasibility Study on 3GPP System Architecture Evolution	Vodafone, Ericsson, Siemens, DoCoMo, Nokia, LG Electronics, China Mobile, TeliaSonera, NEC, Huawei, Fujitsu, TIM	8.9	Discussion / Decision	SP-040928	Was discussed under agenda item 4 and revised to this TD for further discussion under 8.9. WID revised in SP-040928
SP-040923	I-WLAN WIDs for scenario 3 enhancement in Release 7	Samsung, NEC, Fujitsu, T-mobile	8.9	Discussion / Approval		Issues to be contributed to SA2 and updated WID with complete scope to be developed for next SA meeting
SP-040924	SMS SC Spoofing: Background Information	O2	7.3.3	Information		Background information on SP-040921. Noted
SP-040925	CR to 22.242 regarding reference to OMA DRM (Rel-6)	SA WG1 Secretary	7.1.3	Approval		Approved
SP-040926	WID for Combining CS and IMS services & Capability Detection and Exchange mechanism	Ericsson	7.2.3	Approval		Approved
SP-040927	Updated Work Plan Presentation after discussion at TSG SA#26	MCC (A. Sultan)	8.6	Discussion		Noted
SP-040928	WID: Feasibility Study on 3GPP System Architecture Evolution	Vodafone, Ericsson, Siemens, DoCoMo, Nokia, LG Electronics, China Mobile, TeliaSonera, NEC, Huawei, Fujitsu, TIM, T-mobile, 3, China ZTE	8.9	Discussion / Decision		Approved
SP-040929	Reply to TISPAN on Workshop on "IMS over Fixed Access"	SA WG2 Chairman	6.2	Approval		Approved
SP-040930	Progression of work on WLAN Interworking Scenario 4 & 5	NTT DoCoMo Inc.	4, 8.9	Discussion		Proposal agreed with re-wording
SP-040931	Proposed CR to TS 01.01	MCC (J Meredith)	8.7	Approval		Approved
SP-040932	Release 6 Submission form	MCC	13	Information		To be used for Rel-6 submissions to next meeting

Annex C: List of attendees and TSG SA Voting List

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145 Participants

C.2   List of eligible Voting members for TSG SA#27

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #25 or #24 (representation of an Individual Member at any of TSG SA Meetings #24, #25 or #26).

<table>
<tr><td colspan="3">Voting list for 3GPP TSG SA
(Technical Specification Group - Services and System Aspects)
List Created on: 20 December 2004</td></tr>
<tr><td colspan="3">This report shows the 3GPP Member Companies on the Voting List after TSG SA Meeting #26
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</td></tr>
</table>

Organisation Name	Organisation Status	Country
7 LAYERS AG	3GPPMEMBER - ETSI	DE
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - ATIS	US
Axalto S.A.	3GPPMEMBER - ETSI	FR
BT Group Plc	3GPPMEMBER - ETSI	GB
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - ATIS	US
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
Electronics & Telecommunications Research Institute	3GPPMEMBER - TTA	KR
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - ATIS	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
Flextronics, GSM Division, ODM Products Group	3GPPMEMBER - ETSI	FI
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
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
mmO2 plc	3GPPMEMBER - ETSI	GB
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
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI

Organisation Name	Organisation Status	Country
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 - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE SA	3GPPMEMBER - ETSI	FR
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
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
SK TELECOM	3GPPMEMBER - TTA	KR
SOFTBANK BB CORPORATION	3GPPMEMBER - TTC	JP
SONOFON A/S	3GPPMEMBER - ETSI	DK
SWISSCOM SA	3GPPMEMBER - ETSI	CH
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 Technical Conssultants AB	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 LTD	3GPPMEMBER - ETSI	GB
VoiceAge Corporation	3GPPMEMBER - ETSI	CA
Zhongxing Telecom Ltd.	3GPPMEMBER - CCSA	CN

Total: 100 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #26

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#26	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.15.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	.
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	.
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	.
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	.
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	.
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4! delayed awaiting 11.14
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	.
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	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	ETSI publication only - 3GPP use 8.0.0
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	.
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	.
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	HAN, Seung Don	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	.
TS	03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	8.5.0	R99	T3	DIETRICH, Christian	
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	
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

3GPP *TSG SA*

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	HAN, Seung Don	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	HAN, Seung Don	ETSI format only. Not for 3GPP use.
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	
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	.
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.3.0	R99	G1	CARRIZO MARTINEZ, Jose Luis	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	8.4.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.4.0	R99	N1	MÜNNING, Dirk	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.9.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	SP-16: 23.073 reverts to GERAN-only. technically identical to 23.073 v3.0.1
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	#29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	DAWES, Peter	#31: 8.0.0
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.6.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.24.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.16.0	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	N1	HUPPERICH, Peter	#31: 8.0.0

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.25.0	R99	G2	HOWELL, Andrew	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	DOIG, Ian	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	DOIG, Ian	
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	
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	8.11.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.8.0	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	.
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	.
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	.
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	.
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	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.1	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.15.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	ETSI publication only - 3GPP to use 8.4.0
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	
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	.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	.
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	#31: 8.0.0 TSG#10:8.1.0
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.7.1	R99	G2	ANDERSEN, Niels Peter Skov	remove rev marks
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	8.3.0	R99	G3new	SALMERON, Lidia	#32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.10.0	R99	T3	SALMERON, Lidia	May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.12.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.3.0	R99	T3	BEGASSAT, Christophe	No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.17.0	R99	T3	DUBOIS, Christophe	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	SANDSCHNEIDER, Hajo	May 00: R99 not anticipated. TP-18: R99 created.
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	ANDERSEN, Niels Peter Skov	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	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#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.
TS	13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive	8.1.2	R99	MSG	BUSIN, Ake	No R99 impact. But #32 reinstated. #32:8.0.0 MSG#3:8.1.0

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	3.14.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.4.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	.
TR	21.801	Specification drafting rules	3.0.0	R99	SP	MEREDITH, John M	Created from Rel-5 at SP-23. Previous Releases were originally covered by ETSI drafting rules. No intention to propagate "21.801" further back than R99.
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	RODERMUND, Friedhelm	TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0
TR	21.900	Technical Specification Group working methods	3.7.0	R99	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	T2	RODERMUND, Friedhelm	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	RODERMUND, Friedhelm	TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N4	SMITH, David	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	3.8.0	R99	S1	IBIDUN, Kunle	
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	corrects change history
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DEOL, Amar	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	IGNATIUS, Jan	
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	Created from 02.31 R99. Technically identical to 02.31 v8.0.1.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: Takes over from 02.32 R99.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.4.0	R99	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WATSON, John	
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	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	.
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	3.5.0	R99	S1	DEOL, Amar	
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	HECHWARTNER, Roland	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	BLOMSTRAND, Ola	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.2	R99	S1	IBIDUN, Kunle	.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	SWETINA, Joerg	.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	BLOMSTRAND, Ola	.
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DEOL, Amar	
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	ACHTER, Johannes	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	ACHTER, Johannes	.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	IGNATIUS, Jan	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	SWETINA, Joerg	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	.
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	HECHWARTNER, Roland	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	.
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DEOL, Amar	
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	Converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	MEYER, Juergen	
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	SCARRONE, Enrico	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TR	22.975	Advanced addressing	3.1.0	R99	S1	WATSON, John	.
TS	23.002	Network architecture	3.6.0	R99	S2	MILINSKI, Alexander	
TS	23.003	Numbering, addressing and identification	3.14.0	R99	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	3.6.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.8.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.14.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	3.10.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	Created from 03.31 R99. Technically identical to 03.31 v8.0.0
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	CARRIÓN, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: takes over from 03,35 R99.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	
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. test vectors provided 23/01/200
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	3.16.0	R99	S2	KUCHIBHOTLA, Ravi	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.19.0	R99	N4	HOMANN, Christian	Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	
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	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	3.4.0	R99	S2	GOURRAUD, Christophe	
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	T2	LAUMEN, Josef	
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	3.11.0	R99	S2	WONG, Gavin	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.930	Iu principles	3.0.0	R99	S2	AXERUD, Bo	.
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.10.0	R99	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.19.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7:Decision to create.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	

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TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	R99	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	3.17.0	R99	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	3.13.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.14.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.19.0	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)	3.12.0	R99	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	BEALE, Martin	
TS	25.224	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	
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	MIKOLA, Juha	
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.11.0	R99	R2	MIHAILESCU, Claudiu	
TS	25.306	UE Radio Access capabilities definition	3.10.0	R99	R2	BERGGREN, Anders	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	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	
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	KUNZ, Walter	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	DIESEN, Michael	
TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	3.14.0	R99	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.2	R99	R3	ERICSSON, Ingela	Correction of typo in history box.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.8.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.11.0	R99	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	R99	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.14.2	R99	R3	SEHEDIC, Yann	ASN.1 editorials
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.11.0	R99	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	.
TR	25.833	Physical layer items not for inclusion in Release 99	3.0.0	R99	R1	IKEDA, Shinobu	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	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	

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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	
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	
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	.
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	
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	.
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	.
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	.
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	
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	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	was 26.075;
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.15.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	.
TS	27.007	AT command set for User Equipment (UE)	3.13.0	R99	T2	VOTE, Nicola	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	RODERMUND, Friedhelm	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	HAN, Seung Don	
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	RODERMUND, Friedhelm	TSG#8:3.1.0 but this CR not impementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	RODERMUND, Friedhelm	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TS	29.002	Mobile Application Part (MAP) specification	3.20.0	R99	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.15.0	R99	N3	BELLING, Thomas	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.12.0	R99	N4	KYMALAINEN, Kimmo	
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.11.0	R99	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.19.0	R99	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	N3	HUSLENDE, Ragnar	
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N4	NOLDUS, Rogier	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	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	
TS	29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	ABARCA, Chelo	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	. minor editorials to change style from TS to TR.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.1	R99	T3	VESTERGAARD, Peter	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.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	31.102	Characteristics of the USIM application	3.17.0	R99	T3	RUBON, Jean-Francois	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.13.0	R99	T3	DUBOIS, Christophe	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.1.0	R99	T3	MAESER, Torsten	TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.11.0	R99	T3	WILLENBRINK, Udo	
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.8.0	R99	T3	KNIGHT, Simon	
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	
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	
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: multipart split from parent 3.0.1 split into parts
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: multipart split from parent 3.0.1
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: multipart split from parent 3.0.1
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: 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: 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: 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: 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: 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: multipart split from parent 3.0.1

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)	3.3.0	R99	S5	SCHMIDT, Joerg	
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: 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: 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	Formerly 33.904. SP-000039
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.16.0	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest. technical contents removed, is just a pointer to Rel-5 version
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.10.0	R99	R2	BERGGREN, Anders	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.14.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	3.12.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.8.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-26: Anticipate approval at TP-18.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	

D.3   Release 4 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	4.11.0	Rel-4	SP	MEREDITH, John M	.
TS	21.111	USIM and IC card requirements	4.1.0	Rel-4	T3	KALINER, Stefan	2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5 version. TP-16: decided to upgrade to Rel-5.
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.4.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.004	General on supplementary services	4.3.0	Rel-4	S1	CARPENTER, Paul	
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	IBIDUN, Kunle	
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	TSG#8: CR proposed creation, but not aprvd. History box
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DEOL, Amar	
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	IGNATIUS, Jan	
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	Created from 42.031 Rel-4. Technically identical to 42.031 v4.0.0.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	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	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WATSON, John	
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	CLAYTON, Michael	
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	
TS	22.071	Location Services (LCS); Stage 1	4.6.0	Rel-4	S1	DEOL, Amar	
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	HECHWARTNER, Roland	
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	IBIDUN, Kunle	
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services, Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	ACHTER, Johannes	
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	ACHTER, Johannes	
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	IGNATIUS, Jan	
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	HECHWARTNER, Roland	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	
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DEOL, Amar	
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	Converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	CR010r1 implemented
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	MEYER, Juergen	based on 3.0.0
TS	23.002	Network architecture	4.8.0	Rel-4	S2	MILINSKI, Alexander	
TS	23.003	Numbering, addressing and identification	4.8.0	Rel-4	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	4.2.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.3.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.9.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	
TS	23.015	Technical realization of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.4.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	Created from 43.031 Rel-4. Technically identical to 43.031 v4.0.0
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	CARRIÓN, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: takes over from 43.035 Rel-4
TS	23.038	Alphabets and language-specific information	4.5.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.9.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	Rel-4	T3	BARNES, Nigel	.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	4.9.0	Rel-4	S2	KUCHIBHOTLA, Ravi	
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.11.1	Rel-4	N4	HOMANN, Christian	Phase 3. typo on cover page
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
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	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	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. update history table

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	4.3.0	Rel-4	S2	GOURRAUD, Christophe	
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.10.0	Rel-4	T2	LAUMEN, Josef	
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.11.0	Rel-4	N4	HODGES, Phil	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.7.0	Rel-4	N4	HODGES, Phil	
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	RODERMUND, Friedhelm	
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	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.8.0	Rel-4	N3	HUSLENDE, Ragnar	
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.930	Iu principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.4.0	Rel-4	N1	HOWELL, Andrew	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.14.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.4.0	Rel-4	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	

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TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	4.11.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	4.8.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	4.8.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.4.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.13.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.13.0	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	Was to have been 25.107. But never was.
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	GERSTENBERGER, Dirk	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	4.4.0	Rel-4	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	4.8.0	Rel-4	R1	BEALE, Martin	
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	
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	
TS	25.306	UE Radio Access capabilities definition	4.9.0	Rel-4	R2	BERGGREN, Anders	
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	4.4.0	Rel-4	R2	FAUCONNIER, Denis	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	

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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	4.16.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	GODIN, Philippe	
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	KUNZ, Walter	
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	DIESEN, Michael	
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	4.1.0	Rel-4	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.12.0	Rel-4	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.10.0	Rel-4	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.12.1	Rel-4	R3	ERICSSON, Ingela	ASN.1 editorials
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.4.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.5.0	Rel-4	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.4.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	4.0.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN Iub interface NBAP signalling	4.13.0	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, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	4.0.0	Rel-4	R1	SASAKI, Tsukasa	RP-15: Not to be promoted to Rel-5. 2003-11-28: WG Chairman indicates that the doc is contentious, and cannot easily be brought under change control. RP-22: Neverthless, brought under change control; no further work envisaged. approved unseen at RP-22. No further work envisaged.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.

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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	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	RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.942	Radio Frequency (RF) system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	
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	RP-15: Not to be promoted to Rel-5.
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service (QoS) Negotiation over Iu	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.956	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	
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	
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	
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.4.0	Rel-4	S4	HELLWIG, Karl	
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	

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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	
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	
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
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.12.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for User Equipment (UE)	4.6.0	Rel-4	T2	VOTE, Nicola	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	RODERMUND, Friedhelm	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	N3	HAN, Seung Don	
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	RODERMUND, Friedhelm	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	RODERMUND, Friedhelm	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	RODERMUND, Friedhelm	TP-15: Not to be promoted to Rel-5.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.6.0	Rel-4	S4	SUERBAUM, Clemens	TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.15.0	Rel-4	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.11.0	Rel-4	N3	BELLING, Thomas	

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TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.8.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.5.0	Rel-4	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.11.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	4.10.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N4	NOLDUS, Rogier	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	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.7	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control Service Capability Feature (SCF)	4.11.0	Rel-4	N5	ABARCA, Chelo	
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	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	4.5.0	Rel-4	N5	ABARCA, Chelo	
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	N5	ABARCA, Chelo	
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	N5	ABARCA, Chelo	
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	N5	ABARCA, Chelo	

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TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.10.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	BELLING, Thomas	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	. minor editorials to change style from TS to TR.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	4.0.2	Rel-4	N4	WIEHE, Ulrich	. Technically identical to 30.002 v4.0.1.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.2.1	Rel-4	T3	VESTERGAARD, Peter	
TS	31.102	Characteristics of the USIM application	4.14.0	Rel-4	T3	RUBON, Jean-Francois	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	TP-26: T3 indicates it needs further studies on this document.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.13.0	Rel-4	T3	DUBOIS, Christophe	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	4.0.0	Rel-4	T3	MAESER, Torsten	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	4.10.0	Rel-4	T3	WILLENBRINK, Udo	
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	4.0.0	Rel-4	T3	KNIGHT, Simon	2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	4.7.0	Rel-4	S5	SCHMIDT, Joerg	
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	
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	
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.7.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.8.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	.
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	4.2.0	Rel-4	S5	TSE, Edwin	.
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	.
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	.
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.1.0	Rel-4	S5	TSE, Edwin	.
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	4.1.0	Rel-4	S5	TSE, Edwin	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.5.0	Rel-4	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.9.0	Rel-4	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	.
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	.
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	.
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	.
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	.
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	.
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	.
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	.
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	.
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	.
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	.
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	.
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	.
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	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PETERSEN, Robert	.
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.3.0	Rel-4	S5	PIRT, Trevor	
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	
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	.
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	.
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	.
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	.
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	
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.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	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	SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.11.0	Rel-4	T1	CHALABI, Nouhman	TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest. technical contents removed, is just a pointer to Rel-5 version
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.6.0	Rel-4	R2	BERGGREN, Anders	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	4.1.0	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	4.10.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.2.0	Rel-4	R4	SOERENSEN, Ole	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	FENN, John B	
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	
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	
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	
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	TSG#11:changed to Rel-4

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	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	4.13.0	Rel-4	SP	MEREDITH, John M	.
TS	42.009	Security aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	.
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	
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	POIRAUD, Patrick	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	HAN, Seung Don	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	many invalid references
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	
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	N3	HAN, Seung Don	
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	4.5.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.6.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	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	4.4.0	Rel-4	N1	GARAPATY, Sonia	

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TS	43.069	Voice Broadcast service (VBS); Stage 2	4.4.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	. = 23.073 v4.0.0
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	TSG#11: Replaces 24.012 for Rel-4 on.
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	DAWES, Peter	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.4.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.19.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.12.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.19.0	Rel-4	G2	HOWELL, Andrew	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical layer on the radio path; General description	4.4.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.3.0	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	

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TS	45.015	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines	4.0.0	Rel-4	G1	ESCULIER, Carole	.
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full rate speech; Processing functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half rate speech; 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	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech; Transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	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	
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-5 CR undone. Effectively reverts to 4.0.0
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	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
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	
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	#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	
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	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze indicates that Rel-4 will eventually be produced, so this Release reinstated (though existing so-called draft v0.0.1 is still scrapped). TP-010250; TP17: the previous doc turned out to be a sort of draft CR for R99 (11.10-4). 2003-07-15: Dietze indicates that a Rel-4 will be required, so this Release reinstated, but this version 0.0.1 remains scrapped.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.13.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.2.0	Rel-4	T3	BEGASSAT, Christophe	TP-15: New WI approved in TP-020029.
TS	51.014	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface	4.5.0	Rel-4	T3	DUBOIS, Christophe	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	51.021	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	.

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	5.8.0	Rel-5	SP	MEREDITH, John M	.
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	5.1.0	Rel-5	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	5.1.0	Rel-5	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TR	21.905	Vocabulary for 3GPP Specifications	5.8.0	Rel-5	S1	ZARRI, Michele	.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.004	General on supplementary services	5.1.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	IBIDUN, Kunle	.
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	. identical to 4.1.0.
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DEOL, Amar	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	IGNATIUS, Jan	.
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	Created from 42.031 Rel-5. Technically identical to 43.031 v5.0.0.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.4.0	Rel-5	S1	CARPENTER, Paul	
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WATSON, John	.
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	. technically identical to v4.0.0
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CLAYTON, Michael	
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	.
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	5.4.0	Rel-5	S1	DEOL, Amar	.
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	.
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.14.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	.
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	IBIDUN, Kunle	.
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	.
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	.
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	.
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	IGNATIUS, Jan	.
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	.
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	.
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	.
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	.
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	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.4.0	Rel-5	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment (VHE); Stage 1	5.3.1	Rel-5	S1	ZARRI, Michele	SP-26: do not upgrade to Rel-6 Converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	.
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	MEYER, Juergen	.
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	CLAYTON, Michael	WI approved TSG#7
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	Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WATSON, John	.
TR	22.944	Report on service requirements for UE functionality split	5.1.0	Rel-5	S1	BARNES, Nigel	.
TS	23.002	Network architecture	5.12.0	Rel-5	S2	MILINSKI, Alexander	
TS	23.003	Numbering, addressing and identification	5.10.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.7.0	Rel-5	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	5.8.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	5.3.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	5.9.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	Created from 43.031 Rel-5. Technically identical to 43.031 v5.0.0
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	.
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1	CARRIÓN, Inmaculada	.
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	.
TS	23.038	Alphabets and language-specific information	5.1.0	Rel-5	T2	HARRIS, Ian	.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	TP-26: Not to be upgraded to Rel-6.
TS	23.040	Technical realization of Short Message Service (SMS)	5.8.1	Rel-5	T2	HARRIS, Ian	. adds compression text vectors file accidentally omitted from v5.8.0
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.2.0	Rel-5	T2	HARRIS, Ian	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	5.8.0	Rel-5	T3	BARNES, Nigel	TP-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	.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	5.9.0	Rel-5	S2	KUCHIBHOTLA, Ravi	.
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.3.0	Rel-5	N4	LOPEZ SORIA, Luis	.
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.9.0	Rel-5	N4	HOMANN, Christian	Phase 4.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.5.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	.
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
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	
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	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	. Created when discovered it was missing post SP-21. To be ratified SP-22.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	.
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.3.0	Rel-5	N1	HIETALAHTI, Hannu	.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	5.2.0	Rel-5	S2	GOURRAUD, Christophe	.
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.11.0	Rel-5	T2	LAUMEN, Josef	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. XML schema unchanged

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.9.0	Rel-5	N4	HODGES, Phil	.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.4.0	Rel-5	S2	PUDNEY, Chris	SP-20: approved as a Rel-5 document, not Rel-6.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.7.0	Rel-5	N4	HODGES, Phil	.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.9.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.7.0	Rel-5	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	5.11.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	WI approved TSG#7
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	RODERMUND, Friedhelm	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	.
TS	23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.6.0	Rel-5	N4	REMOQUILLO, Angelica	Was briefly 23.178. CAMEL Phase 4.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	Not to progress to Rel-6: see 23.271.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	.
TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	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-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	N1	ANDERSEN, Niels Peter Skov	.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.3.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.12.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	N3	KLEHN, Norbert	.
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.5.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	24.228	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.11.0	Rel-5	N1	KISS, Krisztian	Post NP-25: not to be upgraded to Rel-6. NP-26: confirmed: contents subsumed 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	5.11.1	Rel-5	N1	DRAGE, Keith	fixes Word problem
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	5.13.0	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	UTRA repeater radio transmission and reception	5.8.0	Rel-5	R4	NILSSON, Martin	.
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.5.0	Rel-5	R4	BARNES, David	.
TS	25.123	Requirements for support of radio resource management (TDD)	5.10.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.13.0	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, Juergen	.
TS	25.143	UTRA repeater conformance testing	5.8.0	Rel-5	R4	KUMMETZ, Thomas	.
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)	5.5.0	Rel-5	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	CHAPMAN, Thomas	.
TS	25.222	Multiplexing and channel coding (TDD)	5.7.0	Rel-5	R1	BEALE, Martin	.
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	5.3.0	Rel-5	R2	EKEMARK, Sven	.
TS	25.302	Services provided by the physical layer	5.7.0	Rel-5	R2	MIHAILESCU, Claudiu	.

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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	5.7.0	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	
TS	25.306	UE Radio Access capabilities definition	5.9.0	Rel-5	R2	BERGGREN, Anders	.
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	5.3.0	Rel-5	R2	FAUCONNIER, Denis	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	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	5.9.0	Rel-5	R2	HUS, Olivier	.
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	.
TS	25.324	Broadcast/Multicast Control (BMC)	5.5.0	Rel-5	R2	HARTL, Mike	.
TS	25.331	Radio Resource Control (RRC) protocol specification	5.11.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN overall description	5.9.0	Rel-5	R3	GODIN, Philippe	.
TS	25.402	Synchronisation in UTRAN Stage 2	5.3.0	Rel-5	R3	KUNZ, Walter	.
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.4.0	Rel-5	R3	DIESEN, Michael	.
TS	25.411	UTRAN Iu interface layer 1	5.1.0	Rel-5	R3	KUNZ, Walter	.
TS	25.412	UTRAN Iu interface signalling transport	5.2.0	Rel-5	R3	NG, Cheng Hock	.
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.10.0	Rel-5	R3	GUYOT, Olivier	.
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.7.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.415	UTRAN Iu interface user plane protocols	5.4.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.7.0	Rel-5	R3	MCWILLIAMS, Brendan	.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.2.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.12.0	Rel-5	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.6.0	Rel-5	R3	KEKKI, Sami	.
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.3.0	Rel-5	R3	HAKULI, Tuomas	.
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.4.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.432	UTRAN Iub interface: signalling transport	5.1.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	5.11.0	Rel-5	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	LAVASANI, Shahab	.
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	HAUSER, Alexander	.
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	JOLLEY, Vincent	.

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TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	JOLLEY, Vincent	.
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.9.0	Rel-5	R3	JOLLEY, Vincent	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	N, A	.
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	.
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena Eva	.
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	HAUTALA, Jari	.
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	.
TR	25.921	Guidelines and principles for protocol description and error handling	5.5.0	Rel-5	R2	BARRETO, Luis	.
TR	25.922	Radio resource management strategies	5.3.0	Rel-5	R2	HUS, Olivier	.
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	.
TR	25.933	IP transport in UTRAN	5.4.0	Rel-5	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon). 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	.
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	.
TR	25.945	RF requirements for low chip rate TDD option	5.1.0	Rel-5	R4	ZHANG, Daijun	.
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.1.0	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
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	.
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	. No SDO publication necessary
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	.

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TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	.
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 Iu 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	
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	.
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; AdaptiveMulti-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-W) speech codec	5.9.0	Rel-5	S4	EKUDDEN, Erik	
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	
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 Iu, Uu and Nb	5.1.0	Rel-5	S4	NAVARRO, William	

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TS	26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C 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	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	TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Cellular text telephone modem; Minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	
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	5.6.0	Rel-5	S4	FRANCESCHI, Olle	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.5.0	Rel-5	S4	OJALA, Pasi	.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.1.0	Rel-5	S4	HAAVISTO, Petri	.
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	.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.1.0	Rel-5	S4	VAINIO, Janne	.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.8.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	27.007	AT command set for User Equipment (UE)	5.5.0	Rel-5	T2	VOTE, Nicola	.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	RODERMUND, Friedhelm	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.6.0	Rel-5	N3	HAN, Seung Don	.
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	RODERMUND, Friedhelm	TP-26: Not to be upgraded to Rel-6.
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	RODERMUND, Friedhelm	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	.
TS	29.002	Mobile Application Part (MAP) specification	5.10.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.10.0	Rel-5	N3	BELLING, Thomas	.
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	N4	KYMALAINEN, Kimmo	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	DAWES, Peter	.
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.5.0	Rel-5	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.12.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	5.9.0	Rel-5	N3	HUSLENDE, Ragnar	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	N4	NOLDUS, Rogier	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	.
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	.
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	5.9.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.
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	N5	ABARCA, Chelo	.
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	N5	ABARCA, Chelo	.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.2.0	Rel-5	N4	ANGELO, Ciriaco	.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	5.1.0	Rel-5	N4	HEIDERMARK, Alf	.
TS	29.207	Policy control over Go interface	5.9.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.9.0	Rel-5	N3	SILLANPÄÄ, Anna	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.10.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.9.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.9.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.3.0	Rel-5	N4	REMOQUILLO, Angelica	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	5.8.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.329	Sh interface based on the Diameter protocol	5.8.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	.
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	N3	BELLING, Thomas	
TR	29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer	5.0.0	Rel-5	N4	YOUNG, Michael	NP-11:creation Supersedes 29.203
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	. minor editorials to change style from TS to TR.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.3	Rel-5	N5	ABARCA, Chelo	NP-15: Was originally Rel-6, but moved to Rel 5. RFC no.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	5.0.1	Rel-5	N4	WIEHE, Ulrich	. Technically identical to 30.002 v5.0.0.
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	5.0.4	Rel-5	T3	RUBON, Jean-Francois	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	T3	VESTERGAARD, Peter	TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM application	5.11.0	Rel-5	T3	RUBON, Jean-Francois	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.8.0	Rel-5	T3	VESTERGAARD, Peter	.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.8.0	Rel-5	T3	DUBOIS, Christophe	.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.6.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	5.0.0	Rel-5	T3	MAESER, Torsten	Fill in of missing Release
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	5.0.0	Rel-5	T3	WILLENBRINK, Udo	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	.
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	5.5.0	Rel-5	S5	SCHMIDT, Joerg	.
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.5.1	Rel-5	S5	TSE, Edwin	.
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.8.0	Rel-5	S5	POLLAKOWSKI, Olaf	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	32.200	Telecommunication management; Charging management; Charging principles	5.7.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.8.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.7.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.7.0	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	.
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	.
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	5.2.0	Rel-5	S5	TSE, Edwin	.
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	.
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	.
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.1.0	Rel-5	S5	TSE, Edwin	.
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	5.1.0	Rel-5	S5	TSE, Edwin	.
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	5.4.0	Rel-5	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.9.0	Rel-5	S5	TOCHE, Christian	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	. Title aligned with the 3GPP Database

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	5.0.1	Rel-5	S5	PIRT, Trevor	. Title aligned with the 3GPP Database
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	.
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	.
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	.
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.1	Rel-5	S5	PAL, Tapinder	.
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	.
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	.
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	.
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	.
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
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	.
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	.
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	.
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.4.0	Rel-5	S5	TOCHE, Christian	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.6.0	Rel-5	S5	PAL, Tapinder	.
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	PAL, Tapinder	.
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.3.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.4.0	Rel-5	S5	TOCHE, Christian	. XML schema available 2004-11-02
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.5.0	Rel-5	S5	PETERSEN, Robert	.
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.4.0	Rel-5	S5	PIRT, Trevor	.
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	.
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	. XML schema available 2004-11-02
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	.
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	.
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	.
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	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	XML schema available 2004-11-02
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!
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	.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	.
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	

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	34.108	Common test environments for User Equipment (UE) conformance testing	5.3.0	Rel-5	T1	CHALABI, Nouhman	.
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.4.0	Rel-5	R2	BERGGREN, Anders	.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	5.6.0	Rel-5	T1	HIGUCHI, Kenji	.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	5.0.0	Rel-5	T1	MAUCKSCH, Thomas	.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.10.0	Rel-5	T1	SULTAN, Alain	.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.10.0	Rel-5	T1	HU, Shicheng	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.4.0	Rel-5	R4	SOERENSEN, Ole	.
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	.
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	.
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	.
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	.
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	.
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	.
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	.
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	.
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	.
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	.
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	5.9.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	POIRAUD, Patrick	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	NP-21: Decision not to progress this to Rel-6. Note that the doc is really a TR not a TS (cover sheet is wrong)
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	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	T3	DIETRICH, Christian	.
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	. many invalid references
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	.
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	N3	HAN, Seung Don	.
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	
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	5.4.0	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	5.4.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.4.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	. technically identical to v4.0.0
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	. Technically identical to TR.43,930 v5.1.0
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	5.3.0	Rel-5	G2	ISAACS, Ken	.
TS	44.005	Data Link (DL) Layer General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	.
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	DAWES, Peter	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.3.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.18.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.11.0	Rel-5	G2	GARAPATY, Sonia	.
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	5.0.1	Rel-5	G2	GARAPATY, Sonia	.
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	.
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	.
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	5.14.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.2.0	Rel-5	N1	DOIG, Ian	.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	. Correct faulty styles / clause numbering
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	.
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	5.10.0	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	.
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	.
TS	45.001	Physical layer on the radio path; General description	5.8.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	5.12.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.11.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.1	Rel-5	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	5.10.0	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	ESCULIER, Carole	.
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	.
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	.
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	.
TS	46.010	Full-rate speech; Transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	.
TS	46.011	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	On freezing Rel-6, notice that no Rel-5 version previously existed!
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	.
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	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.12.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.4.0	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	N3	RÄSÄNEN, Juha	.
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.6.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
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	.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.4.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.11.0	Rel-5	G3new	HU, Shicheng	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
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	.
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	.
TS	51.010-5	Mobile Station (MS) conformance specification; Part 5: GERAN / UTRAN interaction Abstract Test Suite (ATS)	2.0.0	Rel-5	G3new	HU, Shicheng	. GP-042795
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	5.2.0	Rel-5	T3	BEGASSAT, Christophe	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-18: Expected to be raised to Rel-5 at SP-19. technically identical to v4.2.0

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-020880
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	.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	. v number seems to have restarted. Not uploaded for fear of confusion.
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	1.2.0	Rel-5	T1	ROSE, Ian	TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!!)

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	6.0.0	Rel-6	SP	MEREDITH, John M	.
TS	21.111	USIM and IC card requirements	6.1.0	Rel-6	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	6.0.0	Rel-6	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	6.4.0	Rel-6	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-20: expect revised drafts 2003-06-20 & 2003-09-05. SP-21: approved as Rel-6 document. Approved as Rel-6. PCG to decide whether SDOs are to publish prior to Rel-6 freeze.
TR	21.905	Vocabulary for 3GPP Specifications	6.7.0	Rel-6	S1	ZARRI, Michele	.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	CARPENTER, Paul	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.004	General on supplementary services	6.0.0	Rel-6	S1	CARPENTER, Paul	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.011	Service accessibility	6.4.0	Rel-6	S1	IBIDUN, Kunle	.
TS	22.016	International Mobile Equipment Identities (IMEI)	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	6.0.0	Rel-6	S3	NGUYEN NGOC, Sebastien	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.024	Description of Charge Advice Information (CAI)	6.0.0	Rel-6	S1	DEOL, Amar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	6.0.0	Rel-6	S1	IGNATIUS, Jan	.
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	6.0.0	Rel-6	S3	WRIGHT, Tim	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	6.0.0	Rel-6	S3	WRIGHT, Tim	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.3.0	Rel-6	S1	CARPENTER, Paul	.
TS	22.041	Operator Determined Call Barring	6.2.0	Rel-6	S1	WATSON, John	.
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	6.0.0	Rel-6	S4	NAVARRO, William	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	.
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	.
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	.
TS	22.071	Location Services (LCS); Stage 1	6.7.0	Rel-6	S1	DEOL, Amar	.
TS	22.072	Call Deflection (CD); Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.6.0	Rel-6	S1	GRECH, Michel	.
TS	22.079	Support of optimal routeing; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.081	Line Identification supplementary services; Stage 1	6.0.0	Rel-6	S1	BLOMSTRAND, Ola	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	6.0.0	Rel-6	S1	IBIDUN, Kunle	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	6.0.0	Rel-6	S1	BLOMSTRAND, Ola	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.087	User-to-user signalling (UUS); Stage 1	6.0.0	Rel-6	S1	ACHTER, Johannes	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.088	Call Barring (CB) supplementary services; Stage 1	6.0.0	Rel-6	S1	ACHTER, Johannes	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	6.0.0	Rel-6	S1	IGNATIUS, Jan	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.094	Follow Me service description - Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	.
TS	22.096	Name identification supplementary services; Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	6.0.0	Rel-6	S1	DEOL, Amar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.101	Service aspects; Service principles	6.8.0	Rel-6	S1	DEOL, Amar	SP-020234 slide 11 justifies existence.
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	ZARRI, Michele	.
TS	22.112	USIM toolkit interpreter; Stage 1	6.0.0	Rel-6	T3	MEYER, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.7.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.1.0	Rel-6	S1	SAMPSON, Nick	.
TS	22.135	Multicall; Service description; Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.6.0	Rel-6	S1	MEYER, Juergen	.
TS	22.141	Presence service; Stage 1	6.3.0	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	.
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	6.7.0	Rel-6	S1	CATALDO, Mark	SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WATSON, John	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	BOOTE, Michael	SP-22: target for approval = SP-25. SP-25: this realease unwithdrawn!
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.5.0	Rel-6	S1	BISCHINGER, Kurt	SP-17: Expected for SP-18.
TS	22.242	Digital Rights Management (DRM); Stage 1	6.3.0	Rel-6	S1	WOOD, Nicholas	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	Delayed from Rel-5.
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.2.0	Rel-6	S1	CURCIO, Igor	.
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	.
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	LAATU, Juho	.
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	6.0.0	Rel-6	S1	FRANK, Robert	SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	RODERMUND, Friedhelm	.
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	YOUNGE, Mark	SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
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. Upgrade on Rel-6 freeze
TR	22.949	Study on a generalized privacy capability	6.0.0	Rel-6	S1	BOOTE, Michael	.
TR	22.950	Priority service feasibility study	6.4.0	Rel-6	S1	GARRAHAN, James	.
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	SP-21: S2: "No stage 2 TS needed." Target is to approve at SP-22. SP-22: Concerns that the TR may have been drafted to meet US legislation only.
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	.
TS	23.002	Network architecture	6.6.0	Rel-6	S2	MILINSKI, Alexander	.
TS	23.003	Numbering, addressing and identification	6.5.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	6.1.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	6.4.0	Rel-6	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	6.0.0	Rel-6	N1	FARHOUMAND, Rouzbeh	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	6.2.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	6.0.0	Rel-6	N1	ZAUS, Robert	.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	6.3.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	6.0.0	Rel-6	S3	WRIGHT, Tim	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.032	Universal Geographical Area Description (GAD)	6.0.0	Rel-6	S2	HIETALAHTI, Hannu	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	6.0.0	Rel-6	N1	CARRIÓN, Inmaculada	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.035	Immediate Service Termination (IST); Stage 2	6.0.0	Rel-6	S3	WRIGHT, Tim	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.038	Alphabets and language-specific information	6.1.0	Rel-6	T2	HARRIS, Ian	.

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TS	23.040	Technical realization of Short Message Service (SMS)	6.5.0	Rel-6	T2	HARRIS, Ian	.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.2.0	Rel-6	T2	HARRIS, Ian	.
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. Upgrade on Rel-6 freeze
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.2.0	Rel-6	T2	BRENK, Lars	.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	6.7.0	Rel-6	S2	KUCHIBHOTLA, Ravi	.
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	6.0.0	Rel-6	N4	LOPEZ SORIA, Luis	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	6.0.0	Rel-6	N4	CONRAD, Alan	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.4.0	Rel-6	N4	HOMANN, Christian	.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.081	Line Identification supplementary services; Stage 2	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	RUSSELL, Nick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	RUSSELL, Nick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	6.0.0	Rel-6	N4	CROOK, Mick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.094	Follow Me Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.096	Name Identification Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	6.0.0	Rel-6	N4	RUSSELL, Nick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.101	General UMTS Architecture	6.0.0	Rel-6	S2	OLSSON, Magnus	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.107	Quality of Service (QoS) concept and architecture	6.2.0	Rel-6	S2	RINNE, Janne	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	N1	DOIG, Ian	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

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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. Upgrade on Rel-6 freeze
TS	23.116	Super-Charger technical realization; Stage 2	6.0.0	Rel-6	N4	ALLEN, Nicholas	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.119	Gateway Location Register (GLR); Stage2	6.0.0	Rel-6	N4	SAWADA, Masahiro	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	6.3.0	Rel-6	N1	HIETALAHTI, Hannu	.
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2	6.3.0	Rel-6	S2	BOMAN, Krister	SP-23: to be completed by SP-24.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	6.1.0	Rel-6	S2	GOURRAUD, Christophe	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6". 2004-0830: Intention is to withdraw Rel-6 at SP-26, in favour of 23.198. SP-26: This spec will be withdrawn SP-27.
TS	23.135	Multicall supplementary service; Stage 2	6.0.0	Rel-6	N4	MITAMURA, Kazuo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.8.0	Rel-6	T2	LAUMEN, Josef	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	N3	HAGIWARA, Junichiro	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.153	Out of Band Transcoder Control; Stage 2	6.0.0	Rel-6	N4	HODGES, Phil	.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	6.1.0	Rel-6	N3	HUSLENDE, Ragnar	.
TR	23.202	Circuit switched data bearer services	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	6.0.0	Rel-6	N4	HODGES, Phil	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.2.0	Rel-6	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	6.3.0	Rel-6	S2	DANIEL, Elizabeth	.
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	6.0.0	Rel-6	S2	HELLSTROM, Gunnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.8.0	Rel-6	S2	TOWLE, Thomas	SP-21: Envisage modifications to cater for PoC feature.
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	6.3.0	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. Upgrade on Rel-6 freeze
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.6.0	Rel-6	S2	KOSKINEN, Harri	SP-19: moved from Rel-5
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.5.0	Rel-6	S2	JARVIS, Andre	SP-15: from Rel-5.
TS	23.251	Network sharing; Architecture and functional description	6.2.0	Rel-6	S2	NILSSON, Ulf	.
TS	23.271	Functional stage 2 description of Location Services (LCS)	6.10.0	Rel-6	S2	WONG, Gavin	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	N4	REMOQUILLO, Angelica	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

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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	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	.
TR	23.877	Architectural aspects of speech-enabled services	6.0.0	Rel-6	S2	XUAN, Qing	. G2 & S4 will use results to see if any improvements are required in their specs
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	6.0.0	Rel-6	S2	PUDNEY, Chris	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	N4	KOZA, Yvette	.
TR	23.976	Push architecture	6.1.0	Rel-6	S2	ALFANO, Nicholas	.
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	6.1.0	Rel-6	S2	SEISER, Franz	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	6.0.0	Rel-6	S2	SULTANA, Shabnam	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	6.2.0	Rel-6	S2	MILINSKI, Alexander	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	6.3.0	Rel-6	N1	HOWELL, Andrew	.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.7.0	Rel-6	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	6.0.0	Rel-6	N4	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	6.0.0	Rel-6	N3	KLEHN, Norbert	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	6.2.0	Rel-6	N4	GARAPATY, Sonia	.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	6.0.0	Rel-6	N4	SCHMITT, Peter	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.072	Call Deflection Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	6.2.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.081	Line Identification Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.082	Call Forwarding supplementary service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	RUSSELL, Nick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	RUSSELL, Nick	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.087	User-to-User Signalling (UUS); Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	6.0.0	Rel-6	N4	BRUSS, Jörg	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.096	Name Identification Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details	6.1.0	Rel-6	N1	VARGA, József	.
TS	24.135	Multicall supplementary service; Stage 3	6.0.0	Rel-6	N4	MITAMURA, Kazuo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.2.0	Rel-6	N1	DRAGE, Keith	NP-26: Expect completion by NP-27.
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.1.0	Rel-6	N1	MAYER, Georg	.
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.5.1	Rel-6	N1	DRAGE, Keith	. fixes Word problem
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	6.1.1	Rel-6	N1	SITCH, Paul	. fixes Word problem
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.0.1	Rel-6	N1	MAYER, Georg	. Generated from v.2.0.0 on approval.
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	6.0.0	Rel-6	N1	DRAGE, Keith	.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.6.0	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)	6.8.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	6.8.0	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 for M.1457 update
TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	6.1.0	Rel-6	R4	SHEN, Donglin	.
TS	25.201	Physical layer - general description	6.1.0	Rel-6	R1	GERSTENBERGER, Dirk	created for M.1457 update
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.3.0	Rel-6	R1	PARKVALL, Stefan	created for M.1457 update
TS	25.212	Multiplexing and channel coding (FDD)	6.3.0	Rel-6	R1	MICHEL, Jürgen	created for M.1457 update
TS	25.213	Spreading and modulation (FDD)	6.1.0	Rel-6	R1	WILLENEGGER, Serge	created for M.1457 update

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TS	25.214	Physical layer procedures (FDD)	6.4.0	Rel-6	R1	BOUMENDIL, Sarah	created for M.1457 update
TS	25.215	Physical layer; Measurements (FDD)	6.1.0	Rel-6	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.2.0	Rel-6	R1	CHAPMAN, Thomas	created for M.1457 update
TS	25.222	Multiplexing and channel coding (TDD)	6.2.0	Rel-6	R1	BEALE, Martin	created for M.1457 update
TS	25.224	Physical layer procedures (TDD)	6.3.0	Rel-6	R1	RUDOLF, Marian	created for M.1457 update
TS	25.225	Physical layer; Measurements (TDD)	6.1.0	Rel-6	R1	CZAPLA, Liliana	created for M.1457 update
TS	25.301	Radio interface protocol architecture	6.1.0	Rel-6	R2	EKEMARK, Sven	created for M.1457 update
TS	25.302	Services provided by the physical layer	6.2.0	Rel-6	R2	MIHAILESCU, Claudiu	created for M.1457 update
TS	25.303	Interlayer procedures in Connected Mode	6.2.0	Rel-6	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	6.4.0	Rel-6	R2	BARRETO, Luis	created for M.1457 update
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	created for M.1457 update
TS	25.306	UE Radio Access capabilities definition	6.3.0	Rel-6	R2	BERGGREN, Anders	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	FAUCONNIER, Denis	.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	6.3.0	Rel-6	R2	KUCHIBHOTLA, Ravi	created for M.1457 update
TS	25.309	FDD enhanced uplink; Overall description; Stage 2	6.1.0	Rel-6	R2	GODARD, Tania	.
TS	25.321	Medium Access Control (MAC) protocol specification	6.3.0	Rel-6	R2	STADLER, Thomas	created for M.1457 update
TS	25.322	Radio Link Control (RLC) protocol specification	6.2.0	Rel-6	R2	HUS, Olivier	created for M.1457 update
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.0.0	Rel-6	R2	HANS, Martin	created for M.1457 update Required for update of ITU-R M.1457
TS	25.324	Broadcast/Multicast Control (BMC)	6.2.0	Rel-6	R2	HARTL, Mike	created for M.1457 update
TS	25.331	Radio Resource Control (RRC) protocol specification	6.4.0	Rel-6	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	6.3.0	Rel-6	R2	PIRSKANEN, Juho	.
TS	25.401	UTRAN overall description	6.5.0	Rel-6	R3	GODIN, Philippe	.
TS	25.402	Synchronisation in UTRAN Stage 2	6.1.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	6.2.0	Rel-6	R3	DIESEN, Michael	created for M.1457 update
TS	25.411	UTRAN Iu interface layer 1	6.1.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.412	UTRAN Iu interface signalling transport	6.1.0	Rel-6	R3	NG, Cheng Hock	created for M.1457 update
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	6.4.0	Rel-6	R3	GUYOT, Olivier	created for M.1457 update
TS	25.414	UTRAN Iu interface data transport & transport signalling	6.2.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.415	UTRAN Iu interface user plane protocols	6.1.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	6.2.0	Rel-6	R3	MCWILLIAMS, Brendan	created for M.1457 update
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	6.2.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.421	UTRAN Iur interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update Required for update of ITU-R M.1457
TS	25.422	UTRAN Iur interface signalling transport	6.0.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update Required for update of ITU-R M.1457
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.4.0	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	.

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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	6.1.0	Rel-6	R3	HAKULI, Tuomas	created for M.1457 update
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.3.0	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 Required for update of ITU-R M.1457
TS	25.432	UTRAN Iub interface: signalling transport	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update Required for update of ITU-R M.1457
TS	25.433	UTRAN Iub interface NBAP signalling	6.4.0	Rel-6	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	LAVASANI, Shahab	created for M.1457 update
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	6.0.0	Rel-6	R3	HAUSER, Alexander	created for M.1457 update Required for update of ITU-R M.1457
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 Required for update of ITU-R M.1457
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	6.7.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.460	UTRAN Iuant interface: General aspects and principles	6.1.0	Rel-6	R3	HAUSER, Andreas	.
TS	25.461	UTRAN Iuant interface: Layer 1	6.1.0	Rel-6	R3	KUNZ, Walter	.
TS	25.462	UTRAN Iuant interface: Signalling transport	6.1.0	Rel-6	R3	HAUSER, Andreas	.
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	6.1.0	Rel-6	R3	HAUSER, Andreas	.
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	6.0.0	Rel-6	R3	MILLER, James	.
TR	25.806	UMTS 1700/2100MHz Work Item	6.0.0	Rel-6	R4	NUMMINEN, Jussi	.
TR	25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)	6.0.0	Rel-6	R3	BURGOS MARTÍNEZ, Ana	.
TR	25.887	Beamforming enhancements	6.0.0	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	.
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	. RP-21: Agreed (RP-030511) to send this document to ITU-R WP8F, so it needs to be an externally published TR rather than 3GPP-internal. On closer inspection, it is full of illegal references to non-publicly-available documetns. So do not publish.
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	6.0.0	Rel-6	R1	BOUMENDIL, Sarah	.
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	25.898	Power control enhancements for UTRA	0.1.0	Rel-6	R1	MITRA, Diptendu	.
TR	25.899	High Speed Download 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	.
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	. Corrects typo on front cover.

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TR	25.931	UTRAN Functions, examples on signalling procedures	6.0.0	Rel-6	R3	CASALINO, Francesco	.
TR	25.942	Radio Frequency (RF) system scenarios	6.3.0	Rel-6	R4	BENABDALLAH, Nadia	.
TR	25.943	Deployment aspects	6.0.0	Rel-6	R4	SKÖLD, Johan	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, 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. Upgrade on Rel-6 freeze
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)	6.8.0	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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	26.074	AMR speech Codec; Test sequences	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	26.090	AMR speech Codec; Transcoding Functions	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	26.091	AMR speech Codec; Error concealment of lost frames	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	.
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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 Iu and Uu	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	.
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. Upgrade on Rel-6 freeze
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	6.1.0	Rel-6	S4	ARONSON, Barry	.
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. Upgrade on Rel-6 freeze
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	.

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TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	6.1.0	Rel-6	S4	CASTAGNO, Roberto	.
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	6.0.0	Rel-6	S4	HONKO, Harri	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; AdaptiveMulti-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. Upgrade on Rel-6 freeze
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	6.0.0	Rel-6	S4	EKUDDEN, Erik	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to Iu, Uu and Nb	6.0.0	Rel-6	S4	NAVARRO, William	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	6.0.0	Rel-6	S4	HELLSTROM, Gunnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	26.231	Cellular text telephone modem; Minimum performance requirements	6.0.0	Rel-6	S4	HELLSTROM, Gunnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.2.0	Rel-6	S4	FRANCESCHI, Olle	SP-19: CRs anticipated at SP-22. SP-21: Intend to split the Rel-6 spec into four separate specs.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.3.0	Rel-6	S4	OJALA, Pasi	.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	6.1.0	Rel-6	S4	OJALA, Pasi	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	.
TS	26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	6.2.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.245	Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format	6.1.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	6.0.0	Rel-6	S4	GRASSEL, Guido	.
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	6.1.0	Rel-6	S4	VAINIO, Janne	.
TS	26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code	6.1.0	Rel-6	S4	VAINIO, Janne	.
TS	26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	6.1.0	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	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	6.1.0	Rel-6	S4	KUNZ, Oliver	.
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	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	6.0.0	Rel-6	S4	VARSA, Viktor	.
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	6.0.0	Rel-6	S4	VAINIO, Janne	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TR	26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase	6.0.0	Rel-6	S4	USAI, Paolino	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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)	6.0.0	Rel-6	T2	HARRIS, Ian	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

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TS	27.007	AT command set for User Equipment (UE)	6.7.0	Rel-6	T2	VOTE, Nicola	.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	6.0.0	Rel-6	T2	RODERMUND, Friedhelm	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	6.0.0	Rel-6	N3	HAN, Seung Don	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	6.1.0	Rel-6	S4	SUERBAUM, Clemens	.
TS	29.002	Mobile Application Part (MAP) specification	6.8.0	Rel-6	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	6.0.0	Rel-6	N3	BELLING, Thomas	.
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)	6.4.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	29.011	Signalling Interworking for Supplementary Services	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	6.0.0	Rel-6	N1	DAWES, Peter	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	6.1.0	Rel-6	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.7.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	6.3.0	Rel-6	N3	HUSLENDE, Ragnar	.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.4.0	Rel-6	N4	NOLDUS, Rogier	.
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	6.1.0	Rel-6	R3	VESELY, Alexander	.
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	6.1.1	Rel-6	N4	LAITINEN, Lauri	. fixes word problem
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	6.0.0	Rel-6	N4	AIKAWA, Shinichiro	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	6.0.0	Rel-6	N4	MITAMURA, Kazuo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.140	Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3	6.0.0	Rel-6	T2	HABERMANN, Steffen	.
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	N3	RÄSÄNEN, Juha	.
TS	29.162	Interworking between the IM CN subsystem and IP networks	6.0.0	Rel-6	N3	HOLLAND, Nigel	Work item moved to Rel-6.
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.5.0	Rel-6	N3	BELLING, Thomas	NP-16: For earlier versions: see Rel-5. NP-19: amticipated to come under change control at NP-21.

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TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	6.4.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	6.4.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	6.4.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	6.4.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	6.2.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	6.2.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	6.1.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	6.0.0	Rel-6	N5	BAKKER, John-Luc	.

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TS	29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	6.1.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	6.1.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: User status	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	6.1.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	6.0.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	6.1.0	Rel-6	N5	BAKKER, John-Luc	.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	6.0.0	Rel-6	N4	ANGELO, Ciriaco	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	6.0.0	Rel-6	N4	HEIDERMARK, Alf	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.207	Policy control over Go interface	6.2.0	Rel-6	N3	RÄSÄNEN, Juha	.
TS	29.208	End to end Quality of Service (QoS) signalling flows	6.2.1	Rel-6	N3	SILLANPÄÄ, Anna	. correct numbering of notes
TS	29.209	Policy control over Gq interface	6.1.0	Rel-6	N3	SILLANPÄÄ, Anna	NP-26: Expected to be completed by NP-27.
TS	29.210	Charging rule provisioning over Gx interface	6.0.0	Rel-6	N3	RÄSÄNEN, Juha	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.5.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	6.3.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	.
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	6.2.0	Rel-6	N4	TAMMI, Kalle	.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	6.1.0	Rel-6	N4	SITCH, Paul	.
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	6.0.0	Rel-6	N4	REMOQUILLO, Angelica	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.4.0	Rel-6	N4	BERRY, Nigel. H	.
TS	29.329	Sh interface based on the Diameter protocol	6.3.0	Rel-6	N4	BERRY, Nigel. H	.
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mn interface; Stage 3	6.0.0	Rel-6	N4	SCHMITT, Peter	Anticipated change control at NP-22.
TS	29.414	Core network Nb data transport and transport signalling	6.0.0	Rel-6	N3	BELLING, Thomas	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

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TS	29.415	Core network Nb interface user plane protocols	6.0.0	Rel-6	N3	BELLING, Thomas	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	6.0.0	Rel-6	N1	HERRERO, Christian	.
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	6.0.0	Rel-6	N1	MAYER, Georg	.
TR	29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer	6.0.0	Rel-6	N4	YOUNG, Michael	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. Upgrade on Rel-6 freeze
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	6.1.0	Rel-6	N3	BELLING, Thomas	.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	.
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	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	N5	ABARCA, Chelo	.
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	6.0.0	Rel-6	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	N5	ABARCA, Chelo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	6.0.0	Rel-6	N4	WIEHE, Ulrich	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.4.1	Rel-6	T3	VESTERGAARD, Peter	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	6.8.0	Rel-6	T3	RUBON, Jean-Francois	TP-26: not yet ready to freeze.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.6.0	Rel-6	T3	VESTERGAARD, Peter	.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.4.0	Rel-6	T3	DUBOIS, Christophe	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	T3	N, A	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze

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TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.3.0	Rel-6	T3	N, A	.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	6.0.0	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.4.0	Rel-6	T3	MARTIN, Florence	SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.6.0	Rel-6	T3	MARTIN, Florence	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	T3	MAESER, Torsten	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	6.1.0	Rel-6	T3	JOLIVET, Paul	TP-20: Target for approval: TP-21.
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	RODERMUND, Friedhelm	.
TR	31.900	SIM/USIM internal and external interworking aspects	6.0.0	Rel-6	T3	KALINER, Stefan	.
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	6.1.0	Rel-6	T3	ANDRAU, Stéphane	.
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	.
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	6.3.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	TSE, Edwin	.
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.3.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	6.3.0	Rel-6	S5	ISLIP, John	SP-15: moved from Rel-5.
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	6.1.0	Rel-6	S5	ABA, Istvan	.
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	6.2.0	Rel-6	S5	TRUSS, Michael	.
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	6.1.0	Rel-6	S5	WIKBERG, Ove	.
TS	32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	WIKBERG, Ove	.
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	6.0.0	Rel-6	S5	GOERMER, Gerald	.

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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	6.1.0	Rel-6	S5	GOERMER, Gerald	2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	6.0.0	Rel-6	S5	ALEXANDER, Benni	.
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	6.1.0	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	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	.
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	6.1.0	Rel-6	S5	ALEXANDER, Benni	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	6.1.0	Rel-6	S5	TSE, Edwin	.
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	6.1.0	Rel-6	S5	TSE, Edwin	.
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	6.1.0	Rel-6	S5	TSE, Edwin	.
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)	6.1.0	Rel-6	S5	TSE, Edwin	.

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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) (NL) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
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	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	RUI, Lanlan	.
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	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	.
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	LI, Yewen	.
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	LI, Yewen	.
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	.
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	LI, Yewen	.
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	6.2.0	Rel-6	S5	LI, Yewen	.
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	LI, Yewen	.
TS	32.371	Telecommunication management; Security Management concept and requirements	6.1.0	Rel-6	S5	YANG, Li	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.4.0	Rel-6	S5	HÜBINETTE, Ulf	.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.6.0	Rel-6	S5	TOCHE, Christian	.
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	6.3.0	Rel-6	S5	HÜBINETTE, Ulf	.

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TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	6.3.0	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)	6.3.0	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	6.5.0	Rel-6	S5	KORINEK, Frank	.
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management	6.1.0	Rel-6	S5	RAO, Mohan	.
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	6.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.432	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)	6.0.0	Rel-6	S5	RAO, Mohan	.
TS	32.435	Telecommunications management; Performance measurement: eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.436	Telecommunications 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	.
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	6.1.0	Rel-6	S5	PIRT, Trevor	.
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	TSE, Edwin	.
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	6.1.1	Rel-6	S5	PAL, Tapinder	.
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	6.1.0	Rel-6	S5	PIRT, Trevor	.

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TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	PIRT, Trevor	.
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.1	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	6.1.0	Rel-6	S5	TOCHE, Christian	.
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	.
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.3.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.3.0	Rel-6	S5	PIRT, Trevor	.
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	.
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.3.0	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	.
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.1.0	Rel-6	S5	PAL, Tapinder	.
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	PAL, Tapinder	.
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.1.0	Rel-6	S5	TOCHE, Christian	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	.

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TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.3.0	Rel-6	S5	PETERSEN, Robert	.
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.3.0	Rel-6	S5	PIRT, Trevor	.
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.2.0	Rel-6	S5	TOCHE, Christian	.
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	.
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.0.0	Rel-6	S5	PETERSEN, Robert	.
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	.
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	.
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	6.2.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	6.3.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.3.0	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)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.

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TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	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	.
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. Upgrade on Rel-6 freeze
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	.
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	.
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	.
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	.
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	6.0.0	Rel-6	S5	PAL, Tapinder	. XML schema available 2004-11-02
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	.

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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	.
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	6.0.0	Rel-6	S5	MUDGE, John	.
TR	32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	6.0.0	Rel-6	S5	GOERMER, Gerald	. SP-21: S5 is asked to eliminate multiple options in §5.1.
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	.
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	6.0.0	Rel-6	S3	ESCOTT, Adrian	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	33.203	3G security; Access security for IP-based services	6.5.0	Rel-6	S3	BOMAN, Krister	.
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.5.0	Rel-6	S3	KOIEN, Geir	.
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	6.3.0	Rel-6	S3	HAUKKA, Tao	.
TS	33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	6.2.0	Rel-6	S3	HAUKKA, Tao	.
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	6.2.0	Rel-6	S3	SAHLIN, Bengt	.
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	6.3.0	Rel-6	S3	LOPEZ SORIA, Luis	.
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	6.1.0	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	.

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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	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	YAQUB, Raziq	.
TR	33.919	Generic Authentication Architecture (GAA); System description	6.1.0	Rel-6	S3	VAN MOFFAERT, Annelies	.
TR	33.941	Presence service; Security	0.6.0	Rel-6	S3	BOMAN, Krister	.
TS	34.109	Terminal logical test interface; Special conformance testing functions	6.0.0	Rel-6	R2	BERGGREN, Anders	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	6.0.0	Rel-6	R4	SOERENSEN, Ole	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	RODERMUND, Friedhelm	.
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	6.0.0	Rel-6	S3	WALKER, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	6.0.0	Rel-6	S3	WALKER, Michael	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	6.0.0	Rel-6	SP	MEREDITH, John M	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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. Upgrade on Rel-6 freeze
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	6.0.0	Rel-6	S1	KOKKOLA, Tommi	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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	.
TR	43.005	Technical performance objectives	6.0.0	Rel-6	NP	BOSWARTHICK, David	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	6.0.0	Rel-6	N3	HAN, Seung Don	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	6.0.0	Rel-6	T3	DIETRICH, Christian	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.1.0	Rel-6	G1	HOWELL, Andrew	.
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. Upgrade on Rel-6 freeze
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	6.0.0	Rel-6	N3	HAN, Seung Don	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	6.0.0	Rel-6	G1	SÉBIRE, Guillaume	.
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.7.0	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. Upgrade on Rel-6 freeze
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	6.3.0	Rel-6	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	6.1.0	Rel-6	N1	GARAPATY, Sonia	.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	6.0.0	Rel-6	G2	HEDBY, Gunnar	.
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2	6.1.0	Rel-6	G1	PROVVEDI, Leonardo	.
TR	43.901	Feasibility Study on generic access to A/Gb interface	6.0.0	Rel-6	G1	KUCHIBHOTLA, Ravi	. (invalid pirate version seen at SP-25)
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	.
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	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/WG	Editor	Comment
TS	44.013	Performance Requirements on Mobile Radio Interface	6.0.0	Rel-6	N1	DAWES, Peter	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.10.1	Rel-6	G2	HOWELL, Andrew	. fixes wrong styles
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	6.0.0	Rel-6	N3	RÄSÄNEN, Juha	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.6.0	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	N1	HUPPERICH, Peter	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	6.0.0	Rel-6	N1	HUPPERICH, Peter	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.10.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	6.0.1	Rel-6	N1	DOIG, Ian	. fixes Word problem
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	6.3.0	Rel-6	N1	DOIG, Ian	.
TS	44.068	Group Call Control (GCC) Protocol	6.0.0	Rel-6	N1	GARAPATY, Sonia	.
TS	44.069	Broadcast Call Control (BCC) protocol	6.0.0	Rel-6	N1	GARAPATY, Sonia	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	.
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	6.7.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.003	Channel coding	6.6.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	6.7.0	Rel-6	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	6.10.0	Rel-6	G1	EL-SAIGH, Amer	.
TS	45.009	Link adaptation	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TS	45.010	Radio subsystem synchronization	6.3.0	Rel-6	G1	JOKINEN, Harri	.
TR	45.050	Background for RF Requirements	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811.
TR	45.902	Flexible Layer One (FLO)	6.7.0	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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
TR	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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze
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. Upgrade on Rel-6 freeze

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
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	6.7.0	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	6.1.0	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	6.6.0	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	N3	RÄSÄNEN, Juha	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	6.7.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	6.0.0	Rel-6	N1	FARHOUMAND, Rouzbeh	Rel-6 record created on freezing the Release, December 2004. Upgrade on Rel-6 freeze
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	6.0.1	Rel-6	G3new	HU, Shicheng	. corrects error in headers
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	6.0.0	Rel-6	G3new	HU, Shicheng	.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	6.0.0	Rel-6	G3new	HU, Shicheng	.
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	6.2.0	Rel-6	G1	BUSIN, Ake	.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	6.0.0	Rel-6	S5	RONKA, Kari	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	6.0.0	Rel-6	S5	TOCHE, Christian	.
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	.
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	6.2.0	Rel-6	S3	N, A	.
TS	55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	6.1.0	Rel-6	S3	N, A	.
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	.

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	.

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. inherited from Rel-5
TS	23.198	Open Service Access (OSA); Stage 2	1.0.0	Rel-6	N5	GOURRAUD, Christophe	Anticipate v1.0.0 at NP-26. NP-26: Anticipate approval NP-27. NP-040488
TR	23.801	Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements	1.0.0	Rel-6	S2	PUDNEY, Chris	. SP-040336
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	1.0.0	Rel-6	S2	DAMIDAUX, Jean-louis	SP-26: May turn out to be Rel-7, may be clearer at SP-27. SP-030311
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	. inc S2-031533
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.7.1	Rel-6	S2	LIEBHART, Rainer	SP-26: Estimate approval at SP-28.
TR	23.899	Combining Circuit Switched (CS) bearers with IP Multimeida Subsystem (IMS)	1.0.0	Rel-6	S2	WATSON, Mark	. SP-040748
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. SP-020536
TS	24.167	3GPP IMS Management Object (MO); Stage 3	1.0.0	Rel-6	N1	MONRAD, Atle	. NP-040499
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	0.5.0	Rel-6	N4	KYMALAINEN, Kimmo	2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be. T2-030570
TR	25.803	S-CCPCH performance for MBMS	1.4.1	Rel-6	R1	MALLADI, Durga	2003-06-25: anticipate approval at RP-22.
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	1.0.0	Rel-6	R1	RUDOLF, Marian	RP-25: estimate approval RP-26. RP-040516 ex R1-041539
TR	25.805	DS-CDMA introduction in the 800 MHz band	0.3.0	Rel-6	R4	NAKAMURA, Takehiro	. claims to be a "draft"
TR	25.808	FDD enhanced uplink; Physical layer aspects	1.0.0	Rel-6	R1	RANTA-AHO, Karri	. RP-040530
TR	25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN	0.0.0	Rel-6	R3	GODIN, Philippe	. Inherited from Rel-4.
TR	25.862	RAB support for IMS	1.2.0	Rel-6	R2	MIKOLA, Juha	. R2-041914
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	.
TS	26.273	Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	1.0.0	Rel-6	S4	VAINIO, Janne	. SP-040425
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	1.5.0	Rel-6	S4	CURCIO, Igor	SP-22: v1.0.0 had been expected this mtg, but at least 3 months delay expected. SP-040832 ex S4-33 S4-040859
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	0.0.2	Rel-6	S4	LOHMAR, Thorsten	.
TS	29.211	Rx interface for Flow Based Charging (FBC)	1.0.0	Rel-6	N3	HUSLENDE, Ragnar	. NP-040567 ex N3-040879
TS	29.240	Generic User Profile (GUP); Stage 3; Network	1.0.0	Rel-6	N4	KAUNTOLA, Seppo	2003-03-05: Delayed from Rel-5. NP-040538
TR	30.531	Work Plan and Study Items - RAN WG3	0.11.0	Rel-6	R3	KRAUSE, Joern	Continues work started in R99 document. R3-030923

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	31.124	Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	1.0.0	Rel-6	T3	LAFFONT, Eric	To contain contents for all prior Releases. TP-040271
TS	32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	1.0.0	Rel-6	S5	SCHMIDT, Joerg	. SP-040792
TS	32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	0.3.1	Rel-6	S5	ABA, Istvan	SP-26: Expected to be approved SP-27. S5-052007
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	0.2.1	Rel-6	S5	GOERMER, Gerald	. S5-044256 - history box claims odd curious version numbers, not to be believed
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	0.2.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	1.0.0	Rel-6	S5	GOERMER, Gerald	. SP-030413
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	. SP-040564
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	. SP-030426
TS	34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	1.0.0	Rel-6	T1	CATMUR, Richard	Initial intention: for info TP-26, approval TP-28. TP-040240
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	1.3.0	Rel-6	G2	GESSNER, Christina	.
TR	50.099	GERAN project plan and open issues	0.4.6	Rel-6	GP	GRANT, Marc	2003-01-14: Fel-5 frozen, so migrated to Rel-6. GP-042836

D.7 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
TR	21.900	Technical Specification Group working methods	7.0.0	Rel-7	SP	MEREDITH, John M	.
TS	22.011	Service accessibility	7.0.0	Rel-7	S1	IBIDUN, Kunle	.
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	7.0.0	Rel-7	S1	IGNATIUS, Jan	.
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	7.2.0	Rel-7	S1	CARPENTER, Paul	.
TS	22.071	Location Services (LCS); Stage 1	7.1.0	Rel-7	S1	DEOL, Amar	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	7.2.0	Rel-7	S1	GRECH, Michel	.
TS	22.101	Service aspects; Service principles	7.0.0	Rel-7	S1	DEOL, Amar	.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	7.0.0	Rel-7	S1	CATALDO, Mark	.
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	7.0.0	Rel-7	S1	BOOTE, Michael	.
TR	22.936	Behaviour of multi-system terminals	0.2.0	Rel-7	S1	WILLIAMS, David Hugh	.

Type	Number	Title	Ver at TSG#26	Rel	TSG/ WG	Editor	Comment
TS	22.953	Multimedia priority service feasibility study	0.3.0	Rel-7	S1	GARRAHAN, James	. S1-040698
TS	22.978	All-IP network (AIPN) feasibility study	1.0.0	Rel-7	S1	SACHNO, Chris	. SP-040739
TS	22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	1.0.0	Rel-7	S1	FRANK, Robert	. SP-040740 for approval; but SP-26 did not approve, since not urgent
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	7.0.0	Rel-7	N1	HIETALAHTI, Hannu	.
TR	23.802	Architectural enhancements for end-to-end Quality of Service (QoS)	0.3.0	Rel-7	S2	JAKSA, Robert	SP-26: Estimate approval at SP-28.
TR	23.803	Evolution of policy control and charging	0.0.1	Rel-7	S2	BERTENYI, Balazs	.
TR	23.804	Support of SMS and MMS over generic 3GPP IP access	0.2.0	Rel-7	S2	ZHANG, Wenlin	.
TR	32.805	Telecommunication management; Process guide; Backward compatibility recommendations	6.0.0	Rel-7	S5	TSE, Edwin	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	7.1.0	Rel-7	S1	CLAYTON, Michael	.
TR	43.935	Feasibility study of enhanced support for video telephony service over GERAN via the A interface	0.1.0	Rel-7	G1	ERIKSSON, Stefan	.

Annex E: List of Change Requests and their status after TSG SA Meeting #26

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040726	21.905	059	-	6.7.0	Rel-6	Definition of Radio Access Technology	rejected	F		TEI6
SP-040734	22.038	025	-	7.1.0	Rel-7	Extention of the USAT bearers	approved	B	7.2.0	WLAN
SP-040735	22.071	071	-	7.0.0	Rel-7	Introducing A-GNSS concept to extend A-GPS to include GALILEO	postponed	C		A-GNSS
SP-040735	22.071	072	-	7.0.0	Rel-7	Velocity Service Description	revised	C		LCS-R7
SP-040907	22.071	072	1	7.0.0	Rel-7	Velocity Service Description	approved	C	7.1.0	LCS-R7
SP-040736	22.078	178	-	7.1.0	Rel-7	Interworking between CAMEL and SCUDIF	approved	A	7.2.0	SCUDIF
SP-040725	22.101	155	-	3.17.0	R99	USIM support by 2G terminals	rejected	F		TEI
SP-040725	22.101	156	-	4.10.0	Rel-4	USIM support by 2G terminals	rejected	A		TEI4
SP-040727	22.127	072	-	6.6.0	Rel-6	Delete Requirements for User-Application Authentication functions"	approved	F	6.7.0	OSA3
SP-040727	22.127	073	-	6.6.0	Rel-6	Delete Requirements for User Data Management (OSA support for GUP)"	approved	F	6.7.0	OSA3
SP-040727	22.127	074	-	6.6.0	Rel-6	Delete Requirements for IP session function"	approved	F	6.7.0	OSA3
SP-040728	22.141	018	-	6.2.1	Rel-6	Delete Requirements for IP session function	approved	F	6.3.0	OSA3
SP-040729	22.228	026	-	6.6.0	Rel-6	IMS Support of CS services	approved	F	6.7.0	IMS2
SP-040737	22.234	010	-	6.2.0	Rel-7	New features of I-WLAN	approved	B	7.0.0	WLAN-SC
SP-040730	22.240	007	-	6.4.0	Rel-6	Removal of erroneous use cases	approved	F	6.5.0	GUP
SP-040731	22.242	003	-	6.2.0	Rel-6	Removing text in DRM stage 1 specification and reference OMA RD	revised	F		DRM
SP-040906	22.242	003	1	6.2.0	Rel-6	Removing text in DRM stage 1 specification and reference OMA RD	revised	F		DRM
SP-040732	22.950	009	-	6.3.0	Rel-6	Priority Service optional support for Emergency Service	approved	F	6.4.0	PRIOR
SP-040733	22.952	004	-	6.1.0	Rel-6	Priority Service optional support for Emergency Service	approved	F	6.2.0	PRIOR
SP-040738	42.068	006	-	7.0.0	Rel-7	Sending SMS to a Voice Group Call	approved	F	7.1.0	EGCS
SP-040738	42.068	007	-	7.0.0	Rel-7	Sending a SMS to a Group	rejected	B		EGCS

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040750	23.002	145	-	6.5.0	Rel-6	Floor control	approved	F	6.6.0	IMS2
SP-040750	23.002	146	-	6.5.0	Rel-6	Removing GPS specifity for SAS to unify with RAN Technical Specifications	approved	F	6.6.0	LCS2
SP-040751	23.060	513	1	6.6.0	Rel-6	Transfer of selected core network operator identity between SGSN and MSC/VLR	approved	F	6.7.0	NTSHAR
SP-040751	23.060	516	2	6.6.0	Rel-6	Handling of preserved Real Time PDP context	approved	F	6.7.0	TEI6
SP-040751	23.060	518	3	6.6.0	Rel-6	Management Based Activation Impacts	approved	F	6.7.0	OEM-TRACE
SP-040752	23.107	152	1	5.12.0	Rel-5	Clarification on delivery order set to no	revised	F		TEI5
SP-030895	23.107	152	2	5.12.0	Rel-5	Clarification on delivery order set to no	revised	F		TEI5
SP-040912	23.107	152	3	5.12.0	Rel-5	Clarification on delivery order set to no	approved	F	5.13.0	TEI5
SP-040752	23.107	153	1	6.1.0	Rel-6	Clarification on delivery order set to no	revised	F		TEI6
SP-030895	23.107	153	2	6.1.0	Rel-6	Clarification on delivery order set to no	revised	A		TEI-6

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040912	23.107	153	3	6.1.0	Rel-6	Clarification on delivery order set to no	approved	A	6.2.0	TEI6
SP-040875	23.125	076	1	6.2.0	Rel-6	Adding service information to charging rule	rejected	F		CH-FBC
SP-040753	23.125	078	3	6.2.0	Rel-6	CCF/OCS address clarifications	approved	F	6.3.0	CH-FBC
SP-040753	23.125	079	1	6.2.0	Rel-6	Connection maintenance	approved	F	6.3.0	CH-FBC
SP-040753	23.125	080	1	6.2.0	Rel-6	Modification of charging rules	approved	F	6.3.0	CH-FBC
SP-040875	23.125	082	2	6.2.0	Rel-6	Granularity of charging data collection	rejected	F		CH-FBC
SP-040753	23.125	083	2	6.2.0	Rel-6	Clarify that SGSN event is MCC/MNC related	approved	F	6.3.0	CH-FBC
SP-040753	23.125	085	2	6.2.0	Rel-6	Clarify the handling of PDP contexts	approved	F	6.3.0	CH-FBC
SP-040753	23.125	086	2	6.2.0	Rel-6	Clarify that Charging Rules apply on a per PDP context basis	approved	F	6.3.0	CH-FBC
SP-040753	23.125	088	1	6.2.0	Rel-6	CRF addressing	approved	F	6.3.0	CH-FBC
SP-040753	23.125	089	1	6.2.0	Rel-6	Removal of FFS notes	approved	D	6.3.0	CH-FBC
SP-040753	23.125	091	2	6.2.0	Rel-6	Clarify the terminology related to instances	approved	F	6.3.0	CH-FBC
SP-040753	23.125	092	1	6.2.0	Rel-6	Clarification of Credit Pooling	approved	F	6.3.0	CH-FBC
SP-040753	23.125	093	-	6.2.0	Rel-6	Clarify that CRF is responsible for policy control functions in FBC	approved	F	6.3.0	CH-FBC
SP-040753	23.125	094	3	6.2.0	Rel-6	selecting the charging rule	approved	F	6.3.0	CH-FBC
SP-040753	23.125	095	1	6.2.0	Rel-6	Security considerations between CRF and AF	approved	B	6.3.0	CH-FBC
SP-040753	23.125	096	1	6.2.0	Rel-6	Selection of the appropriate CRF by a TPF for a user in GPRS.	approved	B	6.3.0	CH-FBC
SP-040753	23.125	098	1	6.2.0	Rel-6	Clarification of volume and time based charging	approved	F	6.3.0	CH-FBC
SP-040753	23.125	099	2	6.2.0	Rel-6	clarification of online charging procedure	approved	F	6.3.0	CH-FBC
SP-040753	23.125	101	-	6.2.0	Rel-6	Update of bearer termination message flow	approved	F	6.3.0	CH-FBC
SP-040875	23.125	102	2	6.2.0	Rel-6	Reporting and credit management granularity	rejected	F		CH-FBC
SP-040882	23.125	102	4	6.2.0	Rel-6	Reporting and credit management granularity	approved	F	6.3.0	CH-FBC
SP-040753	23.125	103	2	6.2.0	Rel-6	Updates to Rx handling	approved	C	6.3.0	CH-FBC
SP-040754	23.228	446	3	6.7.0	Rel-6	Treatment of SIP forking request	withdrawn	F		IMS2
SP-040896	23.228	446	3	6.7.0	Rel-6	Treatment of SIP forking request	approved	F	6.8.0	IMS2
SP-040754	23.228	447	1	6.7.0	Rel-6	Floor control	withdrawn	F		IMS2
SP-040896	23.228	447	1	6.7.0	Rel-6	Floor control	approved	F	6.8.0	IMS2
SP-040754	23.228	448	1	6.7.0	Rel-6	Clarification of which origination and termination procedures can be used to construct end to end session flows	withdrawn	F		IMS2
SP-040754	23.228	449	1	6.7.0	Rel-6	Put the non-IMS SIP network interworking scenarios in the correct clauses	withdrawn	F		IMS2
SP-040754	23.228	450	1	6.7.0	Rel-6	Clarify that IMS end-points shall be able to support sending or receiving DTMF tone indications	withdrawn	F		IMS2
SP-040896	23.228	450	1	6.7.0	Rel-6	Clarify that IMS end-points shall be able to support sending or receiving DTMF tone indications	approved	F	6.8.0	IMS2
SP-040896	23.228	451	1	6.7.0	Rel-6	"Clarification of which endpoints may be involved in Session Redirects and	approved	F	6.8.0	IMS2
SP-040754	23.228	451	1	6.7.0	Rel-6	"Clarification of which endpoints may be involved in Session Redirects and	withdrawn	F		IMS2
SP-040896	23.228	452	3	6.7.0	Rel-6	Addition of Application Server termination section	approved	F	6.8.0	IMS2
SP-040754	23.228	452	3	6.7.0	Rel-6	Addition of Application Server termination section	withdrawn	F		IMS2
SP-040896	23.228	453	4	6.7.0	Rel-6	Revision of session set-up from external SIP client	approved	F	6.8.0	IMS2
SP-040754	23.228	453	4	6.7.0	Rel-6	Revision of session set-up from external SIP client	withdrawn	F		IMS2
SP-040896	23.228	454	1	6.7.0	Rel-6	Various editorial corrections	approved	D	6.8.0	IMS2
SP-040754	23.228	454	1	6.7.0	Rel-6	Various editorial corrections	withdrawn	D		IMS2
SP-040896	23.228	455	-	6.7.0	Rel-6	Missing step in identity procedure	approved	F	6.8.0	IMS2
SP-040754	23.228	455	-	6.7.0	Rel-6	Missing step in identity procedure	withdrawn	F		IMS2
SP-040754	23.228	456	-	6.7.0	Rel-6	Correction to PSTN Termination	withdrawn	F		IMS2
SP-040896	23.228	456	-	6.7.0	Rel-6	Correction to PSTN Termination	approved	F	6.8.0	IMS2
SP-040896	23.228	458	1	6.7.0	Rel-6	Removal of support for local services	approved	F	6.8.0	IMS2
SP-040754	23.228	458	1	6.7.0	Rel-6	Removal of support for local services	withdrawn	F		IMS2
SP-040896	23.228	459	-	6.7.0	Rel-6	Removal of Editor's Note on ISC	approved	F	6.8.0	IMS2
SP-040754	23.228	459	-	6.7.0	Rel-6	Removal of Editor's Note on ISC	withdrawn	F		IMS2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040754	23.228	460	-	6.7.0	Rel-6	Changes to SIP URL terminology	withdrawn	F		IMS2
SP-040896	23.228	460	-	6.7.0	Rel-6	Changes to SIP URL terminology	approved	F	6.8.0	IMS2
SP-040896	23.228	461	2	6.7.0	Rel-6	Reorganization and clarification of session flows	approved	F	6.8.0	IMS2
SP-040754	23.228	461	2	6.7.0	Rel-6	Reorganization and clarification of session flows	withdrawn	F		IMS2
SP-040754	23.228	462	1	6.7.0	Rel-6	Changes for commonality in regards to token generation	withdrawn	F		IMSCOOP
SP-040896	23.228	462	1	6.7.0	Rel-6	Changes for commonality in regards to token generation	approved	F	6.8.0	IMSCOOP
SP-040754	23.228	464	1	6.7.0	Rel-6	Tel-URI related reference updates	withdrawn	D		IMS2
SP-040896	23.228	464	1	6.7.0	Rel-6	Tel-URI related reference updates	approved	D	6.8.0	IMS2
SP-040896	23.228	465	-	5.12.0	Rel-5	Forward HSS name	approved	F	6.8.0	IMS-CCR
SP-040754	23.228	465	-	5.12.0	Rel-5	Forward HSS name	withdrawn	F		IMS-CCR
SP-040896	23.228	466	-	6.7.0	Rel-6	Forward HSS name	approved	A	6.8.0	IMS-CCR
SP-040754	23.228	466	-	6.7.0	Rel-6	Forward HSS name	withdrawn	A		IMS-CCR
SP-040896	23.228	467	1	6.7.0	Rel-6	Informing AS on Registration	approved	F	6.8.0	IMS2
SP-040754	23.228	467	1	6.7.0	Rel-6	Informing AS on Registration	withdrawn	F		IMS2
SP-040755	23.234	062	2	6.2.0	Rel-6	Enhancements of Wd Interface	approved	F	6.3.0	WLAN
SP-040755	23.234	083	2	6.2.0	Rel-6	Charging in WLAN interworking architecture	approved	F	6.3.0	WLAN
SP-040755	23.234	086	6	6.2.0	Rel-6	Correction of online charging disconnect procedure	approved	F	6.3.0	WLAN
SP-040755	23.234	087	1	6.2.0	Rel-6	Clarification on network selection	approved	F	6.3.0	WLAN
SP-040755	23.234	088	-	6.2.0	Rel-6	Clarification on Wm reference point	approved	F	6.3.0	WLAN
SP-040755	23.234	089	1	6.2.0	Rel-6	Correction of multiple service authorization requirement	approved	F	6.3.0	WLAN
SP-040755	23.234	090	2	6.2.0	Rel-6	Removal of WLAN UE registration at tunnel establishment	approved	F	6.3.0	WLAN
SP-040755	23.234	091	1	6.2.0	Rel-6	Providing configuration parameter to the WLAN UE during tunnel establishment	approved	F	6.3.0	WLAN
SP-040755	23.234	092	-	6.2.0	Rel-6	Correction of references	approved	F	6.3.0	WLAN
SP-040755	23.234	093	1	6.2.0	Rel-6	Removing tunnel redirection option	approved	F	6.3.0	WLAN
SP-040755	23.234	094	1	6.2.0	Rel-6	Revision of PLMN selection procedure	approved	F	6.3.0	WLAN
SP-040755	23.234	095	2	6.2.0	Rel-6	Revision of Ww reference point definition	approved	F	6.3.0	WLAN
SP-040755	23.234	097	3	6.2.0	Rel-6	Supplement to the subscriber profile procedure	approved	F	6.3.0	WLAN
SP-040755	23.234	099	1	6.2.0	Rel-6	Addition of reference	approved	F	6.3.0	WLAN
SP-040755	23.234	100	1	6.2.0	Rel-6	Clarification of the procedure to disconnect the last tunnel	approved	F	6.3.0	WLAN
SP-040755	23.234	101	-	6.2.0	Rel-6	Remove duplicated charging requirement for the PDG	approved	F	6.3.0	WLAN
SP-040755	23.234	102	3	6.2.0	Rel-6	Consistant Wording, Spacing, and Grammar Readability Changes	approved	D	6.3.0	WLAN
SP-040755	23.234	104	3	6.2.0	Rel-6	Rewording Readability Changes Section 1	approved	F	6.3.0	WLAN
SP-040755	23.234	105	3	6.2.0	Rel-6	Rewording Readability Changes Section 3	approved	F	6.3.0	WLAN
SP-040755	23.234	107	3	6.2.0	Rel-6	Section 5 Reordering	approved	F	6.3.0	WLAN
SP-040755	23.234	109	2	6.2.0	Rel-6	3GPP WLAN User profile Update	approved	F	6.3.0	WLAN
SP-040755	23.234	110	1	6.2.0	Rel-6	Removal of unused references.	approved	F	6.3.0	WLAN
SP-040755	23.234	111	1	6.2.0	Rel-6	Redraw of diagrams in section 7	approved	D	6.3.0	WLAN
SP-040755	23.234	112	2	6.2.0	Rel-6	Editorial corrections	approved	D	6.3.0	WLAN
SP-040755	23.234	113	1	6.2.0	Rel-6	Correction on Annex E	approved	F	6.3.0	WLAN
SP-040756	23.236	013	1	5.2.0	Rel-5	Clarification of NRI position within (P)-TMSI	withdrawn	F		TEI5
SP-040900	23.236	013	2	5.2.0	Rel-5	Clarification of NRI position within (P)-TMSI	approved	F	5.3.0	TEI
SP-040756	23.236	014	1	5.2.0	Rel-5	Clarification of BSC behaviour in Gb-flex	withdrawn	F		TEI5
SP-040900	23.236	014	2	5.2.0	Rel-5	Clarification of BSC behaviour in Gb-flex	approved	F	5.3.0	TEI5
SP-040757	23.240	025	-	6.5.0	Rel-6	Removal of UE as GUP Data Repository	approved	F	6.6.0	GUP
SP-040904	23.246	072	7	6.4.0	Rel-6	MBMS Broadcast Session Stop Procedure	approved	F	6.5.0	MBMS
SP-040758	23.246	072	7	6.4.0	Rel-6	MBMS Broadcast Session Stop Procedure	withdrawn	F		MBMS
SP-040904	23.246	096	5	6.4.0	Rel-6	Clarification of BM-SC functions	approved	F	6.5.0	MBMS
SP-040758	23.246	096	5	6.4.0	Rel-6	Clarification of BM-SC functions	withdrawn	F		MBMS

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040904	23.246	105	2	6.4.0	Rel-6	Change between supporting and non-supporting SGSN	approved	F	6.5.0	MBMS
SP-040758	23.246	105	2	6.4.0	Rel-6	Change between supporting and non-supporting SGSN	withdrawn	F		MBMS
SP-040758	23.246	108	1	6.4.0	Rel-6	Clarification of MBMS Service Area definition	withdrawn	F		MBMS
SP-040904	23.246	108	1	6.4.0	Rel-6	Clarification of MBMS Service Area definition	approved	F	6.5.0	MBMS
SP-040758	23.246	110	3	6.4.0	Rel-6	MBMS Architecture Modification - CBC Part	withdrawn	F		MBMS
SP-040904	23.246	110	3	6.4.0	Rel-6	MBMS Architecture Modification – CBC (cell broadcast centre) Part	approved	F	6.5.0	MBMS
SP-040758	23.246	111	3	6.4.0	Rel-6	How to Avoid Overloading the Central Server after Sending Service Announcement	withdrawn	F		MBMS
SP-040904	23.246	111	3	6.4.0	Rel-6	How to avoid overloading the central server after sending service announcement	approved	F	6.5.0	MBMS
SP-040758	23.246	112	2	6.4.0	Rel-6	Correction for MBMS Multicast Deactivation Procedure	withdrawn	F		MBMS
SP-040904	23.246	112	2	6.4.0	Rel-6	Correction for MBMS Multicast Dectivation Procedure	approved	F	6.5.0	MBMS
SP-040904	23.246	115	2	6.4.0	Rel-6	Corrections for Inter SGSN Serving RNS Relocation & Routing Area Update Cases	approved	F	6.5.0	MBMS
SP-040758	23.246	115	2	6.4.0	Rel-6	Corrections for Inter SGSN Serving RNS Relocation & Routing Area Update Cases	withdrawn	F		MBMS
SP-040904	23.246	117	1	6.4.0	Rel-6	Guaranteed bitrate for Streaming MBMS	approved	F	6.5.0	MBMS
SP-040758	23.246	117	1	6.4.0	Rel-6	Guaranteed bitrate for Streaming MBMS	withdrawn	F		MBMS
SP-040758	23.246	119	2	6.4.0	Rel-6	Correction on MBMS Multicast Service Deactivation procedure	withdrawn	F		MBMS
SP-040904	23.246	119	2	6.4.0	Rel-6	Correction on MBMS Multicast Service Deactivation procedure	approved	F	6.5.0	MBMS
SP-040904	23.246	122	2	6.4.0	Rel-6	Charging Related Correction for MBMS	approved	F	6.5.0	MBMS
SP-040758	23.246	122	2	6.4.0	Rel-6	MBMS Charging Related Correction	withdrawn	F		MBMS
SP-040904	23.246	123	1	6.4.0	Rel-6	MBMS Architecture Related Correction	approved	F	6.5.0	MBMS
SP-040758	23.246	123	1	6.4.0	Rel-6	MBMS Architecture Related Correction	withdrawn	F		MBMS
SP-040758	23.246	124	1	6.4.0	Rel-6	General editorial correction for MBMS	withdrawn	D		MBMS
SP-040904	23.246	124	1	6.4.0	Rel-6	General editorial correction for MBMS	approved	D	6.5.0	MBMS
SP-040904	23.246	126	2	6.4.0	Rel-6	Separate MBMS Sessions for 2G and 3G for same MBMS Bearer Service	approved	F	6.5.0	MBMS
SP-040758	23.246	126	2	6.4.0	Rel-6	Separate MBMS Sessions for 2G and 3G for same MBMS Bearer Service	withdrawn	F		MBMS
SP-040904	23.246	129	3	6.4.0	Rel-6	MBMS UE context synchronisation	approved	F	6.5.0	MBMS
SP-040758	23.246	129	3	6.4.0	Rel-6	MBMS UE context synchronisation	withdrawn	F		MBMS
SP-040758	23.246	131	1	6.4.0	Rel-6	Delaying data transfer at session start	withdrawn	F		MBMS
SP-040904	23.246	131	1	6.4.0	Rel-6	Delaying data transfer at session start	approved	F	6.5.0	MBMS
SP-040758	23.246	133	2	6.4.0	Rel-6	List of number of PMM-IDLE UEs per RA parameter for RAN	withdrawn	F		MBMS
SP-040904	23.246	133	2	6.4.0	Rel-6	List of number of PMM-IDLE UEs per RA parameter for RAN	approved	F	6.5.0	MBMS
SP-040904	23.246	134	1	6.4.0	Rel-6	MBMS UE context via MBMS UE Linking procedure	approved	F	6.5.0	MBMS
SP-040758	23.246	134	1	6.4.0	Rel-6	MBMS UE context via MBMS UE Linking procedure	withdrawn	F		MBMS
SP-040758	23.246	135	2	6.4.0	Rel-6	Clarification of MBMS UE Linking handling	withdrawn	F		MBMS
SP-040904	23.246	135	2	6.4.0	Rel-6	Clarification of MBMS UE Linking handling	approved	F	6.5.0	MBMS
SP-040759	23.251	007	1	6.1.0	Rel-6	Inclusion of informative Annex "NRI allocation examples"	approved	F	6.2.0	NTSHAR
SP-040759	23.251	008	3	6.1.0	Rel-6	Indication of selected CN operator in connected mode	approved	F	6.2.0	NTSHAR
SP-040760	23.271	281	-	4.12.0	Rel-4	Resolving invalid references	approved	F	4.13.0	LCS2
SP-040760	23.271	282	1	5.12.0	Rel-5	Resolving invalid references	approved	F	5.13.0	LCS2
SP-040760	23.271	283	1	6.9.0	Rel-6	Resolving invalid references	approved	F	6.10.0	LCS2
SP-040760	23.271	285	1	6.9.0	Rel-6	Service Type checking corrections	approved	F	6.10.0	LCS2
SP-040760	23.271	286	-	6.9.0	Rel-6	Privacy mechanism at deferred location request – UE available event	approved	F	6.10.0	LCS2
SP-040760	23.271	287	1	6.9.0	Rel-6	QoS Class at Deferred Location Request	approved	F	6.10.0	LCS2
SP-040760	23.271	288	2	6.9.0	Rel-6	Correction on the Figure A.2	approved	F	6.10.0	LCS2
SP-040760	23.271	289	1	6.9.0	Rel-6	Correction in the section 7.1.1	approved	F	6.10.0	LCS2
SP-040760	23.271	290	2	6.9.0	Rel-6	Clarifications on the LCS authorisation response	approved	F	6.10.0	LCS2
SP-040760	23.271	292	3	6.9.0	Rel-6	Delete new address of MSC/SGSN from Subscriber Location Report	approved	F	6.10.0	LCS2
SP-040760	23.271	294	1	6.9.0	Rel-6	NA-ESRD Provision for NI-LR Location Based Routing in North America	approved	F	6.10.0	LCS2
SP-040760	23.271	295	1	6.9.0	Rel-6	POI applicability	approved	F	6.10.0	LCS2

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SP-040761	23.981	004	1	6.1.0	Rel-6	Clarification to the Interworking support in dual stack IM CN subsystem	approved	F	6.2.0	IPV4IMS

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SP-040852	33.102	189	-	6.2.0	Rel-6	Correction of Abbreviation for USIM	approved	D	6.3.0	SEC1
SP-040852	33.102	190	1	6.2.0	Rel-6	Correction of TMUI to TMSI in a figure	approved	D	6.3.0	SEC1
SP-040852	33.102	191	3	6.2.0	Rel-6	Support of algorithms in UEs	approved	C	6.3.0	SEC1
SP-040850	33.107	048	-	6.3.0	Rel-6	Lawful Interception for WLAN Interworking	approved	B	6.4.0	SEC1-LI
SP-040850	33.107	049	-	6.3.0	Rel-6	33.107 Cleanup	approved	F	6.4.0	SEC1-LI
SP-040850	33.107	050	-	6.3.0	Rel-6	Clarification on MMS interception	approved	B	6.4.0	SEC1-LI
SP-040851	33.108	060	-	5.8.0	Rel-5	Correction to ULIC header	approved	F	5.9.0	SEC1-LI
SP-040851	33.108	061	-	6.7.0	Rel-6	Correction to ULIC header	approved	A	6.8.0	SEC1-LI
SP-040851	33.108	062	-	6.7.0	Rel-6	Correction on parameter GprsOperationErrorCode	approved	F	6.8.0	SEC1-LI
SP-040851	33.108	063	-	6.7.0	Rel-6	Correction to the IMPORTS statements	approved	F	6.8.0	SEC1-LI
SP-040851	33.108	064	-	6.7.0	Rel-6	Syntax Error in Annex B.3	approved	F	6.8.0	SEC1-LI
SP-040851	33.108	065	-	6.7.0	Rel-6	Deleting CC from SIP message	approved	B	6.8.0	SEC1-LI
SP-040851	33.108	066	-	6.7.0	Rel-6	Adding domain ID to HI3 CS domain module	approved	B	6.8.0	SEC1-LI
SP-040851	33.108	067	-	6.7.0	Rel-6	Syntax Error in Annex B.3a	approved	F	6.8.0	SEC1-LI
SP-040851	33.108	068	-	6.7.0	Rel-6	HI2 SIP Content clarification	approved	C	6.8.0	SEC1-LI
SP-040853	33.200	023	1	5.1.0	Rel-6	SMS fraud countermeasures	revised	B		SEC1-MAP
SP-040921	33.200	023	2	5.1.0	Rel-6	SMS fraud countermeasures	approved	B	6.0.0	SEC1-MAP
SP-040854	33.203	075	1	6.4.0	Rel-6	Editorial corrections	approved	D	6.5.0	IMS-ASEC
SP-040855	33.220	018	1	6.2.0	Rel-6	BSF discovery using default domain method	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	019	1	6.2.0	Rel-6	Local validity condition set by NAF	approved	F	6.3.0	SEC1-SC
SP-040855	33.220	020	3	6.2.0	Rel-6	GBA User Security Settings (GUSS) usage in GAA and Introduction of NAF groups	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	021	2	6.2.0	Rel-6	Details of USIM/ISIM selection in GAA	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	023	-	6.2.0	Rel-6	TLS profile for securing Zn' reference point	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	025	2	6.2.0	Rel-6	Optimization of the GBA_U key derivation procedure	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	027	2	6.2.0	Rel-6	Requirement on ME capabilities for GBA_U	approved	B	6.3.0	SEC1-SC
SP-040855	33.220	034	1	6.2.0	Rel-6	Adding a note about replay protection	approved	F	6.3.0	SEC1-SC
SP-040855	33.220	035	1	6.2.0	Rel-6	Complete the MAC modification for GBA_U	approved	F	6.3.0	SEC1-SC
SP-040855	33.220	036	1	6.2.0	Rel-6	Removal of unnecessary editor's notes	approved	D	6.3.0	SEC1-SC
SP-040855	33.220	038	1	6.2.0	Rel-6	Fetching of one AV only on each Zh run between BSF and HSS	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	039	1	6.2.0	Rel-6	Clean up of TS 33.220	approved	F	6.3.0	SEC1-SC
SP-040855	33.220	040	1	6.2.0	Rel-6	New key management for ME based GBA keys	approved	C	6.3.0	SEC1-SC
SP-040855	33.220	041	1	6.2.0	Rel-6	Key derivation function	approved	B	6.3.0	SEC1-SC
SP-040855	33.220	042	1	6.2.0	Rel-6	Re-negotiation of keys	approved	F	6.3.0	SEC1-SC
SP-040855	33.220	043	1	6.2.0	Rel-6	No GUSS/USS update procedures in Release-6	approved	C	6.3.0	GBA-SSC
SP-040855	33.220	044	1	6.2.0	Rel-6	Clarify the number of NAF-specific keys stored in the UE per NAF-Id	approved	D	6.3.0	SEC1-SC
SP-040856	33.221	005	-	6.1.0	Rel-6	Visited network issuing subscriber certificates	approved	B	6.2.0	SEC1-SC
SP-040856	33.221	006	-	6.1.0	Rel-6	Editorial correction	approved	D	6.2.0	SEC1-SC
SP-040889	33.222	005	-	6.1.0	Rel-6	GBA supported indication in PSK TLS	approved	C	6.2.0	GBA-SSC
SP-040889	33.222	007	1	6.1.0	Rel-6	Adding Support for AES in the TLS Profile	approved	C	6.2.0	GBA-SSC
SP-040890	33.222	008	-	6.1.0	Rel-6	Removing PSK TLS from 3GPP rel-6	postponed	F		GBA-SSC

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SP-040889	33.222	010	1	6.1.0	Rel-6	Authorization flag transfer between AP and AS	approved	C	6.2.0	GBA-SSC
SP-040889	33.222	012	-	6.1.0	Rel-6	Correction of inconsistencies within AP specification	approved	F	6.2.0	GBA-SSC
SP-040889	33.222	013	1	6.1.0	Rel-6	TLS extensions support	approved	C	6.2.0	SEC1-SC
SP-040889	33.222	014	-	6.1.0	Rel-6	Visited AS using subscriber certificates	approved	C	6.2.0	SEC1-SC
SP-040890	33.222	015	1	6.1.0	Rel-6	Keeping PSK TLS in 3GPP rel-6	postponed	F		SEC1-SC
SP-040858	33.234	019	2	6.2.1	Rel-6	Profile for PDG certificates in Scenario 3	approved	F	6.3.0	WLAN
SP-040858	33.234	020	4	6.2.1	Rel-6	Impact of TR 33.817 (Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces)	revised	B		WLAN
SP-040891	33.234	020	5	6.2.1	Rel-6	Impact of TR 33.817 (Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces)	approved	B	6.3.0	WLAN
SP-040858	33.234	024	1	6.2.1	Rel-6	Sending of W-APN identification	approved	B	6.3.0	WLAN
SP-040858	33.234	025	2	6.2.1	Rel-6	Clean up of not completed chapters	approved	F	6.3.0	WLAN
SP-040858	33.234	027	6	6.2.1	Rel-6	Correction of WLAN UE function split	approved	C	6.3.0	WLAN
SP-040858	33.234	028	-	6.2.1	Rel-6	Passing keying material to the WLAN-AN during the Fast re-authentication procedure	approved	F	6.3.0	WLAN
SP-040858	33.234	029	1	6.2.1	Rel-6	Clarification on Deletion of Temporary IDs	approved	F	6.3.0	WLAN
SP-040858	33.234	030	-	6.2.1	Rel-6	Clarification on Protecting Re-authentication ID in FAST/FULL Re-Authentication procedure	approved	F	6.3.0	WLAN
SP-040858	33.234	031	-	6.2.1	Rel-6	Assigning Remote IP Address to WLAN UE using IKEv2 configuration Payload	approved	B	6.3.0	WLAN
SP-040858	33.234	033	1	6.2.1	Rel-6	Tunnel Establishment Procedure	approved	F	6.3.0	WLAN
SP-040858	33.234	036	-	6.2.1	Rel-6	Deletion of inconclusive text on A5/2 countermeasures	approved	F	6.3.0	WLAN
SP-040858	33.234	037	1	6.2.1	Rel-6	Alignment of IPsec profile with RFC2406	approved	F	6.3.0	WLAN
SP-040858	33.234	040	2	6.2.1	Rel-6	Control of simultaneous sessions in WLAN 3GPP IP access	approved	C	6.3.0	WLAN
SP-040858	33.234	041	1	6.2.1	Rel-6	Completion of definition and abbreviations	approved	D	6.3.0	WLAN
SP-040858	33.234	042	1	6.2.1	Rel-6	Fallback from re-authentication to full authentication	approved	F	6.3.0	WLAN
SP-040858	33.234	043	-	6.2.1	Rel-6	Clarification on the use of IMSI in WLAN 3GPP IP access	approved	F	6.3.0	WLAN
SP-040858	33.234	044	2	6.2.1	Rel-6	Clarification on the use of MAC addresses	approved	C	6.3.0	WLAN
SP-040858	33.234	045	-	6.2.1	Rel-6	Clarifications and corrections on the use of pseudonyms	approved	F	6.3.0	WLAN
SP-040858	33.234	047	-	6.2.1	Rel-6	Wn Reference Point Description	approved	D	6.3.0	WLAN
SP-040858	33.234	048	-	6.2.1	Rel-6	Removal of word "scenario"	approved	F	6.3.0	WLAN
SP-040858	33.234	049	1	6.2.1	Rel-6	Correction of WRAP to CCMP	approved	F	6.3.0	WLAN
SP-040858	33.234	050	1	6.2.1	Rel-6	Removal of resolved editors' notes	approved	D	6.3.0	WLAN
SP-040859	33.246	001	4	6.0.0	Rel-6	Deletion of MBMS keys stored in the ME	approved	C	6.1.0	MBMS
SP-040859	33.246	002	-	6.0.0	Rel-6	Clarification on key management	approved	C	6.1.0	MBMS
SP-040859	33.246	005	3	6.0.0	Rel-6	Clean up of MBMS TS	approved	D	6.1.0	MBMS
SP-040859	33.246	006	1	6.0.0	Rel-6	Traffic protection combinations	approved	F	6.1.0	MBMS
SP-040859	33.246	007	3	6.0.0	Rel-6	Clarifying ME and BM-SC capabilities	approved	F	6.1.0	MBMS
SP-040859	33.246	009	1	6.0.0	Rel-6	MBMS MTK Download transport	approved	C	6.1.0	MBMS
SP-040859	33.246	010	3	6.0.0	Rel-6	MBMS Transport of salt	approved	C	6.1.0	MBMS
SP-040859	33.246	011	1	6.0.0	Rel-6	SRTP index synchronisation within ME	approved	C	6.1.0	MBMS
SP-040859	33.246	012	2	6.0.0	Rel-6	Clarify the use of mandatory MIKEY features for MBMS	approved	F	6.1.0	MBMS
SP-040859	33.246	014	-	6.0.0	Rel-6	Protection of the Gmb reference point	approved	C	6.1.0	MBMS
SP-040859	33.246	015	1	6.0.0	Rel-6	Use of parallel MSKs and MTKs	approved	C	6.1.0	MBMS
SP-040859	33.246	016	3	6.0.0	Rel-6	Scope of MBMS security	approved	C	6.1.0	MBMS
SP-040859	33.246	018	4	6.0.0	Rel-6	Clarification of the format of MTK ID and MSK ID	approved	C	6.1.0	MBMS
SP-040859	33.246	020	3	6.0.0	Rel-6	MTK update procedure for streaming services	approved	B	6.1.0	MBMS
SP-040859	33.246	021	8	6.0.0	Rel-6	Clarification of MSK key management	approved	C	6.1.0	MBMS
SP-040859	33.246	022	1	6.0.0	Rel-6	Modification of delivery of MIKEY RAND field in MSK updates	approved	C	6.1.0	MBMS
SP-040859	33.246	023	2	6.0.0	Rel-6	OMA DRM DCF for protection of download services	approved	C	6.1.0	MBMS
SP-040859	33.246	028	1	6.0.0	Rel-6	Shorter MKI	approved	C	6.1.0	MBMS

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SP-040859	33.246	033	1	6.0.0	Rel-6	Handling of MBMS identities and definition completion/modificationSpecify how to identify the MUK and MRK	approved	C	6.1.0	MBMS
SP-040860	33.817	001	2	6.0.0	Rel-6	Bluetooth security and configuration considerations for Annex of TR 33.817	approved	B	6.1.0	WLAN
SP-040860	33.817	002	2	6.0.0	Rel-6	Terminology update to not rule out the use of the smart card for security enhancements	approved	F	6.1.0	USIM-Reuse
SP-040861	33.919	002	-	6.0.0	Rel-6	Removal of unnecessary editor's notes	approved	D	6.1.0	GAA
SP-040862	43.020	002	2	6.0.0	Rel-6	Clarifications to VGCS/VBS ciphering mechanism	approved	F	6.1.0	SECGKYV
SP-040862	43.020	003	2	6.0.0	Rel-6	Clarifying the mandatory support of A5 algorithms within mobile stations	approved	C	6.1.0	SEC1

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SP-040845	26.103	030	-	4.3.0	Rel-4	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	F	4.4.0	TRFO-OoBTC
SP-040845	26.103	031	-	5.5.0	Rel-5	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	5.6.0	TRFO-OoBTC
SP-040845	26.103	032	-	6.0.0	Rel-6	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	6.1.0	TRFO-OoBTC
SP-040847	26.103	033	1	4.3.0	Rel-4	Clarifications for AMR, Alternative 1	approved	F	4.4.0	TrFO
SP-040847	26.103	035	1	5.5.0	Rel-5	Clarifications for AMR	approved	A	5.6.0	TrFO
SP-040847	26.103	036	1	6.0.0	Rel-6	Clarifications for AMR	approved	A	6.1.0	TrFO
SP-040842	26.111	012	1	6.0.0	Rel-6	Addition of the missing signalling of H.264 decoder capabilities	approved	B	6.1.0	3G-324MI
SP-040842	26.111	013	1	6.0.0	Rel-6	Reference Corrections	approved	F	6.1.0	3G-324MI
SP-040838	26.140	009	1	6.0.0	Rel-6	Support for EXIF in MMS	approved	B	6.1.0	MMS6-Codec
SP-040838	26.140	010	-	6.0.0	Rel-6	Adoption of SVG Tiny 1.2 for MMS	approved	B	6.1.0	MMS6-Codec
SP-040844	26.173	020	1	5.8.0	Rel-6	Incorrect definition of vector nb_of_bits	approved	A	6.0.0	AMRWB
SP-040844	26.173	021	-	5.8.0	Rel-5	Incorrect definition of vector nb_of_bits	approved	F	5.9.0	AMRWB
SP-040844	26.204	009	1	5.2.0	Rel-6	Incorrect definition of vector nb_of_bits	approved	A	6.0.0	AMRWB
SP-040844	26.204	010	-	5.2.0	Rel-5	Incorrect definition of vector nb_of_bits	approved	F	5.3.0	AMRWB
SP-040839	26.234	076	-	6.1.0	Rel-6	Correction of RDF schema for PSS capability vocabulary	approved	F	6.2.0	PSSrel6-Stage3
SP-040839	26.234	077	-	6.1.0	Rel-6	Transport-independent SDP bandwidth modifiers for PSS	approved	F	6.2.0	PSSrel6-Stage3
SP-040839	26.234	078	-	6.1.0	Rel-6	Correction of MIME type definition for DRM protected content	approved	F	6.2.0	PSSrel6-Stage3
SP-040839	26.234	079	1	6.1.0	Rel-6	Adoption of SVG Tiny 1.2 for PSS	approved	B	6.2.0	PSSrel6-Stage3
SP-040843	26.235	010	1	6.2.0	Rel-6	Inclusion of PoC support	approved	B	6.3.0	PoC
SP-040837	26.235	011	-	6.2.0	Rel-6	Add reference to TR 26.943	approved	D	6.3.0	SES
SP-040843	26.236	013	1	6.0.0	Rel-6	Inclusion of PoC support	approved	B	6.1.0	PoC
SP-040837	26.243	001	1	6.0.0	Rel-6	Software bug correction: Removal of Basicops simulation of "C" shift operator	approved	F	6.1.0	SES
SP-040837	26.243	002	1	6.0.0	Rel-6	Software bug correction: Initialization of the variables lwc and i2aScale	approved	F	6.1.0	SES
SP-040837	26.243	003	1	6.0.0	Rel-6	Software bug correction: Wrong assignment of the variables *piReliableFlag and *pcQPIndex	approved	F	6.1.0	SES
SP-040837	26.243	004	2	6.0.0	Rel-6	Software bug correction: Use of incorrect variable fRefPeriod instead of iRefPeriod	approved	F	6.1.0	SES
SP-040837	26.243	005	-	6.0.0	Rel-6	Add reference to test sequences document	approved	D	6.1.0	SES
SP-040839	26.244	006	1	6.1.0	Rel-6	Correction of syntax of encryption boxes and outdated references	approved	F	6.2.0	PSSrel6-Stage3
SP-040839	26.244	007	-	6.1.0	Rel-6	Correction of sample structure for AMR-WB+ in 3GP files	approved	F	6.2.0	PSSrel6-Stage3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040839	26.245	001	1	6.0.0	Rel-6	Removal of incorrect statement in Scope section of Rel-6 Timed Text	approved	F	6.1.0	PSSrel6-Stage3
SP-040841	26.290	001	-	6.0.0	Rel-6	Correction of stereo bit allocation tables	approved	F	6.1.0	AMRWB+
SP-040841	26.290	002	-	6.0.0	Rel-6	Correction of storage format for AMR-WB+	approved	F	6.1.0	AMRWB+
SP-040841	26.290	003	1	6.0.0	Rel-6	Editorial changes	approved	D	6.1.0	AMRWB+
SP-040841	26.290	004	-	6.0.0	Rel-6	Editorial changes: Addition of 1 ISF index	-	D	6.1.0	AMRWB+
SP-040841	26.304	001	-	6.0.0	Rel-6	Incorrect definition of mode index for SID frames	approved	F	6.1.0	AMRWB+
SP-040841	26.304	002	-	6.0.0	Rel-6	Correction of TCX coding selection for MMS encoder	approved	F	6.1.0	AMRWB+
SP-040841	26.304	003	-	6.0.0	Rel-6	Misread of energy buffer in coding mode selection in MMS encoder. Correction of energy buffer initialisation	approved	F	6.1.0	AMRWB+
SP-040841	26.304	004	-	6.0.0	Rel-6	Correction of stereo bit allocation tables	approved	F	6.1.0	AMRWB+
SP-040841	26.304	005	1	6.0.0	Rel-6	Optimization of error concealment operation	approved	F	6.1.0	AMRWB+
SP-040841	26.304	006	1	6.0.0	Rel-6	Stereo operation of pre-echo mode, saturation of gain_shape	approved	F	6.1.0	AMRWB+
SP-040841	26.304	007	-	6.0.0	Rel-6	Stereo operation of pre-echo mode, alignment of encoder and decoder	approved	F	6.1.0	AMRWB+
SP-040841	26.304	008	1	6.0.0	Rel-6	Addition of support for file formats and improved command line	approved	D	6.1.0	AMRWB+
SP-040841	26.304	009	1	6.0.0	Rel-6	Source code editorial changes	approved	D	6.1.0	AMRWB+
SP-040841	26.304	010	-	6.0.0	Rel-6	Removal of complexity counters	approved	D	6.1.0	AMRWB+
SP-040841	26.304	011	1	6.0.0	Rel-6	Editorial changes	approved	D	6.1.0	AMRWB+
SP-040841	26.304	013	-	6.0.0	Rel-6	Removal of the eid tool	approved	D	6.1.0	AMRWB+
SP-040841	26.304	014	1	6.0.0	Rel-6	Addition of frame erasure simulation at the decoder	approved	D	6.1.0	AMRWB+
SP-040841	26.304	015	-	6.0.0	Rel-6	Removal of two unused stereo rates	approved	D	6.1.0	AMRWB+
SP-040841	26.304	016	-	6.0.0	Rel-6	Removal of extStMode	approved	D	6.1.0	AMRWB+
SP-040840	26.401	001	1	6.0.0	Rel-6	Alignment with C-code: Clarification on SBR mode to be used for mono only capable decoders	approved	F	6.1.0	PSSrel6
SP-040840	26.410	001	-	6.0.0	Rel-6	Correction to C-code to increase error robustness	approved	F	6.1.0	PSSrel6
SP-040840	26.410	002	-	6.0.0	Rel-6	Correction to C-code: Missing memory re-initialization	approved	F	6.1.0	PSSrel6
SP-040840	26.410	003	-	6.0.0	Rel-6	Correction to C-code: Memory initialization added	approved	F	6.1.0	PSSrel6
SP-040840	26.410	004	-	6.0.0	Rel-6	Correction to C-code: Wrong calculation of sine levels	approved	F	6.1.0	PSSrel6
SP-040840	26.410	005	-	6.0.0	Rel-6	Correction to C-code: Prevent multiple reading of bitstream elements	approved	F	6.1.0	PSSrel6
SP-040840	26.410	006	2	6.0.0	Rel-6	Correction to C-code: Corrected wrong table values	approved	F	6.1.0	PSSrel6
SP-040840	26.410	007	-	6.0.0	Rel-6	Correction to C-code: Modify instrumentation	approved	F	6.1.0	PSSrel6
SP-040840	26.410	008	1	6.0.0	Rel-6	Correction of C-code: Output data was copied into wrong array	approved	F	6.1.0	PSSrel6
SP-040840	26.410	009	1	6.0.0	Rel-6	Correction to C-code: Bug in resampler	approved	F	6.1.0	PSSrel6
SP-040840	26.410	010	1	6.0.0	Rel-6	Correction to C-code: Modify data types for FFT	approved	F	6.1.0	PSSrel6
SP-040840	26.410	011	1	6.0.0	Rel-6	Correction to decoder C-Code: Alignment with MPEG specification	approved	C	6.1.0	PSSrel6
SP-040840	26.410	012	-	6.0.0	Rel-6	Correction to C-code: Reset of Missing Harmonics flags during concealment added	approved	F	6.1.0	PSSrel6
SP-040840	26.410	013	-	6.0.0	Rel-6	Removal of Complexity counters	approved	F	6.1.0	PSSrel6
SP-040845	28.062	042	-	4.5.0	Rel-4	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	F	4.6.0	TRFO-OoBTC
SP-040845	28.062	043	-	5.4.0	Rel-5	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	5.5.0	TRFO-OoBTC
SP-040845	28.062	044	-	6.0.0	Rel-6	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	6.1.0	TRFO-OoBTC
SP-040846	28.062	045	-	4.5.0	Rel-4	Operator Guidelines for UMTS_AMR	approved	F	4.6.0	TRFO-OoBTC
SP-040846	28.062	046	-	5.4.0	Rel-5	Operator Guidelines for UMTS_AMR	approved	A	5.5.0	TRFO-OoBTC
SP-040846	28.062	047	-	6.0.0	Rel-6	Operator Guidelines for UMTS_AMR and AMR Harmonization	approved	F	6.1.0	TFO / TRFO-OoBTC

E.5   CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040768	32.101	026	-	6.0.0	Rel-6	Add sftp (secure ftp) as a valid File Transfer Protocol - Align with 32.341 File Transfer IRP Requirements	approved	F	6.1.0	OAM-AR
SP-040768	32.102	037	-	6.3.0	Rel-6	Corrections and updates	withdrawn	F		OAM-AR
SP-040790	32.111-2	032	-	6.2.0	Rel-6	Add Generic System Context – Align with 32.150	approved	F	6.3.0	OAM-NIM
SP-040791	32.111-2	033	-	5.4.0	Rel-5	Correct the time carried by the eventTime parameter of notifyComments	approved	F	5.5.0	OAM-NIM
SP-040791	32.111-2	034	-	6.2.0	Rel-6	Correct the time carried by the eventTime parameter of notifyComments	approved	A	6.3.0	OAM-NIM
SP-040791	32.111-2	035	-	6.2.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.3.0	OAM-NIM
SP-040791	32.111-2	036	-	6.2.0	Rel-6	Correct description of thresholdInformation – Align with 32.401	approved	F	6.3.0	OAM-NIM
SP-040791	32.111-2	037	-	6.2.0	Rel-6	Correction of probable cause for alarms.	approved	F	6.3.0	OAM-NIM
SP-040791	32.111-3	034	-	6.0.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.1.0	OAM-NIM
SP-040791	32.111-3	035	-	6.0.0	Rel-6	Correction of probable cause definition for AlarmIRP IDL file.	approved	F	6.1.0	OAM-NIM
SP-040791	32.111-3	036	-	6.0.0	Rel-6	Add mandatory exception operationNotSupported for optional operations in AlarmIRP - Align IDL style with IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM
SP-040791	32.111-3	037	-	6.0.0	Rel-6	Correction of filterable parameters - Align with the IS in 32.111-2	approved	F	6.1.0	OAM-NIM
SP-040791	32.111-4	029	-	6.2.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.3.0	OAM-NIM
SP-040764	32.140	004	-	6.2.0	Rel-6	Editorial corrections and updates of Subscription Management (SuM) requirements	approved	D	6.3.0	SuM
SP-040764	32.140	005	-	6.2.0	Rel-6	Change the Introduction clause to reflect what capability SuM is offering in Rel-6	approved	F	6.3.0	SuM
SP-040790	32.150	002	-	6.1.0	Rel-6	Add Generic System Context	approved	F	6.2.0	OAM-NIM
SP-040764	32.171	001	-	6.0.0	Rel-6	Editorial modifications to "Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements"	approved	D	6.1.0	SuM
SP-040776	32.225	029	-	5.6.0	Rel-5	Align SDP-Media-Components in ACR with CDR	approved	F	5.7.0	OAM-CH
SP-040776	32.225	030	-	5.6.0	Rel-5	Reassign Vendor specific AVP codes - Align with CN4's 29.230	approved	F	5.7.0	OAM-CH
SP-040776	32.225	031	-	5.6.0	Rel-5	Correct multiple occurrence of Inter-Operator-Identifier, ApplicationServer, Application-provided-Called-Party-Address	approved	F	5.7.0	OAM-CH
SP-040775	32.251	001	-	6.0.0	Rel-6	Add "Furnish Charging Information" procedure for GPRS	approved	B	6.1.0	CH
SP-040775	32.251	002	-	6.0.0	Rel-6	Add data description for PS online charging	approved	F	6.1.0	CH
SP-040780	32.270	001	-	6.0.0	Rel-6	Introduce Application Data in MMS Charging – Align with T2's TS 23.140 (MMS6)	approved	F	6.1.0	CH-SC
SP-040780	32.270	002	-	6.0.0	Rel-6	Introduce Content Adaptation in MMS Charging – Align with T2's 23.140 (MMS6)	approved	F	6.1.0	CH-SC
SP-040780	32.270	003	-	6.0.0	Rel-6	Correction on VASP MMS CDR triggers	approved	F	6.1.0	CH-SC
SP-040776	32.299	001	-	6.0.0	Rel-6	Reassign Vendor specific AVP codes - Align with CN4's 29.230	approved	A	6.1.0	OAM-CH
SP-040776	32.299	002	-	6.0.0	Rel-6	Add Threshold based re-authorisation triggers	approved	B	6.1.0	CH
SP-040776	32.299	003	-	6.0.0	Rel-6	Add Re-authorisation triggers for flow-based online charging – Align with Stage 2	approved	B	6.1.0	CH
SP-040776	32.299	004	-	6.0.0	Rel-6	Add missing elements and other corrections	approved	F	6.1.0	CH
SP-040775	32.299	005	-	6.0.0	Rel-6	Add definition of a new 3GPP-specific AVP: PS Furnish Charging Information AVP - Align with 32.251	approved	B	6.1.0	CH
SP-040793	32.300	003	-	5.0.1	Rel-6	Correct and convert formal specification from BNF syntax to EBNF with corrections	approved	F	6.0.0	OAM-NIM
SP-040793	32.302	006	-	5.1.0	Rel-5	Add missing rules on how to construct the string NotificationCategory	approved	F	5.2.0	OAM-NIM
SP-040793	32.302	007	-	6.0.0	Rel-6	Add missing rules on how to construct the string NotificationCategory	approved	A	6.1.0	OAM-NIM
SP-040793	32.303	013	-	6.1.0	Rel-6	Remove filter requirement in IDL comments in the Notification IRP CORBA SS	approved	F	6.2.0	OAM-NIM
SP-040794	32.311	003	-	6.0.0	Rel-6	Correct ambiguities in using IRPVersion, Add reference to its CORBA/CMIP SSs	approved	F	6.1.0	OAM-NIM
SP-040794	32.312	003	-	6.0.0	Rel-6	Update UML diagrams, Add reference to its CORBA/CMIP SSs	approved	F	6.1.0	OAM-NIM
SP-040797	32.323	002	-	6.0.0	Rel-6	Align the IDL style innthe CORBA SS with the IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM
SP-040800	32.343	001	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align IDL style in FT IRP CORBA SS with IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040802	32.353	001	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align IDL style in CS IRP CORBA SS with IDL Style Guide in TS 32.150	approved	F	6.1.0	OAM-NIM
SP-040804	32.363	002	-	6.1.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields, Eliminate new definitions in EP IRP CORBA SS	withdrawn	F		OAM-NIM
SP-040877	32.363	002	1	6.1.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields, Eliminate new definitions in EP IRP CORBA SS	approved	F	6.2.0	OAM-NIM
SP-040805	32.371	001	-	6.0.0	Rel-6	Correct the Introduction clause – Align with what is actually delivered in Rel-6 on Security Management	approved	D	6.1.0	OAM-NIM
SP-040783	32.401	021	-	6.3.0	Rel-6	Removal of annexes from Performance Management Concepts and Requirements	approved	D	6.4.0	OAM-PM
SP-040783	32.401	022	-	6.3.0	Rel-6	Add requirements for Threshold Management	approved	B	6.4.0	OAM-PM
SP-040783	32.403	054	-	4.8.0	Rel-4	Correct measurements about GPRS Update Locations sent to the HLR	approved	F	4.9.0	OAM-PM
SP-040783	32.403	055	-	5.8.0	Rel-5	Correct measurements about GPRS Update Locations sent to the HLR	approved	A	5.9.0	OAM-PM
SP-040783	32.403	056	-	6.5.0	Rel-6	Correct measurements about GPRS Update Locations sent to the HLR	approved	A	6.6.0	OAM-PM
SP-040784	32.412	007	-	6.2.0	Rel-6	Correct ambiguous precondition statement related to createThresholdMonitor operation	approved	F	6.3.0	OAM-PM
SP-040784	32.412	008	-	6.2.0	Rel-6	Correct definition of ObjectClass and ObjectInstance in "notifyMeasurementJobStatusChanged" and "notifyThresholdMonitorStatusChanged"	approved	F	6.3.0	OAM-PM
SP-040784	32.413	004	-	6.2.0	Rel-6	Add missing exception & filter to PM IRP CORBA SS, Align with IDL Style Guide in 32.150	approved	F	6.3.0	OAM-PM
SP-040770	32.421	005	-	6.4.0	Rel-6	Remove requirement for having ASN.1 as Trace record format	approved	C	6.5.0	OAM-Trace
SP-040770	32.421	006	-	6.4.0	Rel-6	Remove in Rel-6 the signalling based Trace in IMS due to missing SIP signalling support from CN1/IETF	approved	C	6.5.0	OAM-Trace
SP-040770	32.422	001	-	6.0.0	Rel-6	Remove IMS entities from the Signalling Based Activation of the Trace functionality	approved	C	6.1.0	OAM-Trace
SP-040770	32.422	002	-	6.0.0	Rel-6	Align Management Based Activation for Trace with RAN3's 25.413 (UTRAN Iu interface RANAP signalling)	approved	F	6.1.0	OAM-Trace
SP-040806	32.601	002	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in 32.601 BasicCM IRP Requirements	approved	B	6.1.0	OAM-NIM
SP-040806	32.603	015	-	6.1.0	Rel-6	Align the IDL style in the CORBA SS with the IDL Style Guide in 32.150	approved	F	6.2.0	OAM-NIM
SP-040807	32.612	011	-	6.0.0	Rel-6	Partition Bulk CM IRP capabilities into packages	approved	F	6.1.0	OAM-NIM
SP-040807	32.612	012	-	6.0.0	Rel-6	BulkCMIRP should be extended to be applicable to new NRM model, such as Signalling Transport Network (STN) NRM IRP	approved	B	6.1.0	OAM-NIM
SP-040807	32.613	010	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align with IS in 32.612	approved	F	6.1.0	OAM-NIM
SP-040807	32.613	011	-	6.0.0	Rel-6	Partition Bulk CM IRP capabilities into separate IDL modules – Align to IS in 32.612	approved	F	6.1.0	OAM-NIM
SP-040807	32.613	012	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in BulkCM IRP CORBA SS	approved	B	6.1.0	OAM-NIM
SP-040807	32.615	018	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in BulkCM IRP XML FF	approved	B	6.1.0	OAM-NIM
SP-040808	32.622	020	-	6.2.0	Rel-6	Correct the write qualification for VsDataContainer.vsData	approved	F	6.3.0	OAM-NIM
SP-040808	32.622	021	-	6.2.0	Rel-6	Correction of modelling of Media GateWay (MGW)	approved	F	6.3.0	OAM-NIM
SP-040808	32.624	019	-	5.4.0	Rel-5	Add missing definition of attribute meContextId	approved	F	5.5.0	OAM-NIM
SP-040808	32.624	020	-	6.0.0	Rel-6	Add missing definition of attribute meContextId	approved	A	6.1.0	OAM-NIM
SP-040808	32.624	021	-	6.0.0	Rel-6	Add definitions for genericIRP	approved	F	6.1.0	OAM-NIM
SP-040808	32.625	012	-	5.3.0	Rel-5	Correct attribute for the managementScope association - Align with IS in 32.622	approved	F	5.4.0	OAM-NIM
SP-040808	32.625	013	-	6.2.0	Rel-6	Correct attribute for the managementScope association - Align with IS in 32.622	approved	A	6.3.0	OAM-NIM
SP-040809	32.632	012	-	6.0.0	Rel-6	Add new IMS Entities to Rel-6 Core Network NRM	approved	B	6.1.0	OAM-NIM
SP-040809	32.632	013	-	6.0.0	Rel-6	Add restart notification to GSN objects using "proceduralStatus" attribute and notifyStateChange notification	approved	B	6.1.0	OAM-NIM
SP-040809	32.633	007	-	6.0.0	Rel-6	Add new IMS Entities	approved	B	6.1.0	OAM-NIM
SP-040809	32.633	008	-	6.0.0	Rel-6	Add restart notification to GSN objects using "proceduralStatus" attribute - Align with IS in 32.632	approved	B	6.1.0	OAM-NIM
SP-040809	32.635	008	-	6.0.0	Rel-6	Add new IMS Entities	approved	B	6.1.0	OAM-NIM
SP-040810	32.642	028	-	6.2.0	Rel-6	Add AntennaFunction class and attributes to support RET (Remote control of Electrical Tilting)	approved	B	6.3.0	OAM-NIM
SP-040810	32.642	029	-	6.2.0	Rel-6	Add support for the state change notification	approved	B	6.3.0	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040810	32.643	017	-	6.2.0	Rel-6	Correct IDL compilation error	approved	F	6.3.0	OAM-NIM
SP-040810	32.643	018	-	6.2.0	Rel-6	Correct IDL compilation error and change name of retAntennaList	approved	F	6.3.0	OAM-NIM
SP-040810	32.644	015	-	5.6.0	Rel-6	Add support for the TDD mode, the state change notification and ATM management – Align with 32.642	approved	B	6.0.0	OAM-NIM
SP-040810	32.645	016	-	6.1.0	Rel-6	Add operationalState to the UtranCell – Align with the IS in 32.642	approved	F	6.2.0	OAM-NIM
SP-040811	32.655	011	-	6.0.0	Rel-6	Add operationalState to the BtsSiteMgr – Align with the IS in 32.652	approved	F	6.1.0	OAM-NIM
SP-040812	32.661	004	-	6.1.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in KernelCM IRP Requirements	approved	B	6.2.0	OAM-NIM
SP-040812	32.663	011	-	6.2.0	Rel-6	Correct the mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields (instead of filterable fields) - Align with IS in 32.662	approved	F	6.3.0	OAM-NIM
SP-040813	32.674	002	-	5.1.0	Rel-5	Correct GDMO code	approved	F	5.2.0	OAM-NIM
SP-040813	32.674	003	-	6.0.0	Rel-6	Correct GDMO code	approved	A	6.1.0	OAM-NIM
SP-040816	32.692	001	-	5.0.0	Rel-6	Align Inventory Management Network Resource Model with the latest template from Rel-6 TS 32.150	approved	F	6.0.0	OAM-NIM

E.6   CRs direct to TSG SA#26

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040823	01.01	023	-	8.14.0	R99	Corrections to list of specifications	revised	F		TEI
SP-040880	01.01	023	1	8.14.0	R99	Corrections to list of specifications	revised	F		TEI
SP-040931	01.01	023	2	8.14.0	R99	Corrections to list of specifications	approved	F	8.15.0	TEI
SP-040823	21.101	022	-	3.13.0	R99	Corrections to list of specifications	revised	F		TEI
SP-040880	21.101	022	1	3.13.0	R99	Corrections to list of specifications	approved	F	3.14.0	TEI
SP-040823	21.101	023	-	4.10.0	Rel-4	Corrections to list of specifications	revised	F		TEI4
SP-040880	21.101	023	1	4.10.0	Rel-4	Corrections to list of specifications	approved	F	4.11.0	TEI4
SP-040823	21.101	024	-	5.7.0	Rel-5	Corrections to list of specifications	revised	F		TEI5
SP-040880	21.101	024	1	5.7.0	Rel-5	Corrections to list of specifications	approved	F	5.8.0	TEI5
SP-040823	21.101	025	-	5.7.0	Rel-6	Corrections to list of specifications	revised	F		TEI6
SP-040880	21.101	025	1	5.7.0	Rel-6	Corrections to list of specifications	approved	F	6.0.0	TEI6
SP-040824	21.900	025	-	6.3.0	Rel-7	Editorial clarification of version numbering system, upgrade to Rel-7	approved	D	7.0.0	TEI
SP-040824	21.900	026	-	6.3.0	Rel-6	Make working procedures release-independent	approved	D	6.4.0	TEI
SP-040823	41.101	007	-	4.12.0	Rel-4	Corrections to list of specifications	revised	F		TEI4
SP-040880	41.101	007	1	4.12.0	Rel-4	Corrections to list of specifications	approved	F	4.13.0	TEI4
SP-040823	41.101	008	-	5.8.0	Rel-5	Corrections to list of specifications	revised	F		TEI5
SP-040880	41.101	008	1	5.8.0	Rel-5	Corrections to list of specifications	approved	F	5.9.0	TEI5
SP-040823	41.101	009	-	5.8.0	Rel-6	Corrections to list of specifications	revised	F		TEI6
SP-040880	41.101	009	1	5.8.0	Rel-6	Corrections to list of specifications	approved	F	6.0.0	TEI6

Annex F: Status of all 3GPP CRs after TSG SA #26 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
SP-040823	01.01	023	-	8.14.0	R99	Corrections to list of specifications	revised	F		TEI	SP
SP-040880	01.01	023	1	8.14.0	R99	Corrections to list of specifications	revised	F		TEI	SP
SP-040931	01.01	023	2	8.14.0	R99	Corrections to list of specifications	approved	F	8.15.0	TEI	SP
TP-040253	11.10-4	A077	-	8.9.0	R99	Correction of Send Short Message test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A078	-	8.9.0	R99	Correction of Select Item test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A079	-	8.9.0	R99	Correction of Language Notification test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A080	-	8.9.0	R99	Correction of Select Item (Next action identifier) test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A081	-	8.9.0	R99	Correction of PROFILE DOWNLOAD test case – incorrect P2	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A082	-	8.9.0	R99	Correction of CALL CONTROL test cases.	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A083	-	8.9.0	R99	Incorrect specification of file codings.	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A084	-	8.9.0	R99	Correction of Refresh test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A085	-	8.9.0	R99	Correction of MO SM CONTROL BY SIM test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A086	-	8.9.0	R99	Correction of Errors	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A087	-	8.9.0	R99	Clarification of PLAY TONE test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A088	-	8.9.0	R99	Clarification of RECEIVE DATA test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A089	-	8.9.0	R99	Corrections for Test Case 27.22.5.1 (SMS-PP Data Download)	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A090	-	8.9.0	R99	Modification of 27.22.1 PROFILE DOWNLOAD	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A091	-	8.9.0	R99	Correction of Set Up Idle Mode Text test case	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A092	-	8.9.0	R99	Correction of Timer Management test cases	approved	F	8.10.0	TEI	T3
TP-040253	11.10-4	A093	-	8.9.0	R99	Essential Corrections on Launch Browser	approved	F	8.10.0	TEI	T3
TP-040254	11.13	A008	-	8.2.1	R99	Correction of references to GSM 02.19 and GSM 03.19 specifications.	approved	F	8.3.0	TEI	T3
SP-040823	21.101	022	-	3.13.0	R99	Corrections to list of specifications	revised	F		TEI	SP
SP-040880	21.101	022	1	3.13.0	R99	Corrections to list of specifications	approved	F	3.14.0	TEI	SP
SP-040823	21.101	023	-	4.10.0	Rel-4	Corrections to list of specifications	revised	F		TEI4	SP
SP-040880	21.101	023	1	4.10.0	Rel-4	Corrections to list of specifications	approved	F	4.11.0	TEI4	SP
SP-040823	21.101	024	-	5.7.0	Rel-5	Corrections to list of specifications	revised	F		TEI5	SP
SP-040880	21.101	024	1	5.7.0	Rel-5	Corrections to list of specifications	approved	F	5.8.0	TEI5	SP
SP-040823	21.101	025	-	5.7.0	Rel-6	Corrections to list of specifications	revised	F		TEI6	SP
SP-040880	21.101	025	1	5.7.0	Rel-6	Corrections to list of specifications	approved	F	6.0.0	TEI6	SP
SP-040824	21.900	025	-	6.3.0	Rel-7	Editorial clarification of version numbering system, upgrade to Rel-7	approved	D	7.0.0	TEI	SP
SP-040824	21.900	026	-	6.3.0	Rel-6	Make working procedures release-independent	approved	D	6.4.0	TEI	SP
SP-040726	21.905	059	-	6.7.0	Rel-6	Definition of Radio Access Technology	rejected	F		TEI6	S1
SP-040734	22.038	025	-	7.1.0	Rel-7	Extention of the USAT bearers	approved	B	7.2.0	WLAN	S1
SP-040735	22.071	071	-	7.0.0	Rel-7	Introducing A-GNSS concept to extend A-GPS to include GALILEO	postponed	C		A-GNSS	S1
SP-040735	22.071	072	-	7.0.0	Rel-7	Velocity Service Description	revised	C		LCS-R7	S1
SP-040907	22.071	072	1	7.0.0	Rel-7	Velocity Service Description	approved	C	7.1.0	LCS-R7	S1
SP-040736	22.078	178	-	7.1.0	Rel-7	Interworking between CAMEL and SCUDIF	approved	A	7.2.0	SCUDIF	S1
SP-040725	22.101	155	-	3.17.0	R99	USIM support by 2G terminals	rejected	F		TEI	S1
SP-040725	22.101	156	-	4.10.0	Rel-4	USIM support by 2G terminals	rejected	A		TEI4	S1
SP-040727	22.127	072	-	6.6.0	Rel-6	Delete Requirements for User-Application Authentication functions"	approved	F	6.7.0	OSA3	S1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
SP-040727	22.127	073	-	6.6.0	Rel-6	Delete Requirements for User Data Management (OSA support for GUP)"	approved	F	6.7.0	OSA3	S1
SP-040727	22.127	074	-	6.6.0	Rel-6	Delete Requirements for IP session function"	approved	F	6.7.0	OSA3	S1
SP-040728	22.141	018	-	6.2.1	Rel-6	Delete Requirements for IP session function	approved	F	6.3.0	OSA3	S1
SP-040729	22.228	026	-	6.6.0	Rel-6	IMS Support of CS services	approved	F	6.7.0	IMS2	S1
SP-040737	22.234	010	-	6.2.0	Rel-7	New features of I-WLAN	approved	B	7.0.0	WLAN-SC	S1
SP-040730	22.240	007	-	6.4.0	Rel-6	Removal of erroneous use cases	approved	F	6.5.0	GUP	S1
SP-040731	22.242	003	-	6.2.0	Rel-6	Removing text in DRM stage 1 specification and reference OMA RD	revised	F		DRM	S1
SP-040906	22.242	003	1	6.2.0	Rel-6	Removing text in DRM stage 1 specification and reference OMA RD	revised	F		DRM	S1
SP-040732	22.950	009	-	6.3.0	Rel-6	Priority Service optional support for Emergency Service	approved	F	6.4.0	PRIOR	S1
SP-040733	22.952	004	-	6.1.0	Rel-6	Priority Service optional support for Emergency Service	approved	F	6.2.0	PRIOR	S1
SP-040750	23.002	145	-	6.5.0	Rel-6	Floor control	approved	F	6.6.0	IMS2	S2
SP-040750	23.002	146	-	6.5.0	Rel-6	Removing GPS specifity for SAS to unify with RAN Technical Specifications	approved	F	6.6.0	LCS2	S2
NP-040581	23.003	092	2	6.4.0	Rel-6	'otherrealm' format of Decorated NAI	approved	F	6.5.0	WLAN	N4
NP-040581	23.003	093	1	6.4.0	Rel-6	Definition of Alternative NAI	rejected	F		WLAN	N4
NP-040527	23.003	094	1	5.9.0	Rel-5	Clarification of NRI position within (P)-TMSI	approved	F	5.10.0	TEI5	N4
NP-040527	23.003	095	1	6.4.0	Rel-6	Clarification of NRI position within (P)-TMSI	approved	A	6.5.0	TEI5	N4
NP-040580	23.003	096	1	6.4.0	Rel-6	BSF address	approved	F	6.5.0	SEC1-SC	N4
NP-040543	23.008	135	1	6.3.0	Rel-6	Inclusion of selected CN operator ID parameter	approved	B	6.4.0	NETSHAR	N4
NP-040532	23.008	136	-	6.3.0	Rel-6	Optimization of User Profile Download	approved	B	6.4.0	IMS2-CCR	N4
NP-040532	23.008	137	-	6.3.0	Rel-6	Subscribed Media Profile Identifier	approved	F	6.4.0	IMS2-CCR	N4
NP-040580	23.008	138	1	6.3.0	Rel-6	Domain independent GAA	approved	C	6.4.0	SEC1-SC	N4
NP-040580	23.008	140	-	6.3.0	Rel-6	Correction to authorization flag definition	approved	C	6.4.0	SEC1-SC	N4
NP-040580	23.008	141	-	6.3.0	Rel-6	Itroduction of NAF groups	approved	F	6.4.0	SEC1-SC	N4
NP-040581	23.008	142	1	6.3.0	Rel-6	WLAN-IW data handling: additions to 23.008	approved	B	6.4.0	WLAN	N4
NP-040514	23.014	007	-	5.1.0	Rel-6	Introduction of new references for DTMF	approved	F	6.0.0	TEI6	N1
SP-040751	23.060	513	1	6.6.0	Rel-6	Transfer of selected core network operator identity between SGSN and MSC/VLR	approved	F	6.7.0	NTSHAR	S2
SP-040751	23.060	516	2	6.6.0	Rel-6	Handling of preserved Real Time PDP context	approved	F	6.7.0	TEI6	S2
SP-040751	23.060	518	3	6.6.0	Rel-6	Management Based Activation Impacts	approved	F	6.7.0	OEM-TRACE	S2
NP-040525	23.078	748	5	6.3.0	Rel-6	Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption	approved	A	6.4.0	CAMEL4	N4
NP-040544	23.078	749	2	6.3.0	Rel-6	Correcting SDL of Process CS_gsmSSF (sheet 62)	approved	F	6.4.0	TEI6	N4
NP-040544	23.078	752	-	6.3.0	Rel-6	Correction to Change of Position handling in gsmSSF	approved	F	6.4.0	TEI6	N4
NP-040544	23.078	753	1	6.3.0	Rel-6	Correction in Sheet 18 of Process CSA_gsmSSF	approved	F	6.4.0	TEI6	N4
NP-040525	23.078	754	-	5.8.0	Rel-5	Clarification on Outstanding Request Counter (ORC) handling	approved	F	5.9.0	CAMEL4	N4
NP-040544	23.078	757	1	6.3.0	Rel-6	Warning Tone	approved	F	6.4.0	TEI6	N4

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SP-040752	23.107	152	1	5.12.0	Rel-5	Clarification on delivery order set to no	revised	F		TEI5	S2
SP-030895	23.107	152	2	5.12.0	Rel-5	Clarification on delivery order set to no	revised	F		TEI5	S2
SP-040912	23.107	152	3	5.12.0	Rel-5	Clarification on delivery order set to no	approved	F	5.13.0	TEI5	S2
SP-040752	23.107	153	1	6.1.0	Rel-6	Clarification on delivery order set to no	revised	F		TEI6	S2
SP-030895	23.107	153	2	6.1.0	Rel-6	Clarification on delivery order set to no	revised	A		TEI-6	S2
SP-040912	23.107	153	3	6.1.0	Rel-6	Clarification on delivery order set to no	approved	A	6.2.0	TEI6	S2
NP-040516	23.122	082	7	6.2.0	Rel-7	Support of multiple HPLMN codes	approved	C	7.0.0	TEI7	N1
NP-040514	23.122	084	1	6.2.0	Rel-6	Clarification on the use of the RAT during background scanning	approved	F	6.3.0	TEI6	N1
NP-040513	23.122	086	1	6.2.0	Rel-6	Clarifiaction of PLMN selection in shared networks	approved	B	6.3.0	NTShar	N1
SP-040875	23.125	076	1	6.2.0	Rel-6	Adding service information to charging rule	rejected	F		CH-FBC	S2
SP-040753	23.125	078	3	6.2.0	Rel-6	CCF/OCS address clarifications	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	079	1	6.2.0	Rel-6	Connection maintenance	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	080	1	6.2.0	Rel-6	Modification of charging rules	approved	F	6.3.0	CH-FBC	S2
SP-040875	23.125	082	2	6.2.0	Rel-6	Granularity of charging data collection	rejected	F		CH-FBC	S2
SP-040753	23.125	083	2	6.2.0	Rel-6	Clarify that SGSN event is MCC/MNC related	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	085	2	6.2.0	Rel-6	Clarify the handling of PDP contexts	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	086	2	6.2.0	Rel-6	Clarify that Charging Rules apply on a per PDP context basis	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	088	1	6.2.0	Rel-6	CRF addressing	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	089	1	6.2.0	Rel-6	Removal of FFS notes	approved	D	6.3.0	CH-FBC	S2
SP-040753	23.125	091	2	6.2.0	Rel-6	Clarify the terminology related to instances	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	092	1	6.2.0	Rel-6	Clarification of Credit Pooling	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	093	-	6.2.0	Rel-6	Clarify that CRF is responsible for policy control functions in FBC	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	094	3	6.2.0	Rel-6	selecting the charging rule	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	095	1	6.2.0	Rel-6	Security considerations between CRF and AF	approved	B	6.3.0	CH-FBC	S2
SP-040753	23.125	096	1	6.2.0	Rel-6	Selection of the appropriate CRF by a TPF for a user in GPRS.	approved	B	6.3.0	CH-FBC	S2
SP-040753	23.125	098	1	6.2.0	Rel-6	Clarification of volume and time based charging	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	099	2	6.2.0	Rel-6	clarification of online charging procedure	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	101	-	6.2.0	Rel-6	Update of bearer termination message flow	approved	F	6.3.0	CH-FBC	S2
SP-040875	23.125	102	2	6.2.0	Rel-6	Reporting and credit management granularity	rejected	F		CH-FBC	S2

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SP-040882	23.125	102	4	6.2.0	Rel-6	Reporting and credit management granularity	approved	F	6.3.0	CH-FBC	S2
SP-040753	23.125	103	2	6.2.0	Rel-6	Updates to Rx handling	approved	C	6.3.0	CH-FBC	S2
TP-040226	23.140	175	-	6.7.0	Rel-6	Adding collision prevention mechanism to application addressing	approved	C	6.8.0	MMS6	T2
TP-040226	23.140	176	-	6.7.0	Rel-6	Precision for the recipient entities' behaviour upon reception of an abstract message containing a destination application identifier	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	177	-	6.7.0	Rel-6	Replacing and Cancelling Multimedia Message in Recipient Terminal	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	178	-	6.7.0	Rel-6	Information about Content to Recipient Terminal	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	179	-	6.7.0	Rel-6	Truncating the "subject" element of an MM1_notification.REQ for adopting to carrier layer limitations and decreasing the response delay	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	180	-	6.7.0	Rel-6	Clarifying that the terminal hosting Application(s) identifies its capabilities in a binary way	approved	C	6.8.0	MMS6	T2
TP-040226	23.140	181	-	6.7.0	Rel-6	Deletion of deferred MMs from the MMS Relay/Server	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	182	-	6.7.0	Rel-6	Resolving DNS to an IP address using procedures of RFC2821	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	183	-	6.7.0	Rel-6	MM4 _forward.REQ counter definition	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	184	-	6.7.0	Rel-6	Adding Recipient handset capabilities in the MM7_delivery_report.REQ and MM7_deliver.REQ transactions	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	185	-	6.7.0	Rel-6	Additional Error situation in MM7_Deliver.RES	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	186	-	6.7.0	Rel-6	Allow more than one DeliveryCondition at a time.	approved	C	6.8.0	MMS6	T2
TP-040226	23.140	187	-	6.7.0	Rel-6	Clarification of schema versioning	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	188	-	6.7.0	Rel-6	Error Status Codes related to Application Addressing over MM7	approved	B	6.8.0	MMS6	T2
TP-040226	23.140	189	-	6.7.0	Rel-6	Rapporteur's check of 23.140: New reference to MM10 stage 3 TS; consistent mentionning of MM8, MM9 and MM10 in chapter 8; removal of MEXE as potential MMS implementation; removal of unused references	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	190	-	6.7.0	Rel-6	Addition of roaming detection and MMS capability detection as part of functionalities of the MMS Relay/Server	approved	F	6.8.0	MMS6	T2
TP-040226	23.140	191	-	6.7.0	Rel-6	Correct a typo, in Information Element Applic-ID (MM7_Deliver.REQ)	approved	D	6.8.0	MMS6	T2
TP-040226	23.140	192	-	6.7.0	Rel-6	Editorial Modifications in section 7.2.3 Address Formats on MM7	approved	D	6.8.0	MMS6	T2
TP-040225	23.140	193	-	6.7.0	Rel-6	Stage 3 MM7 Schema, addition of application, contentclass, drmcontent, vasp id, extended cancel/replace, deliverycondition and uacapabilities elements	approved	B	6.8.0	MMS6	T2
TP-040225	23.140	194	-	6.7.0	Rel-6	MM4 forwarding address clarification	approved	C	6.8.0	MMS6	T2
TP-040225	23.140	195	-	6.7.0	Rel-6	Adding the Information Elements VAS-ID and VASP-ID in MM7_DeliveryReport and MM7_ReadReplyReport.	approved	B	6.8.0	MMS6	T2
NP-040548	23.153	074	1	5.8.0	Rel-6	3GUP properties correction	approved	F	6.0.0	TEI6	N4
NP-040520	23.153	075	-	4.10.0	Rel-4	TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	approved	F	4.11.0	OoBTC	N4
NP-040520	23.153	076	-	5.8.0	Rel-5	TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	approved	A	5.9.0	OoBTC	N4
NP-040520	23.153	077	1	4.10.0	Rel-4	Detailed description of the handling of codec negotiation parameters	approved	F	4.11.0	OoBTC	N4
NP-040520	23.153	078	1	5.8.0	Rel-5	Detailed description of the handling of codec negotiation parameters	approved	A	5.9.0	OoBTC	N4
NP-040520	23.153	079	3	4.10.0	Rel-4	Addition of missing condition for transcoder free operation in the MGW	approved	F	4.11.0	OoBTC	N4
NP-040520	23.153	080	3	5.8.0	Rel-5	Addition of missing condition for transcoder free operation in the MGW	approved	A	5.9.0	OoBTC	N4
NP-040528	23.153	081	-	5.8.0	Rel-5	Correction of the inter-MSC handover during TrFO	approved	F	5.9.0	TEI5	N4
SP-040896	23.228	446	3	6.7.0	Rel-6	Treatment of SIP forking request	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	446	3	6.7.0	Rel-6	Treatment of SIP forking request	withdrawn	F		IMS2	S2
SP-040754	23.228	447	1	6.7.0	Rel-6	Floor control	withdrawn	F		IMS2	S2

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SP-040896	23.228	447	1	6.7.0	Rel-6	Floor control	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	448	1	6.7.0	Rel-6	Clarification of which origination and termination procedures can be used to construct end to end session flows	withdrawn	F		IMS2	S2
SP-040754	23.228	449	1	6.7.0	Rel-6	Put the non-IMS SIP network interworking scenarios in the correct clauses	withdrawn	F		IMS2	S2
SP-040896	23.228	450	1	6.7.0	Rel-6	Clarify that IMS end-points shall be able to support sending or receiving DTMF tone indications	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	450	1	6.7.0	Rel-6	Clarify that IMS end-points shall be able to support sending or receiving DTMF tone indications	withdrawn	F		IMS2	S2
SP-040896	23.228	451	1	6.7.0	Rel-6	"Clarification of which endpoints may be involved in Session Redirects and	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	451	1	6.7.0	Rel-6	"Clarification of which endpoints may be involved in Session Redirects and	withdrawn	F		IMS2	S2
SP-040896	23.228	452	3	6.7.0	Rel-6	Addition of Application Server termination section	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	452	3	6.7.0	Rel-6	Addition of Application Server termination section	withdrawn	F		IMS2	S2
SP-040754	23.228	453	4	6.7.0	Rel-6	Revision of session set-up from external SIP client	withdrawn	F		IMS2	S2
SP-040896	23.228	453	4	6.7.0	Rel-6	Revision of session set-up from external SIP client	approved	F	6.8.0	IMS2	S2
SP-040896	23.228	454	1	6.7.0	Rel-6	Various editorial corrections	approved	D	6.8.0	IMS2	S2
SP-040754	23.228	454	1	6.7.0	Rel-6	Various editorial corrections	withdrawn	D		IMS2	S2
SP-040896	23.228	455	-	6.7.0	Rel-6	Missing step in identity procedure	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	455	-	6.7.0	Rel-6	Missing step in identity procedure	withdrawn	F		IMS2	S2
SP-040754	23.228	456	-	6.7.0	Rel-6	Correction to PSTN Termination	withdrawn	F		IMS2	S2
SP-040896	23.228	456	-	6.7.0	Rel-6	Correction to PSTN Termination	approved	F	6.8.0	IMS2	S2
SP-040896	23.228	458	1	6.7.0	Rel-6	Removal of support for local services	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	458	1	6.7.0	Rel-6	Removal of support for local services	withdrawn	F		IMS2	S2
SP-040896	23.228	459	-	6.7.0	Rel-6	Removal of Editor's Note on ISC	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	459	-	6.7.0	Rel-6	Removal of Editor's Note on ISC	withdrawn	F		IMS2	S2
SP-040896	23.228	460	-	6.7.0	Rel-6	Changes to SIP URL terminology	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	460	-	6.7.0	Rel-6	Changes to SIP URL terminology	withdrawn	F		IMS2	S2
SP-040754	23.228	461	2	6.7.0	Rel-6	Reorganization and clarification of session flows	withdrawn	F		IMS2	S2
SP-040896	23.228	461	2	6.7.0	Rel-6	Reorganization and clarification of session flows	approved	F	6.8.0	IMS2	S2
SP-040754	23.228	462	1	6.7.0	Rel-6	Changes for commonality in regards to token generation	withdrawn	F		IMSCOOP	S2
SP-040896	23.228	462	1	6.7.0	Rel-6	Changes for commonality in regards to token generation	approved	F	6.8.0	IMSCOOP	S2
SP-040896	23.228	464	1	6.7.0	Rel-6	Tel-URI related reference updates	approved	D	6.8.0	IMS2	S2
SP-040754	23.228	464	1	6.7.0	Rel-6	Tel-URI related reference updates	withdrawn	D		IMS2	S2
SP-040896	23.228	465	-	5.12.0	Rel-5	Forward HSS name	approved	F	6.8.0	IMS-CCR	S2
SP-040754	23.228	465	-	5.12.0	Rel-5	Forward HSS name	withdrawn	F		IMS-CCR	S2
SP-040896	23.228	466	-	6.7.0	Rel-6	Forward HSS name	approved	A	6.8.0	IMS-CCR	S2
SP-040754	23.228	466	-	6.7.0	Rel-6	Forward HSS name	withdrawn	A		IMS-CCR	S2
SP-040754	23.228	467	1	6.7.0	Rel-6	Informing AS on Registration	withdrawn	F		IMS2	S2
SP-040896	23.228	467	1	6.7.0	Rel-6	Informing AS on Registration	approved	F	6.8.0	IMS2	S2
SP-040755	23.234	062	2	6.2.0	Rel-6	Enhancements of Wd Interface	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	083	2	6.2.0	Rel-6	Charging in WLAN interworking architecture	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	086	6	6.2.0	Rel-6	Correction of online charging disconnect procedure	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	087	1	6.2.0	Rel-6	Clarification on network selection	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	088	-	6.2.0	Rel-6	Clarification on Wm reference point	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	089	1	6.2.0	Rel-6	Correction of multiple service authorization requirement	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	090	2	6.2.0	Rel-6	Removal of WLAN UE registration at tunnel establishment	approved	F	6.3.0	WLAN	S2

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SP-040755	23.234	091	1	6.2.0	Rel-6	Providing configuration parameter to the WLAN UE during tunnel establishment	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	092	-	6.2.0	Rel-6	Correction of references	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	093	1	6.2.0	Rel-6	Removing tunnel redirection option	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	094	1	6.2.0	Rel-6	Revision of PLMN selection procedure	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	095	2	6.2.0	Rel-6	Revision of Ww reference point definition	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	097	3	6.2.0	Rel-6	Supplement to the subscriber profile procedure	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	099	1	6.2.0	Rel-6	Addition of reference	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	100	1	6.2.0	Rel-6	Clarification of the procedure to disconnect the last tunnel	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	101	-	6.2.0	Rel-6	Remove duplicated charging requirement for the PDG	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	102	3	6.2.0	Rel-6	Consistant Wording, Spacing, and Grammar Readability Changes	approved	D	6.3.0	WLAN	S2
SP-040755	23.234	104	3	6.2.0	Rel-6	Rewording Readability Changes Section 1	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	105	3	6.2.0	Rel-6	Rewording Readability Changes Section 3	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	107	3	6.2.0	Rel-6	Section 5 Reordering	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	109	2	6.2.0	Rel-6	3GPP WLAN User profile Update	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	110	1	6.2.0	Rel-6	Removal of unused references.	approved	F	6.3.0	WLAN	S2
SP-040755	23.234	111	1	6.2.0	Rel-6	Redraw of diagrams in section 7	approved	D	6.3.0	WLAN	S2
SP-040755	23.234	112	2	6.2.0	Rel-6	Editorial corrections	approved	D	6.3.0	WLAN	S2
SP-040755	23.234	113	1	6.2.0	Rel-6	Correction on Annex E	approved	F	6.3.0	WLAN	S2
SP-040756	23.236	013	1	5.2.0	Rel-5	Clarification of NRI position within (P)-TMSI	withdrawn	F		TEI5	S2
SP-040900	23.236	013	2	5.2.0	Rel-5	Clarification of NRI position within (P)-TMSI	approved	F	5.3.0	TEI	S2
SP-040756	23.236	014	1	5.2.0	Rel-5	Clarification of BSC behaviour in Gb-flex	withdrawn	F		TEI5	S2
SP-040900	23.236	014	2	5.2.0	Rel-5	Clarification of BSC behaviour in Gb-flex	approved	F	5.3.0	TEI5	S2
SP-040757	23.240	025	-	6.5.0	Rel-6	Removal of UE as GUP Data Repository	approved	F	6.6.0	GUP	S2
SP-040904	23.246	072	7	6.4.0	Rel-6	MBMS Broadcast Session Stop Procedure	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	072	7	6.4.0	Rel-6	MBMS Broadcast Session Stop Procedure	withdrawn	F		MBMS	S2
SP-040904	23.246	096	5	6.4.0	Rel-6	Clarification of BM-SC functions	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	096	5	6.4.0	Rel-6	Clarification of BM-SC functions	withdrawn	F		MBMS	S2
SP-040758	23.246	105	2	6.4.0	Rel-6	Change between supporting and non-supporting SGSN	withdrawn	F		MBMS	S2
SP-040904	23.246	105	2	6.4.0	Rel-6	Change between supporting and non-supporting SGSN	approved	F	6.5.0	MBMS	S2
SP-040904	23.246	108	1	6.4.0	Rel-6	Clarification of MBMS Service Area definition	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	108	1	6.4.0	Rel-6	Clarification of MBMS Service Area definition	withdrawn	F		MBMS	S2
SP-040904	23.246	110	3	6.4.0	Rel-6	MBMS Architecture Modification – CBC (cell broadcast centre) Part	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	110	3	6.4.0	Rel-6	MBMS Architecture Modification - CBC Part	withdrawn	F		MBMS	S2
SP-040904	23.246	111	3	6.4.0	Rel-6	How to avoid overloading the central server after sending service announcement	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	111	3	6.4.0	Rel-6	How to Avoid Overloading the Central Server after Sending Service Announcement	withdrawn	F		MBMS	S2
SP-040758	23.246	112	2	6.4.0	Rel-6	Correction for MBMS Multicast Deactivation Procedure	withdrawn	F		MBMS	S2
SP-040904	23.246	112	2	6.4.0	Rel-6	Correction for MBMS Multicast Deactivation Procedure	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	115	2	6.4.0	Rel-6	Corrections for Inter SGSN Serving RNS Relocation & Routing Area Update Cases	withdrawn	F		MBMS	S2
SP-040904	23.246	115	2	6.4.0	Rel-6	Corrections for Inter SGSN Serving RNS Relocation & Routing Area Update Cases	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	117	1	6.4.0	Rel-6	Guaranteed bitrate for Streaming MBMS	withdrawn	F		MBMS	S2
SP-040904	23.246	117	1	6.4.0	Rel-6	Guaranteed bitrate for Streaming MBMS	approved	F	6.5.0	MBMS	S2
SP-040904	23.246	119	2	6.4.0	Rel-6	Correction on MBMS Multicast Service Deactivation procedure	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	119	2	6.4.0	Rel-6	Correction on MBMS Mulitcast Service Deactivation procedure	withdrawn	F		MBMS	S2
SP-040758	23.246	122	2	6.4.0	Rel-6	MBMS Charging Related Correction	withdrawn	F		MBMS	S2
SP-040904	23.246	122	2	6.4.0	Rel-6	Charging Related Correction for MBMS	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	123	1	6.4.0	Rel-6	MBMS Architecture Related Correction	withdrawn	F		MBMS	S2
SP-040904	23.246	123	1	6.4.0	Rel-6	MBMS Architecture Related Correction	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	124	1	6.4.0	Rel-6	General editorial correction for MBMS	withdrawn	D		MBMS	S2

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SP-040904	23.246	124	1	6.4.0	Rel-6	General editorial correction for MBMS	approved	D	6.5.0	MBMS	S2
SP-040758	23.246	126	2	6.4.0	Rel-6	Separate MBMS Sessions for 2G and 3G for same MBMS Bearer Service	withdrawn	F		MBMS	S2
SP-040904	23.246	126	2	6.4.0	Rel-6	Separate MBMS Sessions for 2G and 3G for same MBMS Bearer Service	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	129	3	6.4.0	Rel-6	MBMS UE context synchronisation	withdrawn	F		MBMS	S2
SP-040904	23.246	129	3	6.4.0	Rel-6	MBMS UE context synchronisation	approved	F	6.5.0	MBMS	S2
SP-040904	23.246	131	1	6.4.0	Rel-6	Delaying data transfer at session start	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	131	1	6.4.0	Rel-6	Delaying data transfer at session start	withdrawn	F		MBMS	S2
SP-040758	23.246	133	2	6.4.0	Rel-6	List of number of PMM-IDLE UEs per RA parameter for RAN	withdrawn	F		MBMS	S2
SP-040904	23.246	133	2	6.4.0	Rel-6	List of number of PMM-IDLE UEs per RA parameter for RAN	approved	F	6.5.0	MBMS	S2
SP-040904	23.246	134	1	6.4.0	Rel-6	MBMS UE context via MBMS UE Linking procedure	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	134	1	6.4.0	Rel-6	MBMS UE context via MBMS UE Linking procedure	withdrawn	F		MBMS	S2
SP-040904	23.246	135	2	6.4.0	Rel-6	Clarification of MBMS UE Linking handling	approved	F	6.5.0	MBMS	S2
SP-040758	23.246	135	2	6.4.0	Rel-6	Clarification of MBMS UE Linking handling	withdrawn	F		MBMS	S2
SP-040759	23.251	007	1	6.1.0	Rel-6	Inclusion of informative Annex "NRI allocation examples"	approved	F	6.2.0	NTSH AR	S2
SP-040759	23.251	008	3	6.1.0	Rel-6	Indication of selected CN operator in connected mode	approved	F	6.2.0	NTSH AR	S2
SP-040760	23.271	281	-	4.12.0	Rel-4	Resolving invalid references	approved	F	4.13.0	LCS2	S2
SP-040760	23.271	282	1	5.12.0	Rel-5	Resolving invalid references	approved	F	5.13.0	LCS2	S2
SP-040760	23.271	283	1	6.9.0	Rel-6	Resolving invalid references	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	285	1	6.9.0	Rel-6	Service Type checking corrections	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	286	-	6.9.0	Rel-6	Privacy mechanism at deferred location request – UE available event	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	287	1	6.9.0	Rel-6	QoS Class at Deferred Location Request	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	288	2	6.9.0	Rel-6	Correction on the Figure A.2	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	289	1	6.9.0	Rel-6	Correction in the section 7.1.1	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	290	2	6.9.0	Rel-6	Clarifications on the LCS authorisation response	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	292	3	6.9.0	Rel-6	Delete new address of MSC/SGSN from Subscriber Location Report	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	294	1	6.9.0	Rel-6	NA-ESRD Provision for NI-LR Location Based Routing in North America	approved	F	6.10.0	LCS2	S2
SP-040760	23.271	295	1	6.9.0	Rel-6	POI applicability	approved	F	6.10.0	LCS2	S2
SP-040761	23.981	004	1	6.1.0	Rel-6	Clarification to the Interworking support in dual stack IM CN subsystem	approved	F	6.2.0	IPV4I MS	S2
NP-040501	24.007	068	-	4.3.0	Rel-4	Sequence numbering for SS via PS	approved	F	4.4.0	TEI4	N1
NP-040501	24.007	069	-	5.2.0	Rel-5	Sequence numbering for SS via PS	approved	A	5.3.0	TEI4	N1
NP-040501	24.007	070	-	6.2.0	Rel-6	Sequence numbering for SS via PS	approved	A	6.3.0	TEI4	N1
NP-040504	24.008	907	-	6.6.0	Rel-6	MBMS update	approved	F	6.7.0	MBMS	N1
NP-040504	24.008	908	2	6.6.0	Rel-6	NSAPI at MBMS context activation	approved	C	6.7.0	MBMS	N1
NP-040514	24.008	910	2	6.6.0	Rel-6	Correction of terminology -GSM and UMTS	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	911	1	6.6.0	Rel-6	Paging for GPRS Services in GSM	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	912	1	6.6.0	Rel-6	Service request conditions	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	913	1	6.6.0	Rel-6	Service request - Abnormal cases in the MS	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	914	2	6.6.0	Rel-6	No follow on proceed indication	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	915	3	6.6.0	Rel-6	Mobile identity - No identity	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	920	1	6.6.0	Rel-6	Correction of the description of causes #7 and #8 in Annex G.6	approved	F	6.7.0	TEI6	N1
NP-040514	24.008	921	1	6.6.0	Rel-6	CC cause reference correction	approved	F	6.7.0	TEI6	N1
NP-040510	24.008	922	-	6.6.0	Rel-6	Addition of DTM enhancements capability	approved	B	6.7.0	PSint DTM-Reduct	N1
NP-040514	24.008	923	-	6.6.0	Rel-6	Handling of zero T3312 timer value	approved	C	6.7.0	TEI6	N1

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NP-040514	24.008	924	-	6.6.0	Rel-6	Introduction of new references for DTMF	approved	F	6.7.0	TEI6	N1
NP-040513	24.008	926	2	6.6.0	Rel-6	Location registration in a shared network when multiple PLMNs are broadcast	approved	B	6.7.0	NTShar	N1
NP-040513	24.008	927	1	6.6.0	Rel-6	Reject cause ranking during rerouting in MOCN	approved	B	6.7.0	NTShar	N1
NP-040542	24.030	020	1	6.1.0	Rel-6	Correction of missing description for T(LCSN) and T(LCSL)	approved	F	6.2.0	LCS2	N4
NP-040542	24.080	038	-	6.1.0	Rel-6	Correction of setting for timer T(LCSL)	approved	F	6.2.0	LCS2	N4
NP-040522	24.080	040	1	4.3.1	Rel-4	Sequence numbering for SS via PS	approved	F	4.4.0	TEI4	N4
NP-040522	24.080	041	1	5.4.0	Rel-5	Sequence numbering for SS via PS	approved	A	5.5.0	TEI4	N4
NP-040522	24.080	042	1	6.1.0	Rel-6	Sequence numbering for SS via PS	approved	A	6.2.0	TEI4	N4
NP-040511	24.109	001	1	6.0.0	Rel-6	Corrections and clarifications to clause 4 and example flows	approved	F	6.1.0	SEC1-SC	N1
NP-040511	24.109	002	1	6.0.0	Rel-6	Corrections and clarifications to clause 5 and example flows	approved	F	6.1.0	SEC1-SC	N1
NP-040511	24.109	003	1	6.0.0	Rel-6	Update of Authentication Proxy Procedures	approved	F	6.1.0	SEC1-SC	N1
NP-040511	24.109	005	-	6.0.0	Rel-6	Clarification of Ua usage	approved	F	6.1.0	SEC1-SC	N1
NP-040511	24.109	006	1	6.0.0	Rel-6	Correction of User Agent Header	approved	F	6.1.0	SEC1-SC	N1
NP-040511	24.109	007	1	6.0.0	Rel-6	B-TID transfer	approved	B	6.1.0	SEC1-SC	N1
NP-040511	24.109	008	1	6.0.0	Rel-6	AP signalling flow example	approved	B	6.1.0	SEC1-SC	N1
NP-040512	24.109	009	1	6.0.0	Rel-6	Authorization flag transfer between AP and AS	approved	C	6.1.0	SEC1-SC	N1
NP-040511	24.109	010	1	6.0.0	Rel-6	Editorials	approved	D	6.1.0	SEC1-SC	N1
NP-040503	24.141	019	1	6.1.0	Rel-6	Clarifications to Ut	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	020	-	6.1.0	Rel-6	Alignment between PUA and watcher for draft-ietf-geopriv-pidf-lo-01	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	021	-	6.1.0	Rel-6	Introduction of XCAP client and XCAP server	revised	F		PRESNC	N1
NP-040593	24.141	021	1	6.1.0	Rel-6	Introduction of XCAP client and XCAP server	revised	F		PRESNC	N1
NP-040593	24.141	021	2	6.1.0	Rel-6	Introduction of XCAP client and XCAP server	revised	F		PRESNC	N1
NP-040599	24.141	021	2	6.1.0	Rel-6	Introduction of XCAP client and XCAP server	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	022	1	6.1.0	Rel-6	Correction of XCAP change flow	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	023	-	6.1.0	Rel-6	Delete Authentication Proxy Requirements	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	024	1	6.1.0	Rel-6	Aligning Presence data model with IETF	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	025	1	6.1.0	Rel-6	IETF reference update (SIP specific parts)	approved	F	6.2.0	PRESNC	N1
NP-040503	24.141	026	1	6.1.0	Rel-6	IETF reference update (XCAP)	approved	F	6.2.0	PRESNC	N1

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NP-040503	24.141	027	1	6.1.0	Rel-6	Updates to Partial publication	approved	F	6.2.0	PRES NC	N1
NP-040503	24.141	028	1	6.1.0	Rel-6	Correction to Watcher Information message flow	approved	F	6.2.0	PRES NC	N1
NP-040503	24.141	030	1	6.1.0	Rel-6	Preventing loop in RLS subscriptions	approved	C	6.2.0	PRES NC	N1
NP-040503	24.141	032	-	6.1.0	Rel-6	Filter criteria update	approved	F	6.2.0	PRES NC	N1
NP-040505	24.147	001	-	6.0.0	Rel-6	Removing editor's note on other protocols	approved	C	6.1.0	IMS2	N1
NP-040505	24.147	007	-	6.0.0	Rel-6	Alternative procedure for removing all conference participants	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	008	1	6.0.0	Rel-6	Update of SIP Chapter to new CPCP terminology	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	009	-	6.0.0	Rel-6	Update of CPCP Chapter	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	010	1	6.0.0	Rel-6	Removal of "Conference Notification Service" Role	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	011	1	6.0.0	Rel-6	Update of signaling flows	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	012	1	6.0.0	Rel-6	Introduction of XCAP Change	approved	B	6.1.0	IMS2	N1
NP-040505	24.147	013	1	6.0.0	Rel-6	Correction of BFCP clause	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	016	1	6.0.0	Rel-6	Correction Flow Adding a user to the conference with CPCP	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	017	1	6.0.0	Rel-6	Correction - Flow "conference creation with CPCP"	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	018	1	6.0.0	Rel-6	Correction expelling/terminating flow using CPCP	approved	F	6.1.0	IMS2	N1
NP-040505	24.147	019	-	6.0.0	Rel-6	p-asserted id in response from conf AS/MRFC	approved	F	6.1.0	IMS2	N1
NP-040502	24.228	136	-	5.10.0	Rel-5	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	approved	F	5.11.0	IMS-CCR	N1
NP-040506	24.229	651	4	6.4.0	Rel-6	Downloading the user profile based on User-Data-Request-Type	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	703	2	6.4.0	Rel-6	SDP Encryption	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	704	1	6.4.0	Rel-6	RTCP streams	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	709	-	6.4.0	Rel-6	Contact in 200(OK) response	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	710	1	6.4.0	Rel-6	P-Access-Network-Info header	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	711	1	6.4.0	Rel-6	P-Called-Party-ID header	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	713	1	6.4.0	Rel-6	IMS-ALG routing	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	714	1	6.4.0	Rel-6	Public User Identity	approved	F	6.5.0	IMS2	N1
NP-040506	24.229	715	1	6.4.0	Rel-6	"Pres" and "im" URIs	approved	F	6.5.0	IMS2	N1
NP-040502	24.229	722	1	5.10.0	Rel-5	Correction Term IOI handling	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	723	1	6.4.0	Rel-6	Correction Term IOI handling	approved	A	6.5.0	IMS-CCR	N1
NP-040502	24.229	724	1	5.10.0	Rel-5	Request handling in S-CSCF originating case	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	725	1	6.4.0	Rel-6	Request handling in S-CSCF originating case	approved	A	6.5.0	IMS-CCR	N1
NP-040502	24.229	726	1	5.10.0	Rel-5	Request handling in S-CSCF - terminating case	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	727	1	6.4.0	Rel-6	Request handling in S-CSCF - terminating case	approved	A	6.5.0	IMS-CCR	N1
NP-040506	24.229	728	-	6.4.0	Rel-6	SBLP and non-realtime PDP contexts	approved	F	6.5.0	IMS2	N1
NP-040590	24.229	730	2	6.4.0	Rel-6	Reference updates	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	730	2	6.4.0	Rel-6	Reference updates	withdrawn	F		IMS2	N1
NP-040507	24.229	733	3	6.4.0	Rel-6	Support for extended SigComp	withdrawn	F		IMS2	N1
NP-040590	24.229	733	3	6.4.0	Rel-6	Support for extended SigComp	approved	F	6.5.0	IMS2	N1
NP-040590	24.229	734	2	6.4.0	Rel-6	Correction to subclause 5.1.3 of TS 24,229	approved	F	6.5.0	IMS2	N1

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NP-040507	24.229	734	2	6.4.0	Rel-6	Correction to subclause 5.1.3 of TS 24,229	withdrawn	F		IMS2	N1
NP-040507	24.229	735	1	6.4.0	Rel-6	Correction to subclause 5.1.4.1.2.3 of TS 24,.229	withdrawn	F		IMS2	N1
NP-040590	24.229	735	1	6.4.0	Rel-6	Correction to subclause 5.1.4.1.2.3 of TS 24,.229	approved	F	6.5.0	IMS2	N1
NP-040502	24.229	737	1	5.10.0	Rel-5	Population of Via header when using REGISTER method	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	738	1	6.4.0	Rel-6	Population of Via header when using REGISTER method	approved	A	6.5.0	IMS-CCR	N1
NP-040590	24.229	739	-	6.4.0	Rel-6	Tel-URI related reference updates	approved	C	6.5.0	IMS2	N1
NP-040507	24.229	739	-	6.4.0	Rel-6	Tel-URI related reference updates	withdrawn	C		IMS2	N1
NP-040590	24.229	741	1	6.4.0	Rel-6	Throttling	approved	C	6.5.0	IMS2	N1
NP-040507	24.229	741	1	6.4.0	Rel-6	Throttling	withdrawn	C		IMS2	N1
NP-040507	24.229	742	-	6.4.0	Rel-6	Editorial correction resulting from CR665	withdrawn	D		IMS2	N1
NP-040590	24.229	742	-	6.4.0	Rel-6	Editorial correction resulting from CR665	approved	D	6.5.0	IMS2	N1
NP-040590	24.229	743	-	6.4.0	Rel-6	Unprotected REGISTER corrections	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	743	-	6.4.0	Rel-6	Unprotected REGISTER corrections	withdrawn	F		IMS2	N1
NP-040590	24.229	744	1	6.4.0	Rel-6	Corrections to receiving SDP offer in 200 (OK) response	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	744	1	6.4.0	Rel-6	Corrections to receiving SDP offer in 200 (OK) response	withdrawn	F		IMS2	N1
NP-040590	24.229	745	1	6.4.0	Rel-6	Privacy corrections	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	745	1	6.4.0	Rel-6	Privacy corrections	withdrawn	F		IMS2	N1
NP-040590	24.229	747	2	6.4.0	Rel-6	Syntax of the P-Charging-Vector	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	747	2	6.4.0	Rel-6	Syntax of the P-Charging-Vector	withdrawn	F		IMS2	N1
NP-040590	24.229	752	2	6.4.0	Rel-6	Unavailability of the access-network-charging-info when the session is established without SBLP	approved	F	6.5.0	IMS2	N1
NP-040507	24.229	752	2	6.4.0	Rel-6	Unavailability of the access-network-charging-info when the session is established without SBLP	withdrawn	F		IMS2	N1
NP-040507	24.229	753	1	6.4.0	Rel-6	SIP messages carrying the access-network-charging-info for sessions without preconditions	withdrawn	F		IMS2	N1
NP-040590	24.229	753	1	6.4.0	Rel-6	SIP messages carrying the access-network-charging-info for sessions without preconditions	approved	F	6.5.0	IMS2	N1
NP-040502	24.229	754	1	5.10.0	Rel-5	Network-initiated deregistration for the old contact information of a roaming UE registered in a new network	approved	F	5.11.0	IMS-CCR	N1
NP-040507	24.229	755	1	6.4.0	Rel-6	Network-initiated deregistration for multiple UEs sharing the same user public identity and for the old contact information of a roaming UE registered in a new network	withdrawn	F		IMS2	N1
NP-040590	24.229	755	1	6.4.0	Rel-6	Network-initiated deregistration for multiple UEs sharing the same user public identity and for the old contact information of a roaming UE registered in a new network	approved	F	6.5.0	IMS2	N1
NP-040502	24.229	764	1	5.10.0	Rel-5	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	765	1	6.4.0	Rel-6	Interaction between S-CSCF and HSS in Network initiated deregistration procedure	approved	A	6.5.0	IMS-CCR	N1
NP-040502	24.229	767	1	5.10.0	Rel-5	Downloading of user profile	approved	F	5.11.0	IMS-CCR	N1
NP-040502	24.229	768	1	6.4.0	Rel-6	Downloading of user profile	approved	A	6.5.0	IMS-CCR	N1
NP-040508	24.234	001	1	6.0.0	Rel-6	Alignment of the WLAN identities' lists	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	002	1	6.0.0	Rel-6	I-WLAN Parameters coding –Pseudonym and re-authentication identity	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	003	2	6.0.0	Rel-6	References clean-up	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	004	1	6.0.0	Rel-6	Introduction of protected result indications	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	006	-	6.0.0	Rel-6	Removal of the PDG Redirection feature	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	008	1	6.0.0	Rel-6	Restructuring of clause 5	approved	F	6.1.0	WLAN	N1
NP-040508	24.234	009	1	6.0.0	Rel-6	Cleaning of Editors Notes	approved	D	6.1.0	WLAN	N1
NP-040508	24.234	011	2	6.0.0	Rel-6	Timers in Scenario 3	approved	B	6.1.0	WLAN	N1
NP-040508	24.234	014	1	6.0.0	Rel-6	Editorial change to chapter 8	approved	D	6.1.0	WLAN	N1
NP-040509	24.234	015	4	6.0.0	Rel-6	PLMN Selection for WLAN	rejected	B		WLAN	N1

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RP-040412	25.101	368	1	6.5.0	Rel-6	Correction to Windup testcase	approved	F	6.6.0	TEI6	R4
RP-040407	25.101	369	-	5.12.0	Rel-5	Modification of Section 9.3 of HSDPA requirements	approved	F	5.13.0	HSDPA-RF	R4
RP-040414	25.101	373	2	6.5.0	Rel-6	Corrections to 7.4.2 maximum input level for HS-PDSCH reception	approved	F	6.6.0	HSDPA-RF	R4
RP-040414	25.101	377	1	6.5.0	Rel-6	Corrections to 9.3 reporting of CQI	approved	F	6.6.0	HSDPA-RF	R4
RP-040414	25.101	379	2	6.5.0	Rel-6	Corrections to 9.4 detection of HS-SCCH	approved	F	6.6.0	HSDPA-RF	R4
RP-040414	25.101	383	3	6.5.0	Rel-6	H Set-4/5 pattern length	approved	F	6.6.0	HSDPA-RF	R4
RP-040406	25.101	384	1	5.12.0	Rel-5	Omissions in 7.6 (Blocking)	approved	F	5.13.0	TEI5	R4
RP-040406	25.101	385	1	6.5.0	Rel-6	Omissions in 7.6 (Blocking)	approved	A	6.6.0	TEI5	R4
RP-040534	25.101	386	-	6.5.0	Rel-6	Enhanced performance requirements on FRC throughput for PA3 cases	approved	B	6.6.0	RInImp-HSPerf-RxDiv	R4
RP-040409	25.101	386	-	6.5.0	Rel-6	Enhanced performance requirement on FRC throughput for PA3 cases	withdrawn	B		RInImp-HSPerf-RxDiv	R4
RP-040410	25.104	230	-	6.7.0	Rel-6	Power Control step requirements for 1.5dB and 2.0dB	approved	F	6.8.0	TEI6	R4
RP-040411	25.105	155	-	6.1.0	Rel-6	Clarification to note of spurious emission in case co-existence with UTRA-FDD	approved	F	6.2.0	TEI6	R4
RP-040412	25.105	156	-	6.1.0	Rel-6	Addition of Co-existence with unsynchronized TDD item in regional requirement list	approved	F	6.2.0	TEI6	R4
RP-040412	25.113	023	-	6.0.0	Rel-6	Requirement for surge for outdoor telecommunication cable	approved	F	6.1.0	TEI6	R4
RP-040412	25.113	024	1	6.0.0	Rel-6	Transmitter and receiver exclusions bands for Bands IV, V and VI	approved	F	6.1.0	TEI6	R4
RP-040412	25.133	698	-	6.7.0	Rel-6	Clarification of Inter-RAT hand over test parameters.	approved	F	6.8.0	TEI6	R4
RP-040412	25.133	702	-	6.7.0	Rel-6	Correction to UE transmitted power measurement	approved	F	6.8.0	TEI6	R4
RP-040408	25.133	703	-	5.12.0	Rel-5	Target Quality on DTCH	approved	F	5.13.0	TEI5	R4
RP-040408	25.133	704	-	6.7.0	Rel-6	Target Quality on DTCH	approved	A	6.8.0	TEI5	R4
RP-040408	25.133	705	-	5.12.0	Rel-5	Harmonisation of TS25.133 and TS34.108	approved	F	5.13.0	TEI5	R4
RP-040408	25.133	706	-	6.7.0	Rel-6	Harmonisation of TS25.133 and TS34.108	approved	A	6.8.0	TEI5	R4
RP-040460	25.133	707	-	6.7.0	Rel-6	Introduction of 'DL Transmission Branch Load Measurement'	rejected	B		TEI6	R4
RP-040410	25.141	356	-	6.7.0	Rel-6	Power Control step test requirements for 1.5dB and 2.0dB	approved	F	6.8.0	TEI6	R4
RP-040412	25.141	357	-	6.7.0	Rel-6	Correction to RACH message demodulation test	approved	F	6.8.0	TEI6	R4
RP-040411	25.142	172	-	6.1.0	Rel-6	Clarification to note of spurious emission in case co-existence with UTRA-FDD	approved	A	6.2.0	TEI6	R4
RP-040413	25.171	001	2	6.0.0	Rel-6	Removal of inconsistencies in TS 25.171	approved	F	6.1.0	LCS-UEPos-AGPSPerf	R4
RP-040449	25.201	019	-	6.0.0	Rel-6	Introduction of E-DCH	approved	B	6.1.0	EDCH-Phys	R1
RP-040450	25.211	193	1	6.2.0	Rel-6	Introduction of MICH	approved	B	6.3.0	MBMS-RAN	R1
RP-040449	25.211	195	1	6.2.0	Rel-6	Introduction of E-DCH	approved	B	6.3.0	EDCH-Phys	R1

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RP-040446	25.212	192	2	6.2.0	Rel-6	Introduction of MBMS Soft Combining	approved	B	6.3.0	MBMS -RAN	R1
RP-040527	25.212	195	-	6.2.0	Rel-6	Preamble and Postamble to reduce HS-DPCCH transmit power	approved	B	6.3.0	RANi mp- RABS E- ACKN ACK	R1
RP-040449	25.212	196	2	6.2.0	Rel-6	Introduction of E-DCH	approved	B	6.3.0	EDCH -Phys	R1
RP-040450	25.213	069	-	6.0.0	Rel-6	Introduction of MICH	approved	B	6.1.0	MBMS -RAN	R1
RP-040449	25.213	071	2	6.0.0	Rel-6	Introduction of E-DCH	revised	B		EDCH -Phys	R1
RP-040539	25.213	071	3	6.0.0	Rel-6	Introduction of E-DCH	approved	B	6.1.0	EDCH -Phys	R1
RP-040450	25.214	351	-	6.3.0	Rel-6	Introduction of MICH	approved	B	6.4.0	MBMS -RAN	R1
RP-040448	25.214	356	1	6.3.0	Rel-6	Introduction of MBMS Soft Combining	approved	B	6.4.0	MBMS -RAN	R1
RP-040527	25.214	358	1	6.3.0	Rel-6	Preamble and Postamble to reduce HS-DPCCH transmit power	approved	B	6.4.0	RANi mp- RABS E- ACKN ACK	R1
RP-040447	25.214	359	-	5.9.0	Rel-5	Correction of downlink transmit power control in compressed mode	approved	F	5.10.0	TEI5	R1
RP-040447	25.214	360	-	6.3.0	Rel-6	Correction of downlink transmit power control in compressed mode	approved	A	6.4.0	TEI6	R1
RP-040449	25.214	361	1	6.3.0	Rel-6	Introduction of E-DCH	approved	B	6.4.0	EDCH -Phys	R1
RP-040455	25.215	147	3	6.0.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	rejected	B		TEI6	R1
RP-040449	25.215	149	1	6.0.0	Rel-6	Introduction of E-DCH	approved	B	6.1.0	EDCH -Phys	R1
RP-040524	25.215	150	-	3.12.0	R99	Removal of TGPL2	rejected	F		TEI	R1
RP-040524	25.215	151	-	4.7.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R1
RP-040524	25.215	152	-	5.5.0	Rel-5	Removal of TGPL2	rejected	A		TEI	R1
RP-040524	25.215	153	-	6.0.0	Rel-6	Removal of TGPL2	rejected	A		TEI	R1
RP-040451	25.221	117	-	6.1.0	Rel-6	Introduction of MICH	approved	B	6.2.0	MBMS -RAN	R1
RP-040451	25.222	125	-	6.1.0	Rel-6	Introduction of MICH	approved	B	6.2.0	MBMS -RAN	R1
RP-040451	25.224	138	-	6.2.0	Rel-6	Introduction of MICH	approved	B	6.3.0	MBMS -RAN	R1
RP-040452	25.224	139	-	6.2.0	Rel-6	Introduction of MBMS soft combining for TDD	approved	B	6.3.0	MBMS -RAN	R1
RP-040459	25.224	140	1	6.2.0	Rel-6	Improvements to uplink closed-loop power control for 1.28Mcps TDD	rejected	C		TEI6	R1
RP-040484	25.301	071	-	6.0.0	Rel-6	Introduction of Enhanced Uplink	approved	B	6.1.0	EDCH -L23	R2
RP-040485	25.302	146	-	6.1.0	Rel-6	Introduction of Enhanced Uplink	revised	B		EDCH -L23	R2

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RP-040540	25.302	146	1	6.1.0	Rel-6	Introduction of Enhanced Uplink	revised	B		EDCH-L23	R2
RP-040550	25.302	146	2	6.1.0	Rel-6	Introduction of Enhanced Uplink	approved	B	6.2.0	EDCH-L23	R2
RP-040460	25.302	147	-	6.1.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	rejected	B		TEI6	R2
RP-040478	25.303	075	-	5.1.0	Rel-5	Clarification of inter-layer dependencies	approved	F	5.2.0	TEI5	R2
RP-040478	25.303	076	-	6.1.0	Rel-6	Clarification of inter-layer dependencies	approved	A	6.2.0	TEI5	R2
RP-040506	25.304	120	1	5.6.0	Rel-5	Correction to cell selection and reselection parameters	revised	B		TEI5	R2
RP-040526	25.304	120	2	5.6.0	Rel-5	Cell selection and reselection parameters	approved	B	5.7.0	TEI5	R2
RP-040506	25.304	121	1	6.3.0	Rel-6	Correction to cell selection and reselection parameters	revised	B		TEI5	R2
RP-040526	25.304	121	2	6.3.0	Rel-6	Cell selection and reselection parameters	approved	B	6.4.0	TEI5	R2
RP-040506	25.304	122	-	5.6.0	Rel-5	Use of access class restrictions at Inter-RAT cell change	approved	F	5.7.0	TEI5	R2
RP-040506	25.304	123	-	6.3.0	Rel-6	Use of access class restrictions at Inter-RAT cell change	approved	A	6.4.0	TEI5	R2
RP-040494	25.304	124	-	6.3.0	Rel-6	Network Sharing and multiple PLMN identities	approved	B	6.4.0	NTShar-UTRANEnh	R2
RP-040488	25.304	126	-	6.3.0	Rel-6	TS 25.304 Introduction of MBMS	approved	B	6.4.0	MBMS-RAN	R2
RP-040488	25.304	127	-	6.3.0	Rel-6	Addition of MBMS Frequency Layer Convergence to 25.304	approved	B	6.4.0	MBMS-RAN	R2
RP-040479	25.306	097	-	5.8.0	Rel-5	Alignment of MaxHcContextSpace	approved	F	5.9.0	TEI5	R2
RP-040479	25.306	098	-	6.2.0	Rel-6	Alignment of MaxHcContextSpace	approved	A	6.3.0	TEI5	R2
RP-040515	25.308	011	-	5.6.0	Rel-5	Removal of sentences into brackets	approved	F	5.7.0	HSDPA-L23	R2
RP-040515	25.308	012	-	6.2.0	Rel-6	Removal of sentences into brackets	approved	A	6.3.0	HSDPA-L23	R2
RP-040486	25.309	001	3	6.0.0	Rel-6	Inclusion of e.g. physical layer model, MAC architecture, detail Node B scheduler mechanism and QoS Control principles	approved	F	6.1.0	EDCH-Stage 2	R2
RP-040487	25.309	002	2	6.0.0	Rel-6	Scheduling Grants as E-DPDCH/DPCCH power ratio	approved	F	6.1.0	EDCH-Stage 2	R2
RP-040486	25.309	003	1	6.0.0	Rel-6	Proposed rewording on scheduler sections compared to CR 001r3	approved	F	6.1.0	EDCH-Stage 2	R2
RP-040487	25.309	004	-	6.0.0	Rel-6	Scheduling Grants as (E-DPDCH+DPDCH/DPCCH) power ratio	rejected	F		EDCH-Stage 2	R2
RP-040480	25.321	197	-	5.9.0	Rel-5	MAC-hs header extension	approved	F	5.10.0	HSDPA-L23	R2
RP-040480	25.321	198	-	6.2.0	Rel-6	MAC-hs header extension	approved	A	6.3.0	HSDPA-L23	R2
RP-040480	25.321	199	-	5.9.0	Rel-5	Clarification on the C/T field use in the HSDPA Mac-d header	approved	F	5.10.0	HSDPA-L23	R2

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RP-040480	25.321	200	-	6.2.0	Rel-6	Clarification on the C/T field use in the HSDPA Mac-d header	approved	A	6.3.0	HSDPA-L23	R2
RP-040489	25.321	201	1	6.2.0	Rel-6	Introduction of MBMS MAC header	approved	B	6.3.0	MBMS-RAN	R2
RP-040489	25.321	202	-	6.2.0	Rel-6	Introduction of MBMS	approved	B	6.3.0	MBMS-RAN	R2
RP-040497	25.321	203	-	6.2.0	Rel-6	Introduction of EUL in MAC specification	approved	B	6.3.0	EDCH-L23	R2
RP-040504	25.322	261	1	5.8.0	Rel-5	Correction of MRW SUFI content setting rule	approved	F	5.9.0	TEI5	R2
RP-040504	25.322	262	1	6.1.0	Rel-6	Correction of MRW SUFI content setting rule	approved	A	6.2.0	TEI5	R2
RP-040504	25.322	263	1	5.8.0	Rel-5	Correction of Poll Prohibit function	approved	F	5.9.0	TEI5	R2
RP-040504	25.322	264	1	6.1.0	Rel-6	Correction of Poll Prohibit function	approved	A	6.2.0	TEI5	R2
RP-040490	25.322	265	1	6.1.0	Rel-6	Inclusion of out of sequence SDU delivery	approved	B	6.2.0	MBMS-RAN	R2
RP-040490	25.322	266	-	6.1.0	Rel-6	Addition of MBMS Logical Channels and UM functionality for 'duplicate avoidance and reordering'.	approved	B	6.2.0	MBMS-RAN	R2
RP-040476	25.324	021	1	3.8.0	R99	Correction of BMC message bit order and IE coding	approved	F	3.9.0	TEI	R2
RP-040476	25.324	022	1	4.4.0	Rel-4	Correction of BMC message bit order and IE coding	approved	A	4.5.0	TEI	R2
RP-040476	25.324	023	1	5.4.0	Rel-5	Correction of BMC message bit order and IE coding	approved	A	5.5.0	TEI	R2
RP-040476	25.324	024	1	6.1.0	Rel-6	Correction of BMC message bit order and IE coding	approved	A	6.2.0	TEI	R2
RP-040481	25.331	2433	-	5.10.0	Rel-5	Correction to measured results on RACH	approved	F	5.11.0	TEI5	R2
RP-040481	25.331	2434	-	6.3.0	Rel-6	Correction to measured results on RACH	approved	A	6.4.0	TEI5	R2
RP-040481	25.331	2435	-	5.10.0	Rel-5	T305 handling upon a state transition	approved	F	5.11.0	TEI5	R2
RP-040481	25.331	2436	-	6.3.0	Rel-6	T305 handling upon a state transition	approved	A	6.4.0	TEI5	R2
RP-040481	25.331	2437	-	5.10.0	Rel-5	Handling of pending AM RLC unrecoverable errors signalled by cell update	approved	F	5.11.0	TEI5	R2
RP-040481	25.331	2438	-	6.3.0	Rel-6	Handling of pending AM RLC unrecoverable errors signalled by cell update	approved	A	6.4.0	TEI5	R2
RP-040476	25.331	2439	-	3.20.0	R99	Correction to maximum length of CTCH period	approved	F	3.21.0	TEI	R2
RP-040476	25.331	2440	-	4.15.0	Rel-4	Correction to maximum length of CTCH period	approved	A	4.16.0	TEI	R2
RP-040476	25.331	2441	-	5.10.0	Rel-5	Correction to maximum length of CTCH period	approved	A	5.11.0	TEI	R2
RP-040476	25.331	2442	-	6.3.0	Rel-6	Correction to maximum length of CTCH period	approved	A	6.4.0	TEI	R2
RP-040481	25.331	2443	-	5.10.0	Rel-5	TPC step size in default configurations	approved	F	5.11.0	TEI5	R2
RP-040481	25.331	2444	-	6.3.0	Rel-6	TPC step size in default configurations	approved	A	6.4.0	TEI5	R2
RP-040474	25.331	2445	-	3.20.0	R99	References to ITU-T Recommendations on ASN.1	approved	F	3.21.0	TEI	R2
RP-040474	25.331	2446	-	4.15.0	Rel-4	References to ITU-T Recommendations on ASN.1	approved	A	4.16.0	TEI	R2
RP-040474	25.331	2447	-	5.10.0	Rel-5	References to ITU-T Recommendations on ASN.1	approved	A	5.11.0	TEI	R2
RP-040474	25.331	2448	-	6.3.0	Rel-6	References to ITU-T Recommendations on ASN.1	approved	A	6.4.0	TEI	R2
RP-040477	25.331	2449	-	4.15.0	Rel-4	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	approved	F	4.16.0	LCRTDD-L23	R2
RP-040477	25.331	2450	-	5.10.0	Rel-5	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	approved	A	5.11.0	LCRTDD-L23	R2
RP-040477	25.331	2451	-	6.3.0	Rel-6	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	approved	A	6.4.0	LCRTDD-L23	R2
RP-040481	25.331	2452	-	5.10.0	Rel-5	Correction to HS-DSCH reception conditions	approved	F	5.11.0	HSDPA-L23	R2
RP-040481	25.331	2453	-	6.3.0	Rel-6	Correction to HS-DSCH reception conditions	approved	A	6.4.0	HSDPA-L23	R2

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RP-040481	25.331	2454	1	5.10.0	Rel-5	MAC-hs Reset procedure	approved	F	5.11.0	HSDPA-L23	R2
RP-040481	25.331	2455	1	6.3.0	Rel-6	MAC-hs Reset procedure	approved	A	6.4.0	HSDPA-L23	R2
RP-040482	25.331	2456	1	5.10.0	Rel-5	Correction to cell selection and reselection parameters	revised	B		TEI5	R2
RP-040526	25.331	2456	2	5.10.0	Rel-5	Cell selection and reselection parameters	approved	B	5.11.0	TEI5	R2
RP-040482	25.331	2457	1	6.3.0	Rel-6	Correction to cell selection and reselection parameters	revised	B		TEI5	R2
RP-040526	25.331	2457	2	6.3.0	Rel-6	Cell selection and reselection parameters	approved	B	6.4.0	TEI5	R2
RP-040482	25.331	2458	1	5.10.0	Rel-5	Clarification the PDCP capability- Max HC context space	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2459	1	6.3.0	Rel-6	Clarification the PDCP capability- Max HC context space	approved	A	6.4.0	TEI5	R2
RP-040482	25.331	2460	-	5.10.0	Rel-5	Corrections to IE "WAIT TIME" = 0	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2461	-	6.3.0	Rel-6	Corrections to IE "WAIT TIME" = 0	approved	A	6.4.0	TEI5	R2
RP-040482	25.331	2462	1	5.10.0	Rel-5	RRC transaction identifier in the MEASUREMENT CONTROL message	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2463	1	6.3.0	Rel-6	RRC transaction identifier in the MEASUREMENT CONTROL message	approved	A	6.4.0	TEI5	R2
RP-040482	25.331	2464	-	5.10.0	Rel-5	Correction to intra-frequency measurement handling in SIB11	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2465	-	6.3.0	Rel-6	Correction to intra-frequency measurement handling in SIB11	approved	A	6.4.0	TEI5	R2
RP-040477	25.331	2466	1	4.15.0	Rel-4	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	approved	F	4.16.0	TEI4	R2
RP-040477	25.331	2467	1	5.10.0	Rel-5	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	approved	F	5.11.0	TEI5	R2
RP-040477	25.331	2468	1	6.3.0	Rel-6	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	approved	F	6.4.0	TEI6	R2
RP-040482	25.331	2469	1	5.10.0	Rel-5	Clarification of Radio Bearer Downlink Ciphering Activation Time Info	approved	F	5.11.0	TEI5	R2
RP-040522	25.331	247	2	5.10.0	Rel-5	Criteria for initiating cell update on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2470	2	6.3.0	Rel-6	Clarification of Radio Bearer Downlink Ciphering Activation Time Info	approved	F	6.4.0	TEI6	R2
RP-040482	25.331	2471	1	5.10.0	Rel-5	TFC Subset Variable Usage and Application of Transport Format Combination Subset	revised	F		TEI5	R2
RP-040520	25.331	2471	2	5.10.0	Rel-5	TFC Subset Variable Usage and Application of Transport Format Combination Subset	approved	F	5.11.0	TEI5	R2
RP-040482	25.331	2472	1	6.3.0	Rel-6	TFC Subset Variable Usage and Application of Transport Format Combination Subset	revised	A		TEI5	R2
RP-040520	25.331	-2472	2	6.3.0	Rel-6	TFC Subset Variable Usage and Application of Transport Format Combination Subset	approved	A	6.4.0	TEI5	R2
RP-040505	25.331	2473	-	5.10.0	Rel-5	Use of preconfiguration in the RADIO BEARER RECONFIGURATION message	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2474	-	6.3.0	Rel-6	Use of preconfiguration in the RADIO BEARER RECONFIGURATION message	approved	A	6.4.0	TEI5	R2
RP-040505	25.331	2475	-	5.10.0	Rel-5	UTRAN setting of ciphering activation time for SRB2	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2476	-	6.3.0	Rel-6	UTRAN setting of ciphering activation time for SRB2	approved	A	6.4.0	TEI5	R2
RP-040505	25.331	2477	-	5.10.0	Rel-5	Correction to ASN1 IE "srb-SpecificIntegrityProtInfo"	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2478	-	6.3.0	Rel-6	Correction to ASN1 IE "srb-SpecificIntegrityProtInfo"	approved	A	6.4.0	TEI5	R2
RP-040505	25.331	2479	1	5.10.0	Rel-5	Criteria for initiating cell update on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	revised	F		TEI5	R2
RP-040522	25.331	248	2	6.3.0	Rel-6	Criteria for initiating cell update on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	approved	A	6.4.0	TEI6	R2
RP-040505	25.331	2480	1	6.3.0	Rel-6	Criteria for initiating cell update on receiving "Frequency info" IE in CELL UPDATE CONFIRM message	revised	A		TEI5	R2
RP-040505	25.331	2481	-	5.10.0	Rel-5	Traffic volume measurements in PCH states	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2482	-	6.3.0	Rel-6	Traffic volume measurements in PCH states	approved	A	6.4.0	TEI5	R2
RP-040505	25.331	2483	-	5.10.0	Rel-5	Failure cause indication on Cell Update	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2484	-	6.3.0	Rel-6	Failure cause indication on Cell Update	approved	A	6.4.0	TEI5	R2
RP-040495	25.331	2487	1	6.3.0	Rel-6	Network Sharing and multiple PLMN identities	approved	B	6.4.0	NTShar-UTRANEnh	R2
RP-040505	25.331	2492	-	5.10.0	Rel-5	Inter-RAT measurement control information used	approved	F	5.11.0	TEI5	R2
RP-040505	25.331	2493	-	6.3.0	Rel-6	Inter-RAT measurement control information used	approved	A	6.4.0	TEI5	R2

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RP-040491	25.331	2494	-	6.3.0	Rel-6	ASN.1 update for the introduction of MBMS	approved	B	6.4.0	MBMS-RAN	R2
RP-040491	25.331	2495	1	6.3.0	Rel-6	Introduction of MBMS	approved	B	6.4.0	MBMS-RAN	R2
RP-040493	25.331	2496	1	6.3.0	Rel-6	Preamble and Postamble to reduce HS-DPCCH transmit power	revised	B		RANimp-RABSE-ACKNACK	R2
RP-040543	25.331	2496	2	6.3.0	Rel-6	Preamble and Postamble to reduce HS-DPCCH transmit power	approved	B	6.4.0	RANimp-RABSE-ACKNACK	R2
RP-040507	25.331	2497	-	6.3.0	Rel-6	Introduction of E-DCH	approved	B	6.4.0	EDCH-L23	R2
RP-040492	25.346	006	1	6.2.0	Rel-6	Actions due to MBMS session repetition and MBMS service prioritisation	approved	F	6.3.0	MBMS-RAN	R2
RP-040492	25.346	007	1	6.2.0	Rel-6	Introduction of MSCH and soft combining and other general corrections	approved	F	6.3.0	MBMS-RAN	R2
RP-040492	25.346	008	-	6.2.0	Rel-6	Corrections to UE Linking, Session Start and addition of URA Linking and Information Exchange procedure	approved	F	6.3.0	MBMS-RAN	R2
RP-040492	25.346	009	-	6.2.0	Rel-6	Update of Annex B	approved	F	6.3.0	MBMS-RAN	R2
RP-040439	25.401	092	-	6.4.0	Rel-6	Support of MOCN and GWCN configurations in UTRAN	approved	B	6.5.0	NTShar-UTRANEnh	R3
RP-040440	25.401	094	1	6.4.0	Rel-6	Introduction of E-DCH in 25.401	approved	B	6.5.0	EDCH-IurIub	R3
RP-040437	25.401	095	1	6.4.0	Rel-6	CR for Introducing MBMS in 25.401	approved	B	6.5.0	MBMS-RAN	R3
RP-040436	25.402	044	1	6.0.0	Rel-6	Introduction to Fractional DPCH	withdrawn	B		RANimp-RABSE-CodeOptFDD	R3
RP-040437	25.402	045	3	6.0.0	Rel-6	MBMS related changes	approved	B	6.1.0	MBMS-RAN	R3
RP-040439	25.410	058	-	6.1.0	Rel-6	MOCN rerouting function	approved	B	6.2.0	NTShar-UTRANEnh	R3
RP-040437	25.410	059	2	6.1.0	Rel-6	Introduction of MBMS in TS25410	approved	B	6.2.0	MBMS-RAN	R3

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RP-040432	25.412	016	1	5.1.0	Rel-5	IP transport option correction	approved	F	5.2.0	ETRAN-iptrans	R3
RP-040432	25.412	017	1	6.0.0	Rel-6	IP transport option correction	approved	A	6.1.0	ETRAN-iptrans	R3
RP-040439	25.413	701	-	6.3.0	Rel-6	Indication of selected PLMN in shared networks	approved	B	6.4.0	NTShar-UTRANEnh	R3
RP-040439	25.413	702	1	6.3.0	Rel-6	Rerouting in MOCN	approved	B	6.4.0	NTShar-UTRANEnh	R3
RP-040437	25.413	706	2	6.3.0	Rel-6	MBMS stage 3 support over Iu	approved	B	6.4.0	MBMS-RAN	R3
RP-040442	25.413	712	1	6.3.0	Rel-6	Basic Support of Network-initiated Scudif in release 6	rejected	B		TEI6	R3
RP-040439	25.413	715	2	6.3.0	Rel-6	Support of full Mobility/Backwards Compatibility in Network Sharing	approved	B	6.4.0	NTShar-UTRANEnh	R3
RP-040441	25.413	719	-	6.3.0	Rel-6	outdated ITU-T reference	approved	F	6.4.0	TEI6	R3
RP-040443	25.413	720	1	6.3.0	Rel-6	Support of Network-initiated Scudif in release 6	rejected	B		TEI6	R3
RP-040441	25.419	133	-	6.1.0	Rel-6	outdated ITU-T reference	approved	F	6.2.0	TEI6	R3
RP-040437	25.420	044	2	6.1.0	Rel-6	Introduction of MBMS	approved	B	6.2.0	MBMS-RAN	R3
RP-040440	25.420	045	2	6.1.0	Rel-6	Introduction of E-DCH	approved	B	6.2.0	EDCH-IurIub	R3
RP-040436	25.420	046	1	6.1.0	Rel-6	Introduction to Fractional DPCH	withdrawn	B		RANimp-RABSE-CodeOptFDD	R3
RP-040436	25.423	1000	2	6.3.0	Rel-6	Introduction to Fractional DPCH	withdrawn	B		RANimp-RABSE-CodeOptFDD	R3
RP-040433	25.423	1001	-	5.11.0	Rel-5	Correction of reference to "MAC-hs Guaranteed Bit Rate"	approved	F	5.12.0	HSDPA-IubIur	R3
RP-040433	25.423	1002	-	6.3.0	Rel-6	Correction of reference to "MAC-hs Guaranteed Bit Rate"	approved	A	6.4.0	HSDPA-IubIur	R3
RP-040433	25.423	1003	-	5.11.0	Rel-5	Correction of duplicated and misplaced procedure text for RL Addition	approved	F	5.12.0	TEI5	R3
RP-040433	25.423	1004	-	6.3.0	Rel-6	Correction of duplicated and misplaced procedure text for RL Addition	approved	A	6.4.0	TEI5	R3
RP-040433	25.423	1005	-	5.11.0	Rel-5	Correction to not mention Flexible Hard Split Support Indicator IE in procedure text	approved	F	5.12.0	TEI5	R3

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RP-040433	25.423	1006	-	6.3.0	Rel-6	Correction to not mention Flexible Hard Split Support Indicator IE in procedure text	approved	A	6.4.0	TEI5	R3
RP-040440	25.423	1007	2	6.3.0	Rel-6	Changes for Introducing EDCH	approved	B	6.4.0	EDCH-IurIub	R3
RP-040441	25.423	1010	-	6.3.0	Rel-6	outdated ITU-T reference	approved	F	6.4.0	TEi6	R3
RP-040519	25.423	1011	-	6.3.0	Rel-6	HS-DPCCH ACK/NACK preamble and postamble	approved	B	6.4.0	RANimp-RABSE-ACKNACK	R3
RP-040524	25.423	1012	-	3.14.2	R99	Removal of TGPL2	rejected	F		TEI	R3
RP-040524	25.423	1013	-	4.12.1	Rel-4	Removal of TGPL2	rejected	A		TEI	R3
RP-040524	25.423	1014	-	5.11.0	Rel-5	Removal of TGPL2	rejected	A		TEI	R3
RP-040524	25.423	1015	-	6.3.0	Rel-6	Removal of TGPL2	rejected	A		TEI	R3
RP-040435	25.423	997	1	5.11.0	Rel-5	Correction to the Assigned Criticality of UL Synchronisation Parameters LCR IE for 1.28Mcps TDD	approved	F	5.12.0	TEI5	R3
RP-040435	25.423	998	1	6.3.0	Rel-6	Correction to the Assigned Criticality of UL Synchronisation Parameters LCR IE for 1.28Mcps TDD	approved	A	6.4.0	TEI5	R3
RP-040437	25.423	999	2	6.3.0	Rel-6	MBMS changes for RNSAP	approved	B	6.4.0	MBMS-RAN	R3
RP-040440	25.427	095	2	6.0.0	Rel-6	Changes on 25.427 due to the introduction of Enhanced Uplink	approved	B	6.1.0	EDCH-IurIub	R3
RP-040440	25.430	056	2	6.2.0	Rel-6	Introduction of E-DCH in TS 25.430	approved	B	6.3.0	EDCH-IurIub	R3
RP-040437	25.430	057	1	6.2.0	Rel-6	Introduction of MBMS in UTRAN	approved	B	6.3.0	MBMS-RAN	R3
RP-040436	25.430	058	1	6.2.0	Rel-6	Introduction to Fractional DPCH	withdrawn	B		RANimp-RABSE-CodeOptFDD	R3
RP-040434	25.433	1038	-	5.10.0	Rel-5	Removal of ASN ambiguity in TDD multiple RLs	approved	F	5.11.0	TEI5	R3
RP-040434	25.433	1039	-	6.3.0	Rel-6	Removal of ASN ambiguity in TDD multiple RLs	approved	A	6.4.0	TEI5	R3
RP-040434	25.433	1040	-	5.10.0	Rel-5	Alignment of TFCI2/Signaling Bearer Re-arrangement IEs criticality and procedure text	approved	F	5.11.0	TEI5	R3
RP-040434	25.433	1041	-	6.3.0	Rel-6	Alignment of TFCI2/Signaling Bearer Re-arrangement IEs criticality and procedure text	approved	A	6.4.0	TEI5	R3
RP-040435	25.433	1047	1	5.10.0	Rel-5	Correction to the Assigned Criticality of UL Synchronisation Parameters LCR IE for 1.28Mcps TDD	approved	F	5.11.0	TEI5	R3
RP-040435	25.433	1048	1	6.3.0	Rel-6	Correction to the Assigned Criticality of UL Synchronisation Parameters LCR IE for 1.28Mcps TDD	approved	A	6.4.0	TEI5	R3
RP-040437	25.433	1049	4	6.3.0	Rel-6	Introduction of MBMS	approved	B	6.4.0	MBMS-RAN	R3
RP-040436	25.433	1050	2	6.3.0	Rel-6	Introduction to Fractional DPCH	withdrawn	B		RANimp-RABSE-CodeOptFDD	R3
RP-040441	25.433	1056	-	6.3.0	Rel-6	outdated ITU-T reference	approved	F	6.4.0	TEI6	R3
RP-040434	25.433	1057	3	5.10.0	Rel-5	Adaptive encoding of IB_SG_DATA	approved	F	5.11.0	TEI5	R3
RP-040434	25.433	1058	3	6.3.0	Rel-6	Adaptive encoding of IB_SG_DATA	approved	A	6.4.0	TEI5	R3

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RP-040440	25.433	1059	1	6.3.0	Rel-6	CR for Introduction of E-DCH in NBAP	approved	B	6.4.0	EDCH-Iurlub	R3
RP-040460	25.433	1060	-	6.3.0	Rel-6	Introduction of 'DL Transmission Branch Load' measurement	rejected	B		TEI6	R3
RP-040518	25.433	1061	-	6.3.0	Rel-6	HS-DPCCH ACK/NACK preamble and postamble	approved	B	6.4.0	RANimp-RABSE-ACKNACK	R3
RP-040524	25.433	1062	-	3.14.2	R99	Removal of TGPL2	rejected	F		TEI	R3
RP-040524	25.433	1063	-	4.13.0	Rel-4	Removal of TGPL2	rejected	A		TEI	R3
RP-040524	25.433	1064	-	5.10.0	Rel-5	Removal of TGPL2	rejected	A		TEI	R3
RP-040524	25.433	1065	-	6.3.0	Rel-6	Removal of TGPL2	rejected	A		TEI	R3
RP-040441	25.453	076	-	6.6.0	Rel-6	outdated ITU-T reference	approved	F	6.7.0	TEI6	R3
RP-040444	25.460	001	2	6.0.0	Rel-6	Minor Corrections and editorial changes to 25.460 according to RAN3#44	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.460	002	2	6.0.0	Rel-6	Update of Software Download description	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.461	001	-	6.0.0	Rel-6	DC power supply distribution	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.461	002	1	6.0.0	Rel-6	Improved demodulator characteristics specification	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.461	003	-	6.0.0	Rel-6	Requirements missing for when the RS485 bus shall not be driven by the secondary device	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.461	004	1	6.0.0	Rel-6	RET DC power consumption modes	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.461	005	-	6.0.0	Rel-6	Minor Corrections and editorial changes to 25.461	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.462	001	-	6.0.0	Rel-6	Minor Corrections and editorial changes to 25.462 according to RAN3#44	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040444	25.462	003	3	6.0.0	Rel-6	Maximum data payload size in the Transport Layer.	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040445	25.463	001	2	6.0.0	Rel-6	Reduction of risk of accidentional erasure of Ret application SW	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040445	25.463	002	-	6.0.0	Rel-6	Clarification of allowed tilt operation during self test	approved	F	6.1.0	RANimp-TiltAnt	R3
RP-040445	25.463	003	-	6.0.0	Rel-6	State Model for RET device	approved	F	6.1.0	RANimp-TiltAnt	R3

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RP-040445	25.463	004	-	6.0.0	Rel-6	Corrections and editorial changes to 25.463 according to RAN3#44	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	005	1	6.0.0	Rel-6	Antenna Send Configuration Data procedure missing	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	007	1	6.0.0	Rel-6	Introduction of Software Download State model	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	008	3	6.0.0	Rel-6	Alarm handling clarification	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	009	2	6.0.0	Rel-6	RET DC power consumption clarification	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	010	2	6.0.0	Rel-6	Response message format clarification	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	012	2	6.0.0	Rel-6	Return code clean-up and clarification	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	015	2	6.0.0	Rel-6	Clarification on the intention of the elementary procedures ReadUserData and WriteUserData	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	016	2	6.0.0	Rel-6	Maximum data payload size in elementary procedures.	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	017	-	6.0.0	Rel-6	Definition of response time in the appication layer.	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040445	25.463	018	2	6.0.0	Rel-6	Redefinition of the Elementary Procedures GetDeviceData and SetDeviceData	approved	F	6.1.0	RANi mp-TiltAnt	R3
RP-040476	25.925	006	-	3.4.0	R99	UTRAN scheduling of CBS Schedule Periods	approved	F	3.5.0	TEI	R2
RP-040483	25.993	031	3	6.7.0	Rel-6	Additions of HSDPA RABs	approved	F	6.8.0	TEI6	R2
RP-040475	25.993	033	-	6.7.0	Rel-6	Addition RAB combinations for UL>DL PS rates	approved	F	6.8.0	TEI6	R2
RP-040475	25.993	034	-	6.7.0	Rel-6	Radio bearer combination for PS streaming in section 7.1.74	approved	F	6.8.0	TEI6	R2
RP-040475	25.993	035	1	6.7.0	Rel-6	Correct TFCS used in 128DL RAB	approved	F	6.8.0	TEI6	R2
SP-040845	26.103	030	-	4.3.0	Rel-4	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	F	4.4.0	TRFO-OoBTC	S4
SP-040845	26.103	031	-	5.5.0	Rel-5	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	5.6.0	TRFO-OoBTC	S4
SP-040845	26.103	032	-	6.0.0	Rel-6	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	6.1.0	TRFO-OoBTC	S4
SP-040847	26.103	033	1	4.3.0	Rel-4	Clarifications for AMR, Alternative 1	approved	F	4.4.0	TrFO	S4

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SP-040847	26.103	035	1	5.5.0	Rel-5	Clarifications for AMR	approved	A	5.6.0	TrFO	S4
SP-040847	26.103	036	1	6.0.0	Rel-6	Clarifications for AMR	approved	A	6.1.0	TrFO	S4
SP-040842	26.111	012	1	6.0.0	Rel-6	Addition of the missing signalling of H.264 decoder capabilities	approved	B	6.1.0	3G-324MI	S4
SP-040842	26.111	013	1	6.0.0	Rel-6	Reference Corrections	approved	F	6.1.0	3G-324MI	S4
SP-040838	26.140	009	1	6.0.0	Rel-6	Support for EXIF in MMS	approved	B	6.1.0	MMS6-Codec	S4
SP-040838	26.140	010	-	6.0.0	Rel-6	Adoption of SVG Tiny 1.2 for MMS	approved	B	6.1.0	MMS6-Codec	S4
SP-040844	26.173	020	1	5.8.0	Rel-6	Incorrect definition of vector nb_of_bits	approved	A	6.0.0	AMR WB	S4
SP-040844	26.173	021	-	5.8.0	Rel-5	Incorrect definition of vector nb_of_bits	approved	F	5.9.0	AMR WB	S4
SP-040844	26.204	009	1	5.2.0	Rel-6	Incorrect definition of vector nb_of_bits	approved	A	6.0.0	AMR WB	S4
SP-040844	26.204	010	-	5.2.0	Rel-5	Incorrect definition of vector nb_of_bits	approved	F	5.3.0	AMR WB	S4
SP-040839	26.234	076	-	6.1.0	Rel-6	Correction of RDF schema for PSS capability vocabulary	approved	F	6.2.0	PSSreI6-Stage 3	S4
SP-040839	26.234	077	-	6.1.0	Rel-6	Transport-independent SDP bandwidth modifiers for PSS	approved	F	6.2.0	PSSreI6-Stage 3	S4
SP-040839	26.234	078	-	6.1.0	Rel-6	Correction of MIME type definition for DRM protected content	approved	F	6.2.0	PSSreI6-Stage 3	S4
SP-040839	26.234	079	1	6.1.0	Rel-6	Adoption of SVG Tiny 1.2 for PSS	approved	B	6.2.0	PSSreI6-Stage 3	S4
SP-040843	26.235	010	1	6.2.0	Rel-6	Inclusion of PoC support	approved	B	6.3.0	PoC	S4
SP-040837	26.235	011	-	6.2.0	Rel-6	Add reference to TR 26.943	approved	D	6.3.0	SES	S4
SP-040843	26.236	013	1	6.0.0	Rel-6	Inclusion of PoC support	approved	B	6.1.0	PoC	S4
SP-040837	26.243	001	1	6.0.0	Rel-6	Software bug correction: Removal of Basicops simulation of "C" shift operator	approved	F	6.1.0	SES	S4
SP-040837	26.243	002	1	6.0.0	Rel-6	Software bug correction: Initialization of the variables lwc and i2aScale	approved	F	6.1.0	SES	S4
SP-040837	26.243	003	1	6.0.0	Rel-6	Software bug correction: Wrong assignment of the variables *piReliableFlag and *pcQPIndex	approved	F	6.1.0	SES	S4
SP-040837	26.243	004	2	6.0.0	Rel-6	Software bug correction: Use of incorrect variable fRefPeriod instead of iRefPeriod	approved	F	6.1.0	SES	S4
SP-040837	26.243	005	-	6.0.0	Rel-6	Add reference to test sequences document	approved	D	6.1.0	SES	S4
SP-040839	26.244	006	1	6.1.0	Rel-6	Correction of syntax of encryption boxes and outdated references	approved	F	6.2.0	PSSreI6-Stage 3	S4

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SP-040839	26.244	007	-	6.1.0	Rel-6	Correction of sample structure for AMR-WB+ in 3GP files	approved	F	6.2.0	PSSrel6-Stage 3	S4
SP-040839	26.245	001	1	6.0.0	Rel-6	Removal of incorrect statement in Scope section of Rel-6 Timed Text	approved	F	6.1.0	PSSrel6-Stage 3	S4
SP-040841	26.290	001	-	6.0.0	Rel-6	Correction of stereo bit allocation tables	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.290	002	-	6.0.0	Rel-6	Correction of storage format for AMR-WB+	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.290	003	1	6.0.0	Rel-6	Editorial changes	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.290	004	-	6.0.0	Rel-6	Editorial changes: Addition of 1 ISF index	-	D	6.1.0	AMR WB+	S4
SP-040841	26.304	001	-	6.0.0	Rel-6	Incorrect definition of mode index for SID frames	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	002	-	6.0.0	Rel-6	Correction of TCX coding selection for MMS encoder	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	003	-	6.0.0	Rel-6	Misread of energy buffer in coding mode selection in MMS encoder. Correction of energy buffer initialisation	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	004	-	6.0.0	Rel-6	Correction of stereo bit allocation tables	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	005	1	6.0.0	Rel-6	Optimization of error concealment operation	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	006	1	6.0.0	Rel-6	Stereo operation of pre-echo mode, saturation of gain_shape	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	007	-	6.0.0	Rel-6	Stereo operation of pre-echo mode, alignment of encoder and decoder	approved	F	6.1.0	AMR WB+	S4
SP-040841	26.304	008	1	6.0.0	Rel-6	Addition of support for file formats and improved command line	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	009	1	6.0.0	Rel-6	Source code editorial changes	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	010	-	6.0.0	Rel-6	Removal of complexity counters	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	011	1	6.0.0	Rel-6	Editorial changes	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	013	-	6.0.0	Rel-6	Removal of the eid tool	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	014	1	6.0.0	Rel-6	Addition of frame erasure simulation at the decoder	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	015	-	6.0.0	Rel-6	Removal of two unused stereo rates	approved	D	6.1.0	AMR WB+	S4
SP-040841	26.304	016	-	6.0.0	Rel-6	Removal of extStMode	approved	D	6.1.0	AMR WB+	S4
SP-040840	26.401	001	1	6.0.0	Rel-6	Alignment with C-code: Clarification on SBR mode to be used for mono only capable decoders	approved	F	6.1.0	PSSrel6	S4
SP-040840	26.410	001	-	6.0.0	Rel-6	Correction to C-code to increase error robustness	approved	F	6.1.0	PSSrel6	S4

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SP-040840	26.410	002	-	6.0.0	Rel-6	Correction to C-code: Missing memory re-initialization	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	003	-	6.0.0	Rel-6	Correction to C-code: Memory initialization added	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	004	-	6.0.0	Rel-6	Correction to C-code: Wrong calculation of sine levels	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	005	-	6.0.0	Rel-6	Correction to C-code: Prevent multiple reading of bitstream elements	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	006	2	6.0.0	Rel-6	Correction to C-code: Corrected wrong table values	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	007	-	6.0.0	Rel-6	Correction to C-code: Modify instrumentation	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	008	1	6.0.0	Rel-6	Correction of C-code: Output data was copied into wrong array	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	009	1	6.0.0	Rel-6	Correction to C-code: Bug in resampler	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	010	1	6.0.0	Rel-6	Correction to C-code: Modify data types for FFT	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	011	1	6.0.0	Rel-6	Correction to decoder C-Code: Alignment with MPEG specification	approved	C	6.1.0	PSSreI6	S4
SP-040840	26.410	012	-	6.0.0	Rel-6	Correction to C-code: Reset of Missing Harmonics flags during concealment added	approved	F	6.1.0	PSSreI6	S4
SP-040840	26.410	013	-	6.0.0	Rel-6	Removal of Complexity counters	approved	F	6.1.0	PSSreI6	S4
TP-040225	27.007	119	-	5.4.0	Rel-5	Additional parameter for AT command +CRSM (Restricted SIM access)	approved	F	5.5.0	TEI5	T2
TP-040225	27.007	120	-	6.6.0	Rel-6	Additional parameter for AT command +CRSM (Restricted SIM access)	approved	A	6.7.0	TEI5	T2
TP-040225	27.007	121	-	5.4.0	Rel-5	Corrections to AcTs of PLMN Selection	approved	F	5.5.0	TEI5	T2
TP-040225	27.007	122	-	6.6.0	Rel-6	Corrections to AcTs of PLMN Selection	approved	A	6.7.0	TEI5	T2
TP-040225	27.007	123	-	6.6.0	Rel-6	Improve security in UICC generic access command +CGLA	approved	C	6.7.0	TEI6	T2
TP-040225	27.007	124	-	6.6.0	Rel-6	Support of EAP authentication command	approved	B	6.7.0	TEI6	T2
TP-040225	27.007	125	-	6.6.0	Rel-6	Correction of file identification in +CRLA command	approved	F	6.7.0	TEI6	T2
TP-040225	27.007	126	-	6.6.0	Rel-6	UICC Application Discovery Command +CUAD	approved	B	6.7.0	TEI6	T2
TP-040225	27.007	127	-	6.6.0	Rel-6	Clarification on the use of PIN with (U)SIM	approved	F	6.7.0	TEI6	T2
TP-040225	27.007	128	-	6.6.0	Rel-6	Editorial modifications to +CGLA and +CRLA commands	approved	D	6.7.0	TEI6	T2
TP-040225	27.007	129	-	6.6.0	Rel-6	Add RETRIEVE DATA and SET DATA APDU commands in +CRSM and +CRLA AT commands	approved	B	6.7.0	TEI6	T2
TP-040225	27.007	130	-	6.6.0	Rel-6	Extension of read, write and find phonebook entry commands for 3G phonebooks	approved	B	6.7.0	TEI6	T2
SP-040845	28.062	042	-	4.5.0	Rel-4	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	F	4.6.0	TRFO-OoBTC	S4
SP-040845	28.062	043	-	5.4.0	Rel-5	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	5.5.0	TRFO-OoBTC	S4
SP-040845	28.062	044	-	6.0.0	Rel-6	TFO/TrFO Compatibility of UMTS_AMR and UMTS_AMR2	approved	A	6.1.0	TRFO-OoBTC	S4

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SP-040846	28.062	045	-	4.5.0	Rel-4	Operator Guidelines for UMTS_AMR	approved	F	4.6.0	TRFO - OoBTC	S4
SP-040846	28.062	046	-	5.4.0	Rel-5	Operator Guidelines for UMTS_AMR	approved	A	5.5.0	TRFO - OoBTC	S4
SP-040846	28.062	047	-	6.0.0	Rel-6	Operator Guidelines for UMTS_AMR and AMR Harmonization	approved	F	6.1.0	TFO / TRFO - OoBTC	S4
NP-040535	29.002	740	2	6.7.0	Rel-6	SMS Fraud countermeasures	approved	C	6.8.0	TEI6	N4
NP-040534	29.002	746	1	6.7.0	Rel-6	Introducing VGCS/VBS ciphering	approved	B	6.8.0	SECG KYV	N4
NP-040542	29.002	747	-	6.7.0	Rel-6	Incorrect Implementation of CR 731	approved	F	6.8.0	LCS2	N4
NP-040542	29.002	748	1	6.7.0	Rel-6	LCS Capability Handling for UE's	approved	F	6.8.0	LCS2	N4
NP-040546	29.002	752	-	6.7.0	Rel-6	Correction to the service response parameters of ATI	approved	F	6.8.0	TEI6	N4
NP-040542	29.002	753	1	6.7.0	Rel-6	Enable NA-ESRD Provision from a GMLC for E911 Location in North America	approved	F	6.8.0	LCS2	N4
NP-040546	29.002	757	2	6.7.0	Rel-6	Clarification about returning authentication data for a UMTS subscriber	approved	F	6.8.0	TEI	N4
NP-040587	29.007	106	2	5.10.0	Rel-6	Transfer of information from TR 23.910	approved	B	6.0.0	[new WID]	N3
NP-040545	29.060	513	1	6.6.0	Rel-6	Clarification on the usage of the Alternative GGSN Address	approved	F	6.7.0	TEI6	N4
NP-040540	29.060	514	1	6.6.0	Rel-6	Addition of IEs to MBMS Session Start Request message	approved	F	6.7.0	MBMS	N4
NP-040540	29.060	515	1	6.6.0	Rel-6	Introduction of MBMS support indication between SGSNs	approved	F	6.7.0	MBMS	N4
NP-040526	29.060	519	1	5.11.0	Rel-5	Additional support of IPv4 and IPv6 node addresses in create PDP context procedure	approved	F	5.12.0	TEI5	N4
NP-040526	29.060	520	1	6.6.0	Rel-6	Additional support of IPv4 and IPv6 node addresses in create PDP and MBMS context procedures	approved	F	6.7.0	TEI6	N4
NP-040540	29.060	524	-	6.6.0	Rel-6	GTP-C tunnel for MBMS broadcast	approved	F	6.7.0	MBMS	N4
NP-040585	29.061	128	1	6.2.0	Rel-6	Gmb. Table with reused AVPs	revised	F		MBMS	N3
NP-040585	29.061	129	-	6.2.0	Rel-6	Gmb. New AVP to indicate Multicast or Broadcast service	revised	F		MBMS	N3
NP-040585	29.061	130	1	6.2.0	Rel-6	Gmb. Correction to the Result-Code AVP	revised	F		MBMS	N3
NP-040585	29.061	131	1	6.2.0	Rel-6	Gmb. General corrections and clarification on the use of RAR	revised	F		MBMS	N3
NP-040585	29.061	133	-	6.2.0	Rel-6	Gmb. Update of AVPs codes and permanent failures codes.	revised	F		MBMS	N3
NP-040585	29.061	134	-	6.2.0	Rel-6	Gmb. Serving Network identity	revised	F		MBMS	N3
NP-040591	29.061	137	3	6.2.0	Rel-6	Prevention of IP spoofing	approved	F	6.3.0	TE16	N3
NP-040615	29.061	138	1	6.2.0	Rel-6	RADIUS Enhancements on the Gi interface for QoS information (Negotiated DSCP)	approved	B	6.3.0	TEI6	N3
NP-040584	29.061	138	1	6.2.0	Rel-6	RADIUS Enhancements on the Gi interface for QoS information (Negotiated DSCP)	revised	B		TEI6	N3
NP-040615	29.061	139	1	6.2.0	Rel-6	RADIUS Enhancements on the Gi interface to enable QoS correlation (Packet Filters)	approved	B	6.3.0	TEI6	N3
NP-040584	29.061	139	1	6.2.0	Rel-6	RADIUS Enhancements on the Gi interface to enable QoS correlation (Packet Filters)	revised	B		TEI6	N3
NP-040616	29.061	140	-	6.2.0	Rel-6	Gmb interface. Corrections, addition of missing AVPs and code values assignation.	approved	F	6.3.0	MBMS	N3
NP-040544	29.078	390	-	6.3.0	Rel-6	Correction of wrong TS numbers in references	approved	F	6.4.0	TEI6	N4
NP-040580	29.109	001	-	6.0.0	Rel-6	Authorization Flag Code Annex	approved	B	6.1.0	SEC1-SC	N4
NP-040580	29.109	002	-	6.0.0	Rel-6	Finalization of GAA Service Identifier	approved	D	6.1.0	SEC1-SC	N4
NP-040580	29.109	003	1	6.0.0	Rel-6	BSF control information (bsfInfo) tag to GUSS	approved	B	6.1.0	SEC1-SC	N4
NP-040580	29.109	005	-	6.0.0	Rel-6	Structure to GAA Service Indentifier	approved	B	6.1.0	SEC1-SC	N4

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NP-040580	29.109	006	1	6.0.0	Rel-6	Finalisation of terminology	approved	D	6.1.0	SEC1-SC	N4
NP-040580	29.109	008	1	6.0.0	Rel-6	Command codes 310 and 311 for Zh and Zh message	approved	B	6.1.0	SEC1-SC	N4
NP-040580	29.109	009	-	6.0.0	Rel-6	Introduction of NAF groups	approved	B	6.1.0	SEC1-SC	N4
NP-040582	29.163	054	3	6.4.0	Rel-6	Mapping of continuity signal	approved	F	6.5.0	IMS-CCR-IWCS	N3
NP-040582	29.163	056	1	6.4.0	Rel-6	Corrections to EFR codec parameters	approved	F	6.5.0	IMS-CCR-IWCS	N3
NP-040582	29.163	057	2	6.4.0	Rel-6	DTMF towards IM CN subsystem	approved	C	6.5.0	IMS-CCR-IWCS	N3
NP-040583	29.163	058	2	6.4.0	Rel-6	Clarifications for Mn procedures for call hold	approved	F	6.5.0	IMS-CCR-IWCS	N3
NP-040582	29.163	059	-	6.4.0	Rel-6	Editorial mistake in Table 12	approved	D	6.5.0	IMS-CCR-IWCS	N3
NP-040485	29.198-01	039	-	5.7.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.8.0	OSA2	N5
NP-040485	29.198-01	040	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040486	29.198-02	048	-	6.2.0	Rel-6	Correct the Exception Hierarchy Annex to include new exceptions used in MultiMediaMessaging SCF	approved	F	6.3.0	OSA3	N5
NP-040485	29.198-02	049	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5
NP-040485	29.198-02	050	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-03	127	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5
NP-040485	29.198-03	128	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040483	29.198-04	071	-	4.10.0	Rel-4	Correct Behaviour of CallBack sequence and timing	approved	F	4.11.0	OSA1	N5
NP-040485	29.198-04-1	015	-	5.7.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.8.0	OSA2	N5
NP-040485	29.198-04-1	016	-	6.3.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.4.0	OSA2	N5
NP-040483	29.198-04-2	025	-	5.8.0	Rel-5	Correct Behaviour of CallBack sequence and timing	approved	A	5.9.0	OSA1	N5
NP-040483	29.198-04-2	026	-	6.2.0	Rel-6	Correct Behaviour of CallBack sequence and timing	approved	A	6.3.0	OSA1	N5
NP-040486	29.198-04-2	027	-	6.2.0	Rel-6	Correct GCC for Multiservice Network Support	approved	F	6.3.0	OSA3	N5
NP-040485	29.198-04-2	028	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5

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NP-040485	29.198-04-2	029	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040483	29.198-04-3	032	-	5.8.0	Rel-5	Correct Behaviour of CallBack sequence and timing	approved	A	5.9.0	OSA1	N5
NP-040483	29.198-04-3	033	-	6.3.0	Rel-6	Correct Behaviour of CallBack sequence and timing	approved	A	6.4.0	OSA1	N5
NP-040485	29.198-04-3	034	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5
NP-040485	29.198-04-3	035	-	6.3.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.4.0	OSA2	N5
NP-040485	29.198-04-4	022	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5
NP-040485	29.198-04-4	023	-	6.3.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.4.0	OSA2	N5
NP-040484	29.198-05	059	-	4.9.0	Rel-4	Clarification of the functionality provided by recordMessageReq() method	approved	F	4.10.0	OSA1	N5
NP-040484	29.198-05	060	-	5.8.0	Rel-5	Clarification of the functionality provided by recordMessageReq() method	approved	A	5.9.0	OSA1	N5
NP-040484	29.198-05	061	-	6.2.0	Rel-6	Clarification of the functionality provided by recordMessageReq() method	approved	A	6.3.0	OSA1	N5
NP-040485	29.198-05	062	-	5.8.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.9.0	OSA2	N5
NP-040485	29.198-05	063	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-06	052	-	5.6.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.7.0	OSA2	N5
NP-040485	29.198-06	053	-	6.3.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.4.0	OSA2	N5
NP-040485	29.198-07	032	-	5.7.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.8.0	OSA2	N5
NP-040485	29.198-07	033	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-08	038	-	5.7.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.8.0	OSA2	N5
NP-040485	29.198-08	039	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-11	033	-	5.6.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.7.0	OSA2	N5
NP-040485	29.198-11	034	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-12	034	-	5.7.0	Rel-5	Removal of OSA API SCFs description in W3C WSDL	approved	F	5.8.0	OSA2	N5
NP-040485	29.198-12	035	-	6.2.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	A	6.3.0	OSA2	N5
NP-040485	29.198-15	001	-	6.0.0	Rel-6	Removal of OSA API SCFs description in W3C WSDL	approved	F	6.1.0	OSA3	N5
NP-040487	29.199-04	001	-	6.0.0	Rel-6	Add SmsNotificationManager interface to PXWS Short-Messaging	approved	B	6.1.0	OSA3	N5
NP-040487	29.199-04	002	-	6.0.0	Rel-6	Add Notification Delivery Reception to PXWS SMS	revised	B		OSA3	N5

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NP-040609	29.199-04	002	1	6.0.0	Rel-6	Add Notification Delivery Reception to PXWS SMS	approved	B	6.1.0	OSA3	N5
NP-040487	29.199-05	001	-	6.0.0	Rel-6	Add MessageNotificationManager interface to PXWS Multimedia-Messaging	approved	B	6.1.0	OSA3	N5
NP-040487	29.199-09	001	-	6.0.0	Rel-6	Add PXWS Terminal Location Tracking Accuracy	approved	C	6.1.0	OSA3	N5
NP-040487	29.199-14	001	-	6.0.0	Rel-6	Correct the Presence WSDL source code	approved	F	6.1.0	OSA3	N5
NP-040560	29.207	138	2	6.1.0	Rel-6	SBLP and non-realtime PDP Contexts	approved	F	6.2.0	TEI6	N3
NP-040560	29.207	142	3	6.1.0	Rel-6	QoS procedure at session release	approved	F	6.2.0	TEI6	N3
NP-040586	29.208	074	3	6.1.0	Rel-6	Correcting Mapping Table[Update to existing CR 074 against 29.208]	approved	F	6.2.0	QoS1	N3
NP-040586	29.208	075	2	6.1.0	Rel-6	Clarification on Mapping Table 7.1.1.1	approved	F	6.2.0	QoS1	N3
NP-040586	29.208	076	3	6.1.0	Rel-6	Allowing the use of Application identifier for IMS	approved	C	6.2.0	QoS1	N3
NP-040555	29.208	077	1	5.8.0	Rel-5	Authorize QoS resources with no generation of authorization token at session modification	approved	F	5.9.0	E2EQoS	N3
NP-040555	29.208	081	1	5.8.0	Rel-5	Removal of QoS commit for session modification	approved	F	5.9.0	E2EQoS	N3
NP-040555	29.208	082	3	6.1.0	Rel-6	Removal of QoS commit for session modification	approved	A	6.2.0	E2EQoS	N3
NP-040555	29.208	089	1	5.8.0	Rel-5	Modification of PDP contexts	approved	F	5.9.0	E2EQoS	N3
NP-040555	29.208	090	1	6.1.0	Rel-6	Modification of PDP contexts	approved	A	6.2.0	E2EQoS	N3
NP-040586	29.209	001	1	6.0.0	Rel-6	semantics of updated Flow-Description AVP(s)	approved	F	6.1.0	QoS1	N3
NP-040586	29.209	002	1	6.0.0	Rel-6	Flow grouping AVPs in modified service information	approved	F	6.1.0	QoS1	N3
NP-040586	29.209	003	1	6.0.0	Rel-6	Smaller corrections to avoid misinterpretations	approved	F	6.1.0	QoS1	N3
NP-040586	29.209	008	3	6.0.0	Rel-6	Resource reservation at PDF	approved	F	6.1.0	QoS1	N3
NP-040586	29.209	009	1	6.0.0	Rel-6	Bandwidth attributes	approved	F	6.1.0	QoS1	N3
NP-040586	29.209	010	1	6.0.0	Rel-6	Modification to Gq protocols to make it more generic	approved	D	6.1.0	QoS1	N3
NP-040523	29.228	137	1	5.9.0	Rel-5	HSS initiated deregistration with "not registered" registration state	approved	F	5.10.0	IMS-CCR	N4
NP-040523	29.228	138	1	6.4.0	Rel-6	HSS initiated deregistration with "not registered" registration state	approved	A	6.5.0	IMS-CCR	N4
NP-040530	29.228	140	1	6.4.0	Rel-6	HSS initiated deregistration with user profile removal for permanent termination	approved	F	6.5.0	IMS2-CCR	N4
NP-040523	29.228	141	2	5.9.0	Rel-5	HSS initiated deregistration using the network initiated de-registration procedure	approved	F	5.10.0	IMS-CCR	N4
NP-040523	29.228	142	2	6.4.0	Rel-6	HSS initiated deregistration using the network initiated de-registration procedure	approved	A	6.5.0	IMS-CCR	N4
NP-040530	29.228	146	1	6.4.0	Rel-6	Clarification of R6 authentication scheme	approved	F	6.5.0	IMS2-CCR	N4
NP-040523	29.228	149	-	5.9.0	Rel-5	Regular Expressions	approved	F	5.10.0	IMS-CCR	N4
NP-040523	29.228	150	-	6.4.0	Rel-6	Regular Expressions	approved	A	6.5.0	IMS-CCR	N4
NP-040530	29.228	155	-	6.4.0	Rel-6	Correction to XML Root Element	approved	F	6.5.0	IMS2-CCR	N4
NP-040530	29.228	156	1	6.4.0	Rel-6	Modification of User-Data-Already-Available in SAR command	approved	F	6.5.0	IMS2-CCR	N4

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NP-040523	29.228	159	2	6.4.0	Rel-6	Handling of Information Element marked as (M), (C) or (O)	approved	F	6.5.0	IMS-CCR	N4
NP-040523	29.228	160	2	5.9.0	Rel-5	Handling of Information Element marked as (M), (C) or (O)	approved	F	5.10.0	IMS-CCR	N4
NP-040523	29.229	069	-	5.8.0	Rel-5	Cx ABNF corrections	approved	F	5.9.0	IMS-CCR	N4
NP-040523	29.229	070	-	6.2.0	Rel-6	Cx ABNF corrections	approved	A	6.3.0	IMS-CCR	N4
NP-040579	29.230	006	-	6.1.0	Rel-6	Inclusion of missing Cx AVPs	approved	F	6.2.0	TEI6	N4
NP-040580	29.230	007	1	6.1.0	Rel-6	Reservation of command codes 310 and 311	approved	F	6.2.0	SEC1-SC	N4
NP-040579	29.230	009	1	6.1.0	Rel-6	Addition of Gmb interface	approved	F	6.2.0	TEI6	N4
NP-040579	29.230	010	1	6.1.0	Rel-6	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	revised	C		CH	N4
NP-040600	29.230	010	2	6.1.0	Rel-6	Documenting the Reuse of the 3GPP specific application identifier of Ro for Re on the Charging Interfaces	approved	C	6.2.0	CH	N4
NP-040579	29.230	011	-	6.1.0	Rel-6	Gq interface allocations	approved	C	6.2.0	TEI6	N4
NP-040579	29.230	012	-	6.1.0	Rel-6	Addition of Gx interface	approved	C	6.2.0	TEI6	N4
NP-040521	29.232	077	-	4.9.0	Rel-4	Correction of distant codec list	approved	F	4.10.0	CSSPLIT	N4
NP-040521	29.232	078	-	5.8.0	Rel-5	Correction of distant codec list	approved	A	5.9.0	CSSPLIT	N4
NP-040528	29.232	079	-	5.8.0	Rel-5	IP transport package Duplicate property ID in ASN.1 encoding	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	080	1	5.8.0	Rel-5	H.248 Scope	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	081	1	5.8.0	Rel-5	Q.1950 reference	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	082	-	5.8.0	Rel-5	Emdedded events	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	084	-	5.8.0	Rel-5	Multiple streams	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	085	1	5.8.0	Rel-5	Overspec/underspec parameters	approved	F	5.9.0	TEI5	N4
NP-040574	29.232	086	2	5.8.0	Rel-5	Use Of Audit Value	approved	F	5.9.0	TEI5	N4
NP-040573	29.232	087	2	5.8.0	Rel-5	Service Change for Failover not defined for Mc Interface	approved	F	5.9.0	TEI5	N4
NP-040529	29.232	088	2	5.8.0	Rel-5	Procedures and Commands – removal of unwanted commands	approved	F	5.9.0	TEI5	N4
NP-040547	29.232	092	-	5.8.0	Rel-6	H.248.1 Version 2	approved	F	6.0.0	TEI6	N4
NP-040581	29.234	001	1	6.0.0	Rel-6	PLMN advertising and selection	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	002	-	6.0.0	Rel-6	WLAN User Profile update	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	003	-	6.0.0	Rel-6	Charging related data from 3GPP AAA Server to PDG	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	004	1	6.0.0	Rel-6	3GPP WLAN IP Access parameter rename	approved	D	6.1.0	WLAN	N4
NP-040581	29.234	005	1	6.0.0	Rel-6	Static Remote IP address	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	006	-	6.0.0	Rel-6	Removal of "Scenario" wording	approved	D	6.1.0	WLAN	N4
NP-040581	29.234	007	-	6.0.0	Rel-6	Editorial correction on Auth-Req-Type AVP	approved	D	6.1.0	WLAN	N4
NP-040581	29.234	008	1	6.0.0	Rel-6	Online charging failure report	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	009	-	6.0.0	Rel-6	Rejection of Multiple WLAN connections	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	010	-	6.0.0	Rel-6	Application-Ids on Wa, Wd, Wm and Wg	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	012	2	6.0.0	Rel-6	Wd Interface RADIUS profile clarifications	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	014	2	6.0.0	Rel-6	Wd RADIUS profile	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	015	1	6.0.0	Rel-6	Addition of ABNF definitions missing onWa, Wd Wm, Wg interfaces	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	016	1	6.0.0	Rel-6	Scenario 3 access independence	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	019	1	6.0.0	Rel-6	Editorial Modifications	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	021	1	6.0.0	Rel-6	Reauthentication clarification on the Wa interface	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	023	1	6.0.0	Rel-6	To replace 'Permanent User ID' by 'User Id'	approved	F	6.1.0	WLAN	N4

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NP-040581	29.234	025	2	6.0.0	Rel-6	To make VPLMN-Id Conditional in Wd interface	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	026	-	6.0.0	Rel-6	Addition of calling station id in DEA. Deletion of the same from DER	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	028	1	6.0.0	Rel-6	Editorial corrections	approved	F	6.1.0	WLAN	N4
NP-040581	29.234	029	-	6.0.0	Rel-6	Handling of Information Element marked as (M), (C) or (O)	approved	F	6.1.0	WLAN	N4
NP-040531	29.328	097	2	6.3.0	Rel-6	Removal of Notification of the Authentication Pending State	approved	F	6.4.0	IMS-CCR	N4
NP-040531	29.328	101	1	6.3.0	Rel-6	Sh-Pull Data Download	approved	F	6.4.0	IMS2-CCR	N4
NP-040531	29.328	102	2	6.3.0	Rel-6	Only One Error Required for the AS Permissions Table	approved	F	6.4.0	IMS2-CCR	N4
NP-040531	29.328	103	-	6.3.0	Rel-6	Default Handling of Error Cases	approved	F	6.4.0	IMS2-CCR	N4
NP-040578	29.328	104	-	6.3.0	Rel-6	Access Key for Charging Information	approved	A	6.4.0	IMS-CCR	N4
NP-040578	29.328	108	2	6.3.0	Rel-6	Handling of Information Element marked as (M), (C) or (O)	approved	F	6.4.0	IMS-CCR	N4
NP-040578	29.328	109	2	5.7.0	Rel-5	Handling of Information Element marked as (M), (C) or (O)	approved	F	5.8.0	IMS-CCR	N4
NP-040578	29.328	110	-	5.7.0	Rel-5	Access Key for Charging Information	approved	F	5.8.0	IMS-CCR	N4
NP-040578	29.329	052	-	5.7.0	Rel-5	Sh ABNF corrections	approved	F	5.8.0	IMS-CCR	N4
NP-040578	29.329	053	-	6.2.0	Rel-6	Sh ABNF corrections	approved	A	6.3.0	IMS-CCR	N4
TP-040255	31.101	031	-	4.1.0	Rel-4	Correction of non specific references	approved	F	4.2.0	TEI4	T3
TP-040255	31.101	032	-	5.1.0	Rel-5	Correction of non specific references	approved	F	5.2.0	TEI4	T3
TP-040255	31.101	033	-	6.3.0	Rel-6	Correction of non specific references	approved	F	6.4.0	TEI6	T3
TP-040256	31.102	236	2	6.7.0	Rel-6	Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning	approved	C	6.8.0	TEI6	T3
TP-040256	31.102	244	-	6.7.0	Rel-6	Correction of Capability/Configuration references	approved	F	6.8.0	TEI6	T3
TP-040256	31.102	245	-	4.13.0	Rel-4	Clarification of EXT8 coding (MMS notification extension)	approved	F	4.14.0	TEI4	T3
TP-040256	31.102	246	-	5.10.0	Rel-5	Clarification of EXT8 coding (MMS notification extension)	approved	A	5.11.0	TEI4	T3
TP-040256	31.102	247	-	6.7.0	Rel-6	Clarification of EXT8 coding (MMS notification extension)	approved	A	6.8.0	TEI4	T3
TP-040256	31.102	248	-	6.7.0	Rel-6	Clarification of Capability/Configuration identifier	approved	F	6.8.0	TEI6	T3
TP-040256	31.102	249	-	6.7.0	Rel-6	Introduction of EHPLMN data field	approved	B	6.8.0	TEI6	T3
TP-040256	31.102	250	-	6.7.0	Rel-6	Enable multiple Terminal Profile downloads in UST	postponed	B		TEI6	T3
TP-040256	31.102	251	-	6.7.0	Rel-6	Clarification of hidden phonebook entry	approved	C	6.8.0	TEI6	T3
TP-040256	31.102	252	-	5.10.0	Rel-5	Correction of non-specific references to ETSI-SCP documents	approved	F	5.11.0	TEI5	T3
TP-040256	31.102	253	-	6.7.0	Rel-6	Correction of non-specific references to ETSI-SCP documents	approved	F	6.8.0	TEI6	T3
TP-040256	31.102	254	-	6.7.0	Rel-6	Correction to add missing description for "3G Session Reset"	approved	F	6.8.0	TEI6	T3
TP-040256	31.102	255	-	6.7.0	Rel-6	Correction of update access condition for EFs VGCSS and VBSS	approved	A	6.8.0	TEI6	T3
TP-040256	31.102	256	-	5.10.0	Rel-5	Correction of update access condition for EFs VGCSS and VBSS	approved	F	5.11.0	TEI5	T3
TP-040256	31.102	257	-	6.7.0	Rel-6	MMS storage: addition of a status indicating that an MM has been sent	approved	C	6.8.0	MMS6	T3
TP-040256	31.102	258	-	6.7.0	Rel-6	Storage of the lifetime of the GBA_U bootstrapped keys	approved	B	6.8.0	TEI6	T3
TP-040256	31.102	259	-	6.7.0	Rel-6	Interpretation of "data" in EF_CFIS	approved	B	6.8.0	TEI6	T3
TP-040257	31.103	019	-	6.5.0	Rel-6	Storage of the lifetime of the GBA_U bootstrapped keys	approved	B	6.6.0	TEI6	T3
TP-040257	31.103	020	-	5.7.0	Rel-5	Correction of non specific references	approved	F	5.8.0	TEI5	T3
TP-040257	31.103	021	-	6.5.0	Rel-6	Correction of non specific references	approved	F	6.6.0	TEI6	T3
TP-040258	31.111	123	-	4.12.0	Rel-4	Correction for non 3GPP references	approved	F	4.13.0	TEI4	T3
TP-040258	31.111	124	-	5.7.0	Rel-5	Correction for non 3GPP references	approved	F	5.8.0	TEI5	T3

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TP-040258	31.111	125	-	6.3.0	Rel-6	Correction for non 3GPP references	approved	F	6.4.0	TEI6	T3
TP-040258	31.111	126	-	6.3.0	Rel-6	Terminal Profile alignement with ETSI TS 102 223	approved	F	6.4.0	TEI6	T3
TP-040258	31.111	127	-	6.3.0	Rel-6	Correction for a missing letter class in Annex A	approved	F	6.4.0	TEI6	T3
TP-040258	31.111	128	-	6.3.0	Rel-6	Clarification of Terminal Profile procedure	postponed	B		TEI6	T3
TP-040258	31.111	129	-	6.3.0	Rel-6	Correction to allow "3G Session Reset Refresh" to change the IMSI	approved	F	6.4.0	TEI6	T3
TP-040258	31.111	130	-	6.3.0	Rel-6	UICC initiated GBAU Bootstrapp	approved	B	6.4.0	SEC1-SC	T3
TP-040258	31.111	131	-	6.3.0	Rel-6	Display Multimedia Messages from the USIM	approved	B	6.4.0	UEM MS	T3
TP-040259	31.113	027	-	5.5.0	Rel-5	Correction of reference to SCP specification	approved	F	5.6.0	TEI5	T3
TP-040259	31.113	028	-	6.2.0	Rel-6	Correction of reference to SCP specification	approved	A	6.3.0	TEI5	T3
TP-040260	31.115	005	-	6.3.0	Rel-6	Correction of non-specific references to SCP documents	approved	F	6.4.0	TEI6	T3
TP-040261	31.116	007	-	6.5.0	Rel-6	Correction of non-specific references to SCP documents	approved	F	6.6.0	TEI6	T3
TP-040262	31.120	001	-	3.0.0	R99	Alignment to ETSI TS 102230	approved	F	3.1.0	TEI	T3
TP-040263	31.121	044	2	4.9.0	Rel-5	Insertion/enhancement of various tests and integration of GERAN MEs into the scope	approved	B	5.0.0	TEI5	T3
TP-040263	31.121	045	-	4.9.0	Rel-4	Correction of non specific references	approved	F	4.10.0	TEI4	T3
TP-040263	31.121	046	-	3.10.0	R99	Correction of non specific references	approved	F	3.11.0	TEI	T3
TP-040264	31.122	017	-	3.7.0	R99	Correction of non specific references	approved	F	3.8.0	TEI	T3
TP-040265	31.130	001	-	6.0.1	Rel-6	Editorial cleaning	approved	D	6.1.0	TEI6	T3
TP-040265	31.130	002	-	6.0.1	Rel-6	Alignement with 102 241 regarding EnvelopeHandler methods	approved	F	6.1.0	TEI6	T3
TP-040265	31.130	003	-	6.0.1	Rel-6	Alignment with changes in 102 241	approved	F	6.1.0	TEI6	T3
TP-040265	31.130	004	-	6.0.1	Rel-6	Correction of non specific references	approved	F	6.1.0	TEI6	T3
TP-040265	31.130	005	-	6.0.1	Rel-6	Alignment with 31.102 for FID	approved	F	6.1.0	TEI6	T3
TP-040265	31.130	006	-	6.0.1	Rel-6	Alignment with 31.111 and 51.014 Terminal Profile constants	approved	F	6.1.0	TEI6	T3
TP-040266	31.900	015	-	5.5.0	Rel-6	Inclusion of additional USIM support for 2G terminals of R99 and Rel-4	approved	F	6.0.0	TEI5	T3
TP-040267	31.919	001	-	6.0.0	Rel-6	Correction of non-specific references to SCP documents	approved	F	6.1.0	TEI6	T3
SP-040768	32.101	026	-	6.0.0	Rel-6	Add sftp (secure ftp) as a valid File Transfer Protocol - Align with 32.341 File Transfer IRP Requirements	approved	F	6.1.0	OAM-AR	S5
SP-040768	32.102	037	-	6.3.0	Rel-6	Corrections and updates	withdrawn	F		OAM-AR	S5
SP-040790	32.111-2	032	-	6.2.0	Rel-6	Add Generic System Context – Align with 32.150	approved	F	6.3.0	OAM-NIM	S5
SP-040791	32.111-2	033	-	5.4.0	Rel-5	Correct the time carried by the eventTime parameter of notifyComments	approved	F	5.5.0	OAM-NIM	S5
SP-040791	32.111-2	034	-	6.2.0	Rel-6	Correct the time carried by the eventTime parameter of notifyComments	approved	A	6.3.0	OAM-NIM	S5
SP-040791	32.111-2	035	-	6.2.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.3.0	OAM-NIM	S5
SP-040791	32.111-2	036	-	6.2.0	Rel-6	Correct description of thresholdInformation – Align with 32.401	approved	F	6.3.0	OAM-NIM	S5
SP-040791	32.111-2	037	-	6.2.0	Rel-6	Correction of probable cause for alarms.	approved	F	6.3.0	OAM-NIM	S5
SP-040791	32.111-3	034	-	6.0.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.1.0	OAM-NIM	S5
SP-040791	32.111-3	035	-	6.0.0	Rel-6	Correction of probable cause definition for AlarmIRP IDL file.	approved	F	6.1.0	OAM-NIM	S5
SP-040791	32.111-3	036	-	6.0.0	Rel-6	Add mandatory exception operationNotSupported for optional operations in AlarmIRP - Align IDL style with IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM	S5

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SP-040791	32.111-3	037	-	6.0.0	Rel-6	Correction of filterable parameters - Align with the IS in 32.111-2	approved	F	6.1.0	OAM-NIM	S5
SP-040791	32.111-4	029	-	6.2.0	Rel-6	Remove redundant ackTime parameter in notifyAckStateChanged	approved	C	6.3.0	OAM-NIM	S5
SP-040764	32.140	004	-	6.2.0	Rel-6	Editorial corrections and updates of Subscription Management (SuM) requirements	approved	D	6.3.0	SuM	S5
SP-040764	32.140	005	-	6.2.0	Rel-6	Change the Introduction clause to reflect what capability SuM is offering in Rel-6	approved	F	6.3.0	SuM	S5
SP-040790	32.150	002	-	6.1.0	Rel-6	Add Generic System Context	approved	F	6.2.0	OAM-NIM	S5
SP-040764	32.171	001	-	6.0.0	Rel-6	Editorial modifications to "Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements"	approved	D	6.1.0	SuM	S5
SP-040776	32.225	029	-	5.6.0	Rel-5	Align SDP-Media-Components in ACR with CDR	approved	F	5.7.0	OAM-CH	S5
SP-040776	32.225	030	-	5.6.0	Rel-5	Reassign Vendor specific AVP codes - Align with CN4's 29.230	approved	F	5.7.0	OAM-CH	S5
SP-040776	32.225	031	-	5.6.0	Rel-5	Correct multiple occurrence of Inter-Operator-Identifier, ApplicationServer, Application-provided-Called-Party-Address	approved	F	5.7.0	OAM-CH	S5
SP-040775	32.251	001	-	6.0.0	Rel-6	Add "Furnish Charging Information" procedure for GPRS	approved	B	6.1.0	CH	S5
SP-040775	32.251	002	-	6.0.0	Rel-6	Add data description for PS online charging	approved	F	6.1.0	CH	S5
SP-040780	32.270	001	-	6.0.0	Rel-6	Introduce Application Data in MMS Charging – Align with T2's TS 23.140 (MMS6)	approved	F	6.1.0	CH-SC	S5
SP-040780	32.270	002	-	6.0.0	Rel-6	Introduce Content Adaptation in MMS Charging – Align with T2's 23.140 (MMS6)	approved	F	6.1.0	CH-SC	S5
SP-040780	32.270	003	-	6.0.0	Rel-6	Correction on VASP MMS CDR triggers	approved	F	6.1.0	CH-SC	S5
SP-040776	32.299	001	-	6.0.0	Rel-6	Reassign Vendor specific AVP codes - Align with CN4's 29.230	approved	A	6.1.0	OAM-CH	S5
SP-040776	32.299	002	-	6.0.0	Rel-6	Add Threshold based re-authorisation triggers	approved	B	6.1.0	CH	S5
SP-040776	32.299	003	-	6.0.0	Rel-6	Add Re-authorisation triggers for flow-based online charging – Align with Stage 2	approved	B	6.1.0	CH	S5
SP-040776	32.299	004	-	6.0.0	Rel-6	Add missing elements and other corrections	approved	F	6.1.0	CH	S5
SP-040775	32.299	005	-	6.0.0	Rel-6	Add definition of a new 3GPP-specific AVP: PS Furnish Charging Information AVP - Align with 32.251	approved	B	6.1.0	CH	S5
SP-040793	32.300	003	-	5.0.1	Rel-6	Correct and convert formal specification from BNF syntax to EBNF with corrections	approved	F	6.0.0	OAM-NIM	S5
SP-040793	32.302	006	-	5.1.0	Rel-5	Add missing rules on how to construct the string NotificationCategory	approved	F	5.2.0	OAM-NIM	S5
SP-040793	32.302	007	-	6.0.0	Rel-6	Add missing rules on how to construct the string NotificationCategory	approved	A	6.1.0	OAM-NIM	S5
SP-040793	32.303	013	-	6.1.0	Rel-6	Remove filter requirement in IDL comments in the Notification IRP CORBA SS	approved	F	6.2.0	OAM-NIM	S5
SP-040794	32.311	003	-	6.0.0	Rel-6	Correct ambiguities in using IRPVersion, Add reference to its CORBA/CMIP SSs	approved	F	6.1.0	OAM-NIM	S5
SP-040794	32.312	003	-	6.0.0	Rel-6	Update UML diagrams, Add reference to its CORBA/CMIP SSs	approved	F	6.1.0	OAM-NIM	S5
SP-040797	32.323	002	-	6.0.0	Rel-6	Align the IDL style innthe CORBA SS with the IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM	S5
SP-040800	32.343	001	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align IDL style in FT IRP CORBA SS with IDL Style Guide in 32.150	approved	F	6.1.0	OAM-NIM	S5
SP-040802	32.353	001	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align IDL style in CS IRP CORBA SS with IDL Style Guide in TS 32.150	approved	F	6.1.0	OAM-NIM	S5

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SP-040804	32.363	002	-	6.1.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields, Eliminate new definitions in EP IRP CORBA SS	withdrawn	F		OAM-NIM	S5
SP-040877	32.363	002	1	6.1.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields, Eliminate new definitions in EP IRP CORBA SS	approved	F	6.2.0	OAM-NIM	S5
SP-040805	32.371	001	-	6.0.0	Rel-6	Correct the Introduction clause – Align with what is actually delivered in Rel-6 on Security Management	approved	D	6.1.0	OAM-NIM	S5
SP-040783	32.401	021	-	6.3.0	Rel-6	Removal of annexes from Performance Management Concepts and Requirements	approved	D	6.4.0	OAM-PM	S5
SP-040783	32.401	022	-	6.3.0	Rel-6	Add requirements for Threshold Management	approved	B	6.4.0	OAM-PM	S5
SP-040783	32.403	054	-	4.8.0	Rel-4	Correct measurements about GPRS Update Locations sent to the HLR	approved	F	4.9.0	OAM-PM	S5
SP-040783	32.403	055	-	5.8.0	Rel-5	Correct measurements about GPRS Update Locations sent to the HLR	approved	A	5.9.0	OAM-PM	S5
SP-040783	32.403	056	-	6.5.0	Rel-6	Correct measurements about GPRS Update Locations sent to the HLR	approved	A	6.6.0	OAM-PM	S5
SP-040784	32.412	007	-	6.2.0	Rel-6	Correct ambiguous precondition statement related to createThresholdMonitor operation	approved	F	6.3.0	OAM-PM	S5
SP-040784	32.412	008	-	6.2.0	Rel-6	Correct definition of ObjectClass and ObjectInstance in "notifyMeasurementJobStatusChanged" and "notifyThresholdMonitorStatusChanged"	approved	F	6.3.0	OAM-PM	S5
SP-040784	32.413	004	-	6.2.0	Rel-6	Add missing exception & filter to PM IRP CORBA SS, Align with IDL Style Guide in 32.150	approved	F	6.3.0	OAM-PM	S5
SP-040770	32.421	005	-	6.4.0	Rel-6	Remove requirement for having ASN.1 as Trace record format	approved	C	6.5.0	OAM-Trace	S5
SP-040770	32.421	006	-	6.4.0	Rel-6	Remove in Rel-6 the signalling based Trace in IMS due to missing SIP signalling support from CN1/IETF	approved	C	6.5.0	OAM-Trace	S5
SP-040770	32.422	001	-	6.0.0	Rel-6	Remove IMS entities from the Signalling Based Activation of the Trace functionality	approved	C	6.1.0	OAM-Trace	S5
SP-040770	32.422	002	-	6.0.0	Rel-6	Align Management Based Activation for Trace with RAN3's 25.413 (UTRAN Iu interface RANAP signalling)	approved	F	6.1.0	OAM-Trace	S5
SP-040806	32.601	002	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in 32.601 BasicCM IRP Requirements	approved	B	6.1.0	OAM-NIM	S5
SP-040806	32.603	015	-	6.1.0	Rel-6	Align the IDL style in the CORBA SS with the IDL Style Guide in 32.150	approved	F	6.2.0	OAM-NIM	S5
SP-040807	32.612	011	-	6.0.0	Rel-6	Partition Bulk CM IRP capabilities into packages	approved	F	6.1.0	OAM-NIM	S5
SP-040807	32.612	012	-	6.0.0	Rel-6	BulkCMIRP should be extended to be applicable to new NRM model, such as Signalling Transport Network (STN) NRM IRP	approved	B	6.1.0	OAM-NIM	S5
SP-040807	32.613	010	-	6.0.0	Rel-6	Correct mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields - Align with IS in 32.612	approved	F	6.1.0	OAM-NIM	S5
SP-040807	32.613	011	-	6.0.0	Rel-6	Partition Bulk CM IRP capabilities into separate IDL modules – Align to IS in 32.612	approved	F	6.1.0	OAM-NIM	S5
SP-040807	32.613	012	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in BulkCM IRP CORBA SS	approved	B	6.1.0	OAM-NIM	S5
SP-040807	32.615	018	-	6.0.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in BulkCM IRP XML FF	approved	B	6.1.0	OAM-NIM	S5
SP-040808	32.622	020	-	6.2.0	Rel-6	Correct the write qualification for VsDataContainer.vsData	approved	F	6.3.0	OAM-NIM	S5
SP-040808	32.622	021	-	6.2.0	Rel-6	Correction of modelling of Media GateWay (MGW)	approved	F	6.3.0	OAM-NIM	S5

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SP-040808	32.624	019	-	5.4.0	Rel-5	Add missing definition of attribute meContextId	approved	F	5.5.0	OAM-NIM	S5
SP-040808	32.624	020	-	6.0.0	Rel-6	Add missing definition of attribute meContextId	approved	A	6.1.0	OAM-NIM	S5
SP-040808	32.624	021	-	6.0.0	Rel-6	Add definitions for genericIRP	approved	F	6.1.0	OAM-NIM	S5
SP-040808	32.625	012	-	5.3.0	Rel-5	Correct attribute for the managementScope association - Align with IS in 32.622	approved	F	5.4.0	OAM-NIM	S5
SP-040808	32.625	013	-	6.2.0	Rel-6	Correct attribute for the managementScope association - Align with IS in 32.622	approved	A	6.3.0	OAM-NIM	S5
SP-040809	32.632	012	-	6.0.0	Rel-6	Add new IMS Entities to Rel-6 Core Network NRM	approved	B	6.1.0	OAM-NIM	S5
SP-040809	32.632	013	-	6.0.0	Rel-6	Add restart notification to GSN objects using "proceduralStatus" attribute and notifyStateChange notification	approved	B	6.1.0	OAM-NIM	S5
SP-040809	32.633	007	-	6.0.0	Rel-6	Add new IMS Entities	approved	B	6.1.0	OAM-NIM	S5
SP-040809	32.633	008	-	6.0.0	Rel-6	Add restart notification to GSN objects using "proceduralStatus" attribute - Align with IS in 32.632	approved	B	6.1.0	OAM-NIM	S5
SP-040809	32.635	008	-	6.0.0	Rel-6	Add new IMS Entities	approved	B	6.1.0	OAM-NIM	S5
SP-040810	32.642	028	-	6.2.0	Rel-6	Add AntennaFunction class and attributes to support RET (Remote control of Electrical Tilting)	approved	B	6.3.0	OAM-NIM	S5
SP-040810	32.642	029	-	6.2.0	Rel-6	Add support for the state change notification	approved	B	6.3.0	OAM-NIM	S5
SP-040810	32.643	017	-	6.2.0	Rel-6	Correct IDL compilation error	approved	F	6.3.0	OAM-NIM	S5
SP-040810	32.643	018	-	6.2.0	Rel-6	Correct IDL compilation error and change name of retAntennaList	approved	F	6.3.0	OAM-NIM	S5
SP-040810	32.644	015	-	5.6.0	Rel-6	Add support for the TDD mode, the state change notification and ATM management – Align with 32.642	approved	B	6.0.0	OAM-NIM	S5
SP-040810	32.645	016	-	6.1.0	Rel-6	Add operationalState to the UtranCell – Align with the IS in 32.642	approved	F	6.2.0	OAM-NIM	S5
SP-040811	32.655	011	-	6.0.0	Rel-6	Add operationalState to the BtsSiteMgr – Align with the IS in 32.652	approved	F	6.1.0	OAM-NIM	S5
SP-040812	32.661	004	-	6.1.0	Rel-6	Add Signalling Transport Network (STN) NRM IRP in KernelCM IRP Requirements	approved	B	6.2.0	OAM-NIM	S5
SP-040812	32.663	011	-	6.2.0	Rel-6	Correct the mapping of IS-defined non-filterable parameters to SS-defined non-filterable fields (instead of filterable fields) - Align with IS in 32.662	approved	F	6.3.0	OAM-NIM	S5
SP-040813	32.674	002	-	5.1.0	Rel-5	Correct GDMO code	approved	F	5.2.0	OAM-NIM	S5
SP-040813	32.674	003	-	6.0.0	Rel-6	Correct GDMO code	approved	A	6.1.0	OAM-NIM	S5
SP-040816	32.692	001	-	5.0.0	Rel-6	Align Inventory Management Network Resource Model with the latest template from Rel-6 TS 32.150	approved	F	6.0.0	OAM-NIM	S5
SP-040852	33.102	189	-	6.2.0	Rel-6	Correction of Abbreviation for USIM	approved	D	6.3.0	SEC1	S3
SP-040852	33.102	190	1	6.2.0	Rel-6	Correction of TMUI to TMSI in a figure	approved	D	6.3.0	SEC1	S3
SP-040852	33.102	191	3	6.2.0	Rel-6	Support of algorithms in UEs	approved	C	6.3.0	SEC1	S3
SP-040850	33.107	048	-	6.3.0	Rel-6	Lawful Interception for WLAN Interworking	approved	B	6.4.0	SEC1-LI	S3

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SP-040850	33.107	049	-	6.3.0	Rel-6	33.107 Cleanup	approved	F	6.4.0	SEC1-LI	S3
SP-040850	33.107	050	-	6.3.0	Rel-6	Clarification on MMS interception	approved	B	6.4.0	SEC1-LI	S3
SP-040851	33.108	060	-	5.8.0	Rel-5	Correction to ULIC header	approved	F	5.9.0	SEC1-LI	S3
SP-040851	33.108	061	-	6.7.0	Rel-6	Correction to ULIC header	approved	A	6.8.0	SEC1-LI	S3
SP-040851	33.108	062	-	6.7.0	Rel-6	Correction on parameter GprsOperationErrorCode	approved	F	6.8.0	SEC1-LI	S3
SP-040851	33.108	063	-	6.7.0	Rel-6	Correction to the IMPORTS statements	approved	F	6.8.0	SEC1-LI	S3
SP-040851	33.108	064	-	6.7.0	Rel-6	Syntax Error in Annex B.3	approved	F	6.8.0	SEC1-LI	S3
SP-040851	33.108	065	-	6.7.0	Rel-6	Deleting CC from SIP message	approved	B	6.8.0	SEC1-LI	S3
SP-040851	33.108	066	-	6.7.0	Rel-6	Adding domain ID to HI3 CS domain module	approved	B	6.8.0	SEC1-LI	S3
SP-040851	33.108	067	-	6.7.0	Rel-6	Syntax Error in Annex B.3a	approved	F	6.8.0	SEC1-LI	S3
SP-040851	33.108	068	-	6.7.0	Rel-6	HI2 SIP Content clarification	approved	C	6.8.0	SEC1-LI	S3
SP-040853	33.200	023	1	5.1.0	Rel-6	SMS fraud countermeasures	revised	B		SEC1-MAP	S3
SP-040921	33.200	023	2	5.1.0	Rel-6	SMS fraud countermeasures	approved	B	6.0.0	SEC1-MAP	S3
SP-040854	33.203	075	1	6.4.0	Rel-6	Editorial corrections	approved	D	6.5.0	IMS-ASEC	S3
SP-040855	33.220	018	1	6.2.0	Rel-6	BSF discovery using default domain method	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	019	1	6.2.0	Rel-6	Local validity condition set by NAF	approved	F	6.3.0	SEC1-SC	S3
SP-040855	33.220	020	3	6.2.0	Rel-6	GBA User Security Settings (GUSS) usage in GAA and Introduction of NAF groups	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	021	2	6.2.0	Rel-6	Details of USIM/ISIM selection in GAA	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	023	-	6.2.0	Rel-6	TLS profile for securing Zn' reference point	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	025	2	6.2.0	Rel-6	Optimization of the GBA_U key derivation procedure	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	027	2	6.2.0	Rel-6	Requirement on ME capabilities for GBA_U	approved	B	6.3.0	SEC1-SC	S3
SP-040855	33.220	034	1	6.2.0	Rel-6	Adding a note about replay protection	approved	F	6.3.0	SEC1-SC	S3
SP-040855	33.220	035	1	6.2.0	Rel-6	Complete the MAC modification for GBA_U	approved	F	6.3.0	SEC1-SC	S3
SP-040855	33.220	036	1	6.2.0	Rel-6	Removal of unnecessary editor's notes	approved	D	6.3.0	SEC1-SC	S3
SP-040855	33.220	038	1	6.2.0	Rel-6	Fetching of one AV only on each Zh run between BSF and HSS	approved	C	6.3.0	SEC1-SC	S3

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SP-040855	33.220	039	1	6.2.0	Rel-6	Clean up of TS 33.220	approved	F	6.3.0	SEC1-SC	S3
SP-040855	33.220	040	1	6.2.0	Rel-6	New key management for ME based GBA keys	approved	C	6.3.0	SEC1-SC	S3
SP-040855	33.220	041	1	6.2.0	Rel-6	Key derivation function	approved	B	6.3.0	SEC1-SC	S3
SP-040855	33.220	042	1	6.2.0	Rel-6	Re-negotiation of keys	approved	F	6.3.0	SEC1-SC	S3
SP-040855	33.220	043	1	6.2.0	Rel-6	No GUSS/USS update procedures in Release-6	approved	C	6.3.0	GBA-SSC	S3
SP-040855	33.220	044	1	6.2.0	Rel-6	Clarify the number of NAF-specific keys stored in the UE per NAF-Id	approved	D	6.3.0	SEC1-SC	S3
SP-040856	33.221	005	-	6.1.0	Rel-6	Visited network issuing subscriber certificates	approved	B	6.2.0	SEC1-SC	S3
SP-040856	33.221	006	-	6.1.0	Rel-6	Editorial correction	approved	D	6.2.0	SEC1-SC	S3
SP-040889	33.222	005	-	6.1.0	Rel-6	GBA supported indication in PSK TLS	approved	C	6.2.0	GBA-SSC	S3
SP-040889	33.222	007	1	6.1.0	Rel-6	Adding Support for AES in the TLS Profile	approved	C	6.2.0	GBA-SSC	S3
SP-040890	33.222	008	-	6.1.0	Rel-6	Removing PSK TLS from 3GPP rel-6	postponed	F		GBA-SSC	S3
SP-040889	33.222	010	1	6.1.0	Rel-6	Authorization flag transfer between AP and AS	approved	C	6.2.0	GBA-SSC	S3
SP-040889	33.222	012	-	6.1.0	Rel-6	Correction of inconsistencies within AP specification	approved	F	6.2.0	GBA-SSC	S3
SP-040889	33.222	013	1	6.1.0	Rel-6	TLS extensions support	approved	C	6.2.0	SEC1-SC	S3
SP-040889	33.222	014	-	6.1.0	Rel-6	Visited AS using subscriber certificates	approved	C	6.2.0	SEC1-SC	S3
SP-040890	33.222	015	1	6.1.0	Rel-6	Keeping PSK TLS in 3GPP rel-6	postponed	F		SEC1-SC	S3
SP-040858	33.234	019	2	6.2.1	Rel-6	Profile for PDG certificates in Scenario 3	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	020	4	6.2.1	Rel-6	Impact of TR 33.817 (Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces)	revised	B		WLAN	S3
SP-040891	33.234	020	5	6.2.1	Rel-6	Impact of TR 33.817 (Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces)	approved	B	6.3.0	WLAN	S3
SP-040858	33.234	024	1	6.2.1	Rel-6	Sending of W-APN identification	approved	B	6.3.0	WLAN	S3
SP-040858	33.234	025	2	6.2.1	Rel-6	Clean up of not completed chapters	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	027	6	6.2.1	Rel-6	Correction of WLAN UE function split	approved	C	6.3.0	WLAN	S3
SP-040858	33.234	028	-	6.2.1	Rel-6	Passing keying material to the WLAN-AN during the Fast re-authentication procedure	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	029	1	6.2.1	Rel-6	Clarification on Deletion of Temporary IDs	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	030	-	6.2.1	Rel-6	Clarification on Protecting Re-authentication ID in FAST/FULL Re-Authentication procedure	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	031	-	6.2.1	Rel-6	Assigning Remote IP Address to WLAN UE using IKEv2 configuration Payload	approved	B	6.3.0	WLAN	S3
SP-040858	33.234	033	1	6.2.1	Rel-6	Tunnel Establishment Procedure	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	036	-	6.2.1	Rel-6	Deletion of inconclusive text on A5/2 countermeasures	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	037	1	6.2.1	Rel-6	Alignment of IPsec profile with RFC2406	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	040	2	6.2.1	Rel-6	Control of simultaneous sessions in WLAN 3GPP IP access	approved	C	6.3.0	WLAN	S3
SP-040858	33.234	041	1	6.2.1	Rel-6	Completion of definition and abbreviations	approved	D	6.3.0	WLAN	S3
SP-040858	33.234	042	1	6.2.1	Rel-6	Fallback from re-authentication to full authentication	approved	F	6.3.0	WLAN	S3

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SP-040858	33.234	043	-	6.2.1	Rel-6	Clarification on the use of IMSI in WLAN 3GPP IP access	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	044	2	6.2.1	Rel-6	Clarification on the use of MAC addresses	approved	C	6.3.0	WLAN	S3
SP-040858	33.234	045	-	6.2.1	Rel-6	Clarifications and corrections on the use of pseudonyms	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	047	-	6.2.1	Rel-6	Wn Reference Point Description	approved	D	6.3.0	WLAN	S3
SP-040858	33.234	048	-	6.2.1	Rel-6	Removal of word "scenario"	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	049	1	6.2.1	Rel-6	Correction of WRAP to CCMP	approved	F	6.3.0	WLAN	S3
SP-040858	33.234	050	1	6.2.1	Rel-6	Removal of resolved editors' notes	approved	D	6.3.0	WLAN	S3
SP-040859	33.246	001	4	6.0.0	Rel-6	Deletion of MBMS keys stored in the ME	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	002	-	6.0.0	Rel-6	Clarification on key management	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	005	3	6.0.0	Rel-6	Clean up of MBMS TS	approved	D	6.1.0	MBMS	S3
SP-040859	33.246	006	1	6.0.0	Rel-6	Traffic protection combinations	approved	F	6.1.0	MBMS	S3
SP-040859	33.246	007	3	6.0.0	Rel-6	Clarifying ME and BM-SC capabilities	approved	F	6.1.0	MBMS	S3
SP-040859	33.246	009	1	6.0.0	Rel-6	MBMS MTK Download transport	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	010	3	6.0.0	Rel-6	MBMS Transport of salt	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	011	1	6.0.0	Rel-6	SRTP index synchronisation within ME	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	012	2	6.0.0	Rel-6	Clarify the use of mandatory MIKEY features for MBMS	approved	F	6.1.0	MBMS	S3
SP-040859	33.246	014	-	6.0.0	Rel-6	Protection of the Gmb reference point	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	015	1	6.0.0	Rel-6	Use of parallel MSKs and MTKs	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	016	3	6.0.0	Rel-6	Scope of MBMS security	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	018	4	6.0.0	Rel-6	Clarification of the format of MTK ID and MSK ID	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	020	3	6.0.0	Rel-6	MTK update procedure for streaming services	approved	B	6.1.0	MBMS	S3
SP-040859	33.246	021	8	6.0.0	Rel-6	Clarification of MSK key management	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	022	1	6.0.0	Rel-6	Modification of delivery of MIKEY RAND field in MSK updates	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	023	2	6.0.0	Rel-6	OMA DRM DCF for protection of download services	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	028	1	6.0.0	Rel-6	Shorter MKI	approved	C	6.1.0	MBMS	S3
SP-040859	33.246	033	1	6.0.0	Rel-6	Handling of MBMS identities and definition completion/modificationSpecify how to identify the MUK and MRK	approved	C	6.1.0	MBMS	S3
SP-040860	33.817	001	2	6.0.0	Rel-6	Bluetooth security and configuration considerations for Annex of TR 33.817	approved	B	6.1.0	WLAN	S3
SP-040860	33.817	002	2	6.0.0	Rel-6	Terminology update to not rule out the use of the smart card for security enhancements	approved	F	6.1.0	USIM-Reuse	S3
SP-040861	33.919	002	-	6.0.0	Rel-6	Removal of unnecessary editor's notes	approved	D	6.1.0	GAA	S3
TP-040233	34.108	365	-	5.2.0	Rel-5	CR to 34.108 Rel-5:Correction to default value of Qrxlevmin	approved	F	5.3.0	TEI	T1
TP-040233	34.108	366	-	5.2.0	Rel-5	CR to 34.108 Rel-5: Corrections of the values in 6.11.5.4 for LCR TDD	approved	F	5.3.0	TEI	T1
TP-040233	34.108	367	-	5.2.0	Rel-5	Alignment of Prose to TTCN for SCH power level	approved	F	5.3.0	TEI	T1
TP-040233	34.108	368	-	5.2.0	Rel-5	Addition of new HSDPA RAB configurations with UL 64 kbps	approved	F	5.3.0	TEI	T1
TP-040233	34.108	369	-	5.2.0	Rel-5	Correction to initial conditions and references in clause 7.3	approved	F	5.3.0	TEI	T1
TP-040233	34.108	370	-	5.2.0	Rel-5	Introduction of reference radio bearer combination for PS streaming and downlink rate up to 128 kbps	approved	F	5.3.0	TEI	T1
TP-040233	34.108	371	-	5.2.0	Rel-5	Correction of section 6.1 (Simulated network environment)	approved	F	5.3.0	TEI	T1
TP-040233	34.108	372	-	5.2.0	Rel-5	Correction to generic Call Setup procedure for mobile terminating circuit switched calls	approved	F	5.3.0	TEI	T1
TP-040233	34.108	373	-	5.2.0	Rel-5	CR to 34.108 Rel-5, Corrections to the default RADIO BEARER SETUP message for HSDPA	approved	F	5.3.0	TEI	T1
TP-040233	34.108	374	-	5.2.0	Rel-5	Physical layer multiplexing configuration in case of AMR and two PS RABs	approved	F	5.3.0	TEI	T1
TP-040233	34.108	375	-	5.2.0	Rel-5	Addition of new HSDPA RAB configurations	approved	F	5.3.0	TEI	T1
TP-040233	34.108	376	-	5.2.0	Rel-5	Introduction of information for tests for Performance requirements for A-GPS.	approved	B	5.3.0	TEI	T1
TP-040233	34.108	377	-	5.2.0	Rel-5	Introduction of UMTS-850 MHz band V	approved	F	5.3.0	TEI	T1
TP-040233	34.108	378	-	5.2.0	Rel-5	CR to TS34.108 Rel-5, Adding a new test condition for RADIO BEARER RELEASE Procedure (Revision of T1-041716).	approved	F	5.3.0	TEI	T1
TP-040233	34.108	379	-	5.2.0	Rel-5	Update of Reference Radio Bearer for Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB for DL SF=256	approved	F	5.3.0	TEI	T1

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TP-040233	34.108	380	-	5.2.0	Rel-5	CR to 34.108: Correction to the maximum bit rate for HS-PDSCH	approved	F	5.3.0	TEI	T1
TP-040233	34.108	381	-	5.2.0	Rel-5	Alignment of Prose to TTCN for RRC Connection Release (Cell DCH state) and RRC Connection Setup Message (Cell FACH State).	approved	F	5.3.0	TEI	T1
TP-040234	34.121	431	-	5.5.0	Rel-5	Introduction of Test Tolerances to Event triggered reporting of multiple neighbours in AWGN propagation condition (Rel-4 and later), test 8.6.1.2A	rejected	F		TEI	T1
TP-040234	34.121	432	-	5.5.0	Rel-5	Addition of UMTS-850 Band V to chapter 4.	rejected	F		TEI	T1
TP-040234	34.121	433	-	5.5.0	Rel-5	Addition of UMTS-850 Band V to chapter 5	approved	F	5.6.0	TEI	T1
TP-040234	34.121	434	-	5.5.0	Rel-5	Correction of the FDD/FDD Soft Handover test parameters	approved	F	5.6.0	TEI	T1
TP-040234	34.121	435	-	5.5.0	Rel-5	Corrections to TC 8.7.3C UE transmitted power	approved	F	5.6.0	TEI	T1
TP-040234	34.121	436	-	5.5.0	Rel-5	Addition of test tolerances to TC 8.3.4	approved	F	5.6.0	TEI	T1
TP-040234	34.121	437	-	5.5.0	Rel-5	New clause for reference conditions	approved	F	5.6.0	TEI	T1
TP-040234	34.121	438	-	5.5.0	Rel-5	Alignment of HSDPA OCNS with TS 25.101	approved	F	5.6.0	TEI	T1
TP-040234	34.121	439	-	5.5.0	Rel-5	Correction to Handover to GSM TC 8.3.4	approved	F	5.6.0	TEI	T1
TP-040234	34.121	440	-	5.5.0	Rel-5	Correction to test procedure in 7.12	approved	F	5.6.0	TEI	T1
TP-040234	34.121	441	-	5.5.0	Rel-5	Correction to 8.7.6.1 UE Rx-Tx time difference type 1	approved	F	5.6.0	TEI	T1
TP-040234	34.121	442	-	5.5.0	Rel-5	Corrections to RRM test cases 8.6.1.2 Event riggered reporting?	approved	F	5.6.0	TEI	T1
TP-040234	34.121	443	-	5.5.0	Rel-5	Update of references to GSM core specifications	approved	F	5.6.0	TEI	T1
TP-040234	34.121	444	-	5.5.0	Rel-5	Corrections to HSDPA test 9.4 (HS-SCCH detection)	approved	F	5.6.0	TEI	T1
TP-040234	34.121	445	-	5.5.0	Rel-5	Clarification of HS-PDSCH and HS-SCCH signal structure	approved	F	5.6.0	TEI	T1
TP-040234	34.121	446	-	5.5.0	Rel-5	CR to 34.121 Rel 5: Editorial corrections to test 8.7.3	approved	D	5.6.0	TEI	T1
TP-040234	34.121	447	-	5.5.0	Rel-5	Corrections to BTFD test case	approved	F	5.6.0	TEI	T1
TP-040234	34.121	448	-	5.5.0	Rel-5	Corrections to RRM test cases 8.3.2.1 and 8.3.2.2 Correction to the test procedure of FDD/FDD Hard Handover test cases	approved	F	5.6.0	TEI	T1
TP-040234	34.121	449	-	5.5.0	Rel-5	Corrections to TC 8.6.4.1	approved	F	5.6.0	TEI	T1
TP-040234	34.121	450	-	5.5.0	Rel-5	Correction to pathloss indicator	approved	F	5.6.0	TEI	T1
TP-040234	34.121	451	-	5.5.0	Rel-5	Corrections to RRM test case 8.5.1 UE Transmit Timing	approved	F	5.6.0	TEI	T1
TP-040234	34.121	452	-	5.5.0	Rel-5	Corrections and additions to Release 5 RRM test case 8.6.2.2	approved	F	5.6.0	TEI	T1
TP-040234	34.121	453	-	5.5.0	Rel-5	Measurement Channel for BLER measurement in 8.3.1 FDD/FDD Soft Handover.	approved	F	5.6.0	TEI	T1
TP-040234	34.121	454	-	5.5.0	Rel-5	Correction to SFN-SFN observed time difference type 1 measurement test case	approved	F	5.6.0	TEI	T1
TP-040234	34.121	455	-	5.5.0	Rel-5	Corrections to HSDPA test 6.3A (max input power)	approved	F	5.6.0	TEI	T1
TP-040234	34.121	456	-	5.5.0	Rel-5	CM configuration in FDD inter frequency measurements in TC 8.6.2.1	approved	F	5.6.0	TEI	T1
TP-040234	34.121	457	-	5.5.0	Rel-5	Addition of the scheduling information for Cell Re-Selection test cases	approved	F	5.6.0	TEI	T1
TP-040234	34.121	458	-	5.5.0	Rel-5	Correction to 8.3.1 UE FDD/FDD Soft Handover	approved	F	5.6.0	TEI	T1
TP-040234	34.121	459	-	5.5.0	Rel-5	Correction to 8.7.1.1 CPICH RSCP Intra frequency measurements accuracy	approved	F	5.6.0	TEI	T1
TP-040234	34.121	460	-	5.5.0	Rel-5	Corrections to HSDPA test 9.3 (CQI reporting)	approved	F	5.6.0	TEI	T1
TP-040234	34.121	461	-	5.5.0	Rel-5	Correction to measurement configurations in section 7	approved	F	5.6.0	TEI	T1
TP-040234	34.121	462	-	5.5.0	Rel-5	Change of notes position in TS34.121 Annex E.3	approved	F	5.6.0	TEI	T1
TP-040234	34.121	463	-	5.5.0	Rel-5	BLER testing for UEs with asymmetrical UL/DL data rates	approved	F	5.6.0	TEI	T1
TP-040234	34.121	464	-	5.5.0	Rel-5	Invalid MAC header for downlink dummy DCCH	approved	F	5.6.0	TEI	T1
TP-040234	34.121	465	-	5.5.0	Rel-5	Addition of test tolerances and corrections for 8.6.2.1 Correct reporting of neighbours in AWGN propagation condition (34.121)	approved	F	5.6.0	TEI	T1
TP-040234	34.121	466	-	5.5.0	Rel-5	Correction to Correct reporting of neighbours in fading progapation condition test case	approved	F	5.6.0	TEI	T1
TP-040234	34.121	467	-	5.5.0	Rel-5	Correction to Event triggered reporting of two detectable neighbours in AWGN propagation condition test cases	approved	F	5.6.0	TEI	T1
TP-040234	34.121	468	-	5.5.0	Rel-5	S-CCPCH configuration in 8.3.5 Cell Re-selection in CELL_FACH.	approved	F	5.6.0	TEI	T1
TP-040234	34.121	469	-	5.5.0	Rel-5	Corrections to TC 8.2.3.1 and 8.2.3.2	approved	F	5.6.0	TEI	T1
TP-040234	34.121	470	-	5.5.0	Rel-5	Correction to MEASUREMENT CONTROL Message for 8.6.2.1: Correct reporting of neighbours in AWGN propagation condition and 8.3.2.2: FDD/FDD Hard Handover to inter-frequency cell test cases	approved	F	5.6.0	TEI	T1

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TP-040234	34.121	471	-	5.5.0	Rel-5	Corrections to HSDPA test 9.2 (Demod of HS-DSCH)	approved	F	5.6.0	TEI	T1
TP-040234	34.121	472	-	5.5.0	Rel-5	Addition of UMTS-850 Band V to chapter 6	approved	F	5.6.0	TEI	T1
TP-040234	34.121	473	-	5.5.0	Rel-5	Correction of time to receive system information in RRM test cases	approved	F	5.6.0	TEI	T1
TP-040234	34.121	474	-	5.5.0	Rel-5	CR to 34.121: Changing the BLER target for the DCCH in test 7.8	approved	D	5.6.0	TEI	T1
TP-040234	34.121	475	-	5.5.0	Rel-5	Corrections to Information elements for Monitored Cells in Annex I.	approved	F	5.6.0	TEI	T1
TP-040234	34.121	476	-	5.5.0	Rel-5	Introduction of UMTS-850 MHz band V	approved	F	5.6.0	TEI	T1
TP-040291	34.121	477	-	5.5.0	Rel-5	Introduction of Test Tolerances to Event triggered reporting of multiple neighbours in AWGN propagation condition (Rel-4 and later), test 8.6.1.2A	approved	F	5.6.0	TEI	T1
TP-040291	34.121	478	-	5.5.0	Rel-5	Addition of UMTS-850 Band V to chapter 4.	approved	F	5.6.0	TEI	T1
TP-040235	34.123-1	1000	-	5.9.0	Rel-5	Correction to Package 4 RRC test case 8.3.7.5	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1001	-	5.9.0	Rel-5	Correction to Package 4 RRC test case 8.1.3.9	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1002	-	5.9.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.21	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1003	-	5.9.0	Rel-5	Correction to Package 3 RRC test case 8.3.2.11	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1004	-	5.9.0	Rel-5	Clarification in test case 11.2.2.2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1005	-	5.9.0	Rel-5	Correction to Package 1 RRC test case 8.1.7.1b	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1006	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 3 RAB test cases 14.2.51b.1 & 14.2.38c (Revision of T1-041644)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1007	-	5.9.0	Rel-5	Correction to prose for Package 4 RRC test case 8.1.7.1c	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1008	-	5.9.0	Rel-5	Correction to P1 RRC test case 8.4.1.1 (Revision of T1-041553)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1009	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to prose for Package 3 MM test case 9.4.7 (revision of T1-041530)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1010	-	5.9.0	Rel-5	More alignment of IE Names used in Clause 12 to the core specification	approved	D	5.10.0	TEI	T1
TP-040235	34.123-1	1011	-	5.9.0	Rel-5	Correction to Approved GCF P4 NAS Test Case 12.9.7c	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1012	-	5.9.0	Rel-5	Corrections to high priority GMM test case 12.9.9	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1013	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 1 GMM test cases 12.9.1.(Revision of T1-041642)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1014	-	5.9.0	Rel-5	Correction to GMM test cases in clause 12.9 (Revision of T1-041918)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1015	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5, Corrections to HSDPA RRC test cases (revision of T1-041755)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1016	-	5.9.0	Rel-5	Correction to TC 12.9.8 (P4)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1017	-	5.9.0	Rel-5	New HSDPA RRC test cases (intra-frequency) (revision of T1-041799)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1018	-	5.9.0	Rel-5	New HSDPA RRC test cases (inter-frequency) (revision of T1-041800)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1019	-	5.9.0	Rel-5	Updating ?Conformance requirement? in test case 11.1.4.1 and addition of lower layer signalling.	approved	F	5.10.0	TEI	T1

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TP-040235	34.123-1	1020	-	5.9.0	Rel-5	Addition of inter-RAT handover test case to 34.123-1 (Revision of T1-041582)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1021	-	5.9.0	Rel-5	Correction to low priority RRC test case 8.2.6.34	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1022	-	5.9.0	Rel-5	Alignment of IE values used in Clause 12 to the core specification (Revision of T1-041561)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1023	-	5.9.0	Rel-5	Correction to GCF P3 Test Case 8.4.1.29	approved	D	5.10.0	TEI	T1
TP-040235	34.123-1	1024	-	5.9.0	Rel-5	New test cases for Location updating / periodic search for HPLMN or higher priority PLMN when in VPLMN	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1025	-	5.9.0	Rel-5	Update of HSDPA radio bearer test cases 14.6.1 and 14.6.2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1026	-	5.9.0	Rel-5	Correction to 14.1.2 (Revision of T1-041798)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1027	-	5.9.0	Rel-5	CR to 34.123-1 R5: New test cases for A-GPS transfer to third party	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1028	-	5.9.0	Rel-5	CR to 34.123-1 R5: New test cases for A-GPS privacy options	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1029	-	5.9.0	Rel-5	CR to 34.123-1 R5: Assistance data for UE-assisted A-GPS	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1030	-	5.9.0	Rel-5	Update of radio bearer test case 14.2.62 for Wideband AMR	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1031	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5, New HSDPA RRC test cases (revision of T1-041589)	approved	B	5.10.0	TEI	T1
TP-040235	34.123-1	1032	-	5.9.0	Rel-5	New MAC-hs test case for transport format selection	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1033	-	5.9.0	Rel-5	Removal of optional ?Follow-on request pending? indicator in SM test case 11.1.1.1.	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1034	-	5.9.0	Rel-5	Removal of optional ?Follow-on request pending? indicator in SM test case 11.1.1.1a.	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1035	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 4 RRC test case 8.3.1.18	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1036	-	5.9.0	Rel-5	Correction to Package 2 IR_U test case 12.8	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	1037	-	5.9.0	Rel-5	Correction to Package 2 testcase 8.4.1.7	approved	F	5.10.0	TEI	T1
TP-040291	34.123-1	1039	-	5.9.0	Rel-5	Modification of SIB5 content for package 4 testcase 14.4.2a.1 and Addition of Specific Message Content for Radio Bearer Setup message in section 14.4.2a.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1111	-	5.9.0	Rel-5	Correction to RRC P3 TC 8.4.1.37	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1112	-	5.9.0	Rel-5	Correction to RRC P2 TC 8.3.1.31 for the timer value before step 5.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1113	-	5.9.0	Rel-5	Correction to approved GCF P4 test cases 8.1.7.1c	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1114	-	5.9.0	Rel-5	Correction to approved package 4 NAS Test case tc_12_6_1_3_2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1115	-	5.9.0	Rel-5	Corrections to RRC Package 1 TC 8.4.1.1.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1116	-	5.9.0	Rel-5	Correction to the RRC default message handler on Dc SAP for Deactivate PDP Context Request message in RRC ATS.	approved	F	5.10.0	TEI	T1

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TP-040242	34.123-1	1117	-	5.9.0	Rel-5	Correction to TTCN for MultiRAB test cases.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1118	-	5.9.0	Rel-5	Correction to approved package 4 NAS Test case tc_12_6_1_3_1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1119	-	5.9.0	Rel-5	Summary of regression errors in the wk45 ATS.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1120	-	5.9.0	Rel-5	Correction to RRC P4 TC 8.1.7.1b for comments in test steps.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1121	-	5.9.0	Rel-5	Correction to GCF P3 NAS test Cases 13.2.1.1, 13.2.2.1 and 13.2.2.2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1122	-	5.9.0	Rel-5	Correction to GCF P4 NAS test Case 12.2.1.6.2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1123	-	5.9.0	Rel-5	Correction to RAB test case 14.4.2.3 and 14.4.2a.3.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1124	-	5.9.0	Rel-5	Correction to RRC Package 2 TC 8.3.1.3.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1125	-	5.9.0	Rel-5	Correction to AT Command used for GCF P1 NAS test Case 10.1.2.5.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1126	-	5.9.0	Rel-5	Correction in TTCN for execution of Opmode C UE.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1127	-	5.9.0	Rel-5	Correction to RRC Package 4 TC 8.1.2.3	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1128	-	5.9.0	Rel-5	Correction to RRC test cases 8.1.2.1 and 8.1.2.7	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1130	-	5.9.0	Rel-5	Correction to RRC test cases 8.1.3.1, 8.1.3.3, 8.1.3.4 and 8.1.3.5	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1131	-	5.9.0	Rel-5	Correction to RRC Package 1 TC 8.1.2.9	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1132	-	5.9.0	Rel-5	Correction to Package 2 RRC test case 8.3.1.4	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1133	-	5.9.0	Rel-5	Correction to Package 3 RRC inter-RAT measurement test cases 8.4.1.31 + 8.4.1.33 + 8.4.1.34 + 8.4.1.35 + 8.4.1.36 + 8.4.1.40	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1134	-	5.9.0	Rel-5	Correction to approved NAS test case 12.9.4	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1135	-	5.9.0	Rel-5	Correction to Approved RRC Package 2 TC 8.3.7.2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1136	-	5.9.0	Rel-5	Correction to Approved RRC Package 3 TC 8.2.4.1a	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1137	-	5.9.0	Rel-5	Correction to Approved RRC Package 3 TC 8.4.1.31	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1138	-	5.9.0	Rel-5	Correction to GCF P2 test cases 6.2.1.1, 6.2.1.6 and 6.2.1.9 to IR_U ATS v3.7.0 to check the displayed PLMN.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1139	-	5.9.0	Rel-5	Correction to Package 2 RAB test case 14.4.2.2 and 14.4.2.3.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1140	-	5.9.0	Rel-5	Correction to GCF P4 NAS test Case 12.4.1.2 (Revision of T1-040673)	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1141	-	5.9.0	Rel-5	Correction of GCF P1 test case 7.2.3.23	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1142	-	5.9.0	Rel-5	Global correction of Structured Type Constraints containing wildcards violating coding convention E.3.7	approved	F	5.10.0	TEI	T1

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TP-040242	34.123-1	1143	-	5.9.0	Rel-5	Correction to GCF P4 RRC test Case 8.3.1.15	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1144	-	5.9.0	Rel-5	Extension to Guard Timer for Approved NAS GMM Test Cases	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1145	-	5.9.0	Rel-5	Correction to RRC TC 8.1.12 for handling correct number of RRC Connection Release Complete message based on the value of N308	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1146	-	5.9.0	Rel-5	Corrections Required for the wk42 ATS	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1147	-	5.9.0	Rel-5	Corrections to release of SS resources for a cell during test case execution	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1148	-	5.9.0	Rel-5	Correction to approved RRC Package 1 8.3.1.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1149	-	5.9.0	Rel-5	Correction to approved RRC Package 4 TC 8.2.6.11	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1150	-	5.9.0	Rel-5	Regression test error corrections to TTCN deliveries of wk40	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1151	-	5.9.0	Rel-5	Correction of GCF P1 test case 7.2.3.14	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1152	-	5.9.0	Rel-5	Correction of GCF P1 test case 11.1.1.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1153	-	5.9.0	Rel-5	Correction of GCF P3 SMS test cases 16.1.1, 16.1.2, 16.1.9.1, 16.1.9.2, 16.1.10, 16.2.1, 16.2.2, 16.2.10	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1154	-	5.9.0	Rel-5	Corrections Required for the wk40 ATS	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1155	-	5.9.0	Rel-5	Correction to Approved RRC Package 2 TC 8.2.4.3	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1156	-	5.9.0	Rel-5	Correction to Package 3 SMS test cases.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1157	-	5.9.0	Rel-5	Correction to approved package 4 NAS Test case tc_12_4_1_4d2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1158	-	5.9.0	Rel-5	Correction to Package 4 NAS test case 12.2.1.2 for increasing the guard timer.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1159	-	5.9.0	Rel-5	Regression error corrections to TTCN deliveries of wk34 and wk37	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1160	-	5.9.0	Rel-5	Summary of regression errors in the wk37 ATS.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1161	-	5.9.0	Rel-5	Correction to RRC Package 1 test cases 8.1.7.1 and 8.1.7.2 (Revision of T1s040532)	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1162	-	5.9.0	Rel-5	Corrections Required for the wk37 ATS (Revision of T1s040606)	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1163	-	5.9.0	Rel-5	Correction to Package 2 RRC test case 8.3.2.11 to increase the timer while waiting for URA Update.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1164	-	5.9.0	Rel-5	Correction to Approved RRC Package 1 TC 8.1.2.2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1165	-	5.9.0	Rel-5	Radiolink removal and subsequent addition to align the TTCN with 34.123-1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1166	-	5.9.0	Rel-5	TTCN Correction to Test Case 14.2.12 and 14.2.16	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1167	-	5.9.0	Rel-5	Correction to Approved RRC Package 2 TC 8.4.1.2	approved	F	5.10.0	TEI	T1

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TP-040242	34.123-1	1168	-	5.9.0	Rel-5	Corrections to GCF package 2 IR_U test case 6.2.1.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1169	-	5.9.0	Rel-5	Corrections to GCF package 2 IR_U test case 6.2.1.6	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1170	-	5.9.0	Rel-5	Correction of GCF package 2 IR_U test case 8.3.7.1.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1171	-	5.9.0	Rel-5	Correction of GCF package 2 IR_U test case 8.3.7.2.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1172	-	5.9.0	Rel-5	Correction of GCF package 2 IR_U test case 8.3.7.3.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1173	-	5.9.0	Rel-5	Correction of GCF package 2 IR_U test case 8.3.7.4.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1174	-	5.9.0	Rel-5	Correction of GCF package 2 IR_U test case 8.4.1.40.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1175	-	5.9.0	Rel-5	TTCN changes to approved package 1 RRC testcase 8.4.1.3	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1176	-	5.9.0	Rel-5	Correction to MultiRAB test cases 14.2.38a, 14.2.38b and 14.2.38e	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1177	-	5.9.0	Rel-5	Correction to Approved RRC Package 2 TC 8.4.1.2	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1178	-	5.9.0	Rel-5	Addition of verdicts in RRC default message handler on Dc SAP for Deactivate PDP Context Request message in RRC ATS.(Revision of T1s040512)	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1179	-	5.9.0	Rel-5	Regression error corrections to TTCN deliveries of wk26 and wk31	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1180	-	5.9.0	Rel-5	Modification to MAC Package 2 test case 7.1.3.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1181	-	5.9.0	Rel-5	Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1)	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1182	-	5.9.0	Rel-5	Correction to Package 3 SMS test case 16.2.1.	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1183	-	5.9.0	Rel-5	Correction to GCF P1 test case 8.3.1.1	approved	F	5.10.0	TEI	T1
TP-040242	34.123-1	1184	-	5.9.0	Rel-5	Regression test error corrections to TTCN deliveries of wk42	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	949	-	5.9.0	Rel-5	Modification of SIB5 content for package 4 testcase 14.4.2a.1 and Addition of Specific Message Content for Radio Bearer Setup message in section 14.4.2a.	rejected	F		TEI	T1
TP-040235	34.123-1	950	-	5.9.0	Rel-5	Corrections to RRC Package 2 TC 8.2.4.3	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	951	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to SIBs 3 and 4 for 3 MM test cases and 9 GMM test cases for cell selection	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	952	-	5.9.0	Rel-5	Clarification in test case 11.3.3.1.	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	953	-	5.9.0	Rel-5	Corrections to low priority RRC TCs 8.2.3.21, 8.2.6.26 and 8.2.6.32	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	954	-	5.9.0	Rel-5	Correction to Low Priority NAS test case 12.2.1.5a.Proc2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	955	-	5.9.0	Rel-5	Correction to contents of SIB 11 and Cell Update in testcase 8.4.1.3	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	956	-	5.9.0	Rel-5	Revisions to Package 3 measurement test cases 8.4.1.34, 8.4.1.35 and 8.4.1.36	approved	F	5.10.0	TEI	T1

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TP-040235	34.123-1	957	-	5.9.0	Rel-5	Correction to package 4 RRC test case 8.1.12	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	958	-	5.9.0	Rel-5	Corrections to package 4 ISHO test case 8.3.7.12	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	959	-	5.9.0	Rel-5	Correction to Low Priority RRC Test case 8.4.1.6	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	960	-	5.9.0	Rel-5	Correction to P2 Inter-RAT cell reselection test cases 6.2.2.1 and 6.2.2.2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	961	-	5.9.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_1A for TDD	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	962	-	5.9.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_3A for TDD	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	963	-	5.9.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_5A for TDD	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	964	-	5.9.0	Rel-5	CR to 34.123-1Rel-5: Correction of 8_4_1_7A for TDD	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	965	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5, Modification of low priority test case 8.2.4.24 to increase test coverage	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	966	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5, New Rel-5 Measurement Test Case	approved	B	5.10.0	TEI	T1
TP-040235	34.123-1	967	-	5.9.0	Rel-5	Correction to package 2 approved RAB test case 14.2.29	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	968	-	5.9.0	Rel-5	Correction to MAC-hs test cases	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	969	-	5.9.0	Rel-5	Correction to package 1 MAC approved test case 7.1.1.2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	970	-	5.9.0	Rel-5	Correction to package 2 RRC approved test case 8.3.1.22	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	971	-	5.9.0	Rel-5	Add sections for tests on Shared Channels	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	972	-	5.9.0	Rel-5	Add generic test procedure for tests Shared Channels	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	973	-	5.9.0	Rel-5	Add to HCR TDD baseline IEs statement	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	974	-	5.9.0	Rel-5	Add HCR to TDD IEs of Measurement report in 8.4.1.29.4	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	975	-	5.9.0	Rel-5	CR to 34.123-1 R5: New test cases for A-GPS failure cases	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	976	-	5.9.0	Rel-5	CR to 34.123-1 R5: Editorial corrections to A-GPS test cases	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	977	-	5.9.0	Rel-5	CR to 34.123-1 R5: Corrections to A-GPS test cases	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	978	-	5.9.0	Rel-5	Correction to low priority RRC test case 8.3.2.5	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	979	-	5.9.0	Rel-5	Correction to package 2 GMM approved test case 12.4.2.2	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	979	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 3 RRC test case 8.3.2.13	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	980	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 3 RRC test case 8.3.1.24	approved	F	5.10.0	TEI	T1

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TP-040235	34.123-1	981	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to GCF Package 4 RRC test case 8.2.2.4	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	982	-	5.9.0	Rel-5	P-TMSI Change in RAU message (GPRS) for GCF Package 2 test case 12.8	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	983	-	5.9.0	Rel-5	Correction of package 3 radio bearer test case 14.2.58	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	984	-	5.9.0	Rel-5	Corrections to RB TCs 14.2.51a.1 (P3), 14.2.51a.2 (low-prio), 14.2.51b.1 (P3) and 14.2.51b.2 (low-prio)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	985	-	5.9.0	Rel-5	Addition of radio bearer test case for PS streaming and downlink rate up to 128 kbps	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	986	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to prose for Package 2 MM test case 9.4.5.4.1	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	987	-	5.9.0	Rel-5	Correction to Package 4 RRC test case 8.1.7.1d	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	988	-	5.9.0	Rel-5	New HSDPA radio bearer test cases	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	989	-	5.9.0	Rel-5	Correction to GMM test case 12.9.7a	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	990	-	5.9.0	Rel-5	Corrections to RRC Package 4 test cases 8.4.1.42 & 8.4.1.43 (revision of T1-0401636)	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	991	-	5.9.0	Rel-5	Correction to Package 1 measurement test case 8.4.1.5	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	992	-	5.9.0	Rel-5	Correction to prose for Package 2 MM test case 9.4.2.1	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	993	-	5.9.0	Rel-5	Corrections to MM Package 2 TC 9.4.9 revision of T1-041539.	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	994	-	5.9.0	Rel-5	Correction to TC 8.2.4.1a	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	995	-	5.9.0	Rel-5	Correction to TC 8.2.6.44	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	996	-	5.9.0	Rel-5	Correction to Package 3 Idle Mode test case 6.1.1.7	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	997	-	5.9.0	Rel-5	Correction to Package 4 test case 8.1.2.4	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	998	-	5.9.0	Rel-5	Correction to Inter-RAT idle mode Package 2 test case 6.2.1.8	approved	F	5.10.0	TEI	T1
TP-040235	34.123-1	999	-	5.9.0	Rel-5	CR to 34.123-1 Rel-5: Correction to Radio Bearer Setup used for RLC testing	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	168	-	5.9.0	Rel-5	CR to 34.123-2 REL-5, New new radio bearer test case for the support Wideband AMR speech service	rejected	F		TEI	T1
TP-040236	34.123-2	169	-	5.9.0	Rel-5	Correction to applicability statements of TCs 14.2.63.1 and 14.2.63.2	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	170	-	5.9.0	Rel-5	Update of applicability for MAC-hs test cases	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	171	-	5.9.0	Rel-5	CR to 34.123-2 R5: New test cases for A-GPS transfer to third party	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	172	-	5.9.0	Rel-5	CR to 34.123-2 R5: New test cases for A-GPS privacy options	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	173	-	5.9.0	Rel-5	Applicability Table for new MM test cases	approved	F	5.10.0	TEI	T1

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TP-040236	34.123-2	174	-	5.9.0	Rel-5	Correction to applicability conditions for HSDPA and other test cases	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	175	-	5.9.0	Rel-5	Addition of applicability for new radio bearer test case for PS streaming and downlink rate up to 128 kbps.	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	176	-	5.9.0	Rel-5	Addition of applicability for new HSDPA radio bearer test cases	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	177	-	5.9.0	Rel-5	Addition of PICS entries for frequency bands III - VI	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	178	-	5.9.0	Rel-5	Applicability table for new Inter-RAT handover test case (Revision of T1-041583)	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	179	-	5.9.0	Rel-5	Addition of new HSDPA test cases to the applicability table	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	180	-	5.9.0	Rel-5	CR to 34.123-2 R5: Removal of test case 17.2.3.5 and merge into 17.2.3.3	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	181	-	5.9.0	Rel-5	CR to 34.123-2 R5: New test cases for A-GPS failure cases	approved	F	5.10.0	TEI	T1
TP-040236	34.123-2	182	-	5.9.0	Rel-5	CR to 34.123-2 Rel-5, New HSDPA RRC test cases	approved	B	5.10.0	TEI	T1
TP-040236	34.123-2	183	-	5.9.0	Rel-5	Correction to applicability of A-GPS test case 17.2.3.3	approved	F	5.10.0	TEI	T1
TP-040291	34.123-2	184	-	5.9.0	Rel-5	CR to 34.123-2 REL-5, New new radio bearer test case for the support Wideband AMR speech service	approved	F	5.10.0	TEI	T1
TP-040241	34.123-3	1050	-	3.7.0	R99	Addition of GCF P4 test case 8.2.2.35 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1051	-	3.7.0	R99	Addition of RRC test case 8.3.1.18 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1052	-	3.7.0	R99	Addition of GCF P1 test case 8.4.1.5 to RRC ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1053	-	3.7.0	R99	Addition of GCF P4 test case 8.1.7.1d to RRC ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1054	-	3.7.0	R99	Addition of RRC Package 3 test case 6.1.1.5 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1055	-	3.7.0	R99	Addition of GCF P4 test case 12.2.1.4.1 ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1056	-	3.7.0	R99	Addition of GCF P4 test case 12.4.1.4a ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1057	-	3.7.0	R99	Addition of RRC test case 8.2.3.29 to RRC ATS V3.7.0 (Revision of T1s040688)	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1058	-	3.7.0	R99	Changes to GCF package 2 IR_U test case 12.8 required for approval	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1059	-	3.7.0	R99	Addition of P4 test case 8.3.11.1 to IR_U ATS v3.7.0, (Revision of T1s040633).	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1060	-	3.7.0	R99	Addition of GCF P4 test cases 8.1.7.1c to RRC ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1061	-	3.7.0	R99	Correction to Package 4 test case 12.9.7b ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1062	-	3.7.0	R99	Addition of GCF P4 test case 12.4.1.4b ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1063	-	3.7.0	R99	Correction to Package 4 GMM test case 12.4.1.1b (Revised CR T1s040467)	approved	B	3.8.0	TEI	T1

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TP-040241	34.123-3	1064	-	3.7.0	R99	Addition of RRC test case 8.3.1.24 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1065	-	3.7.0	R99	Addition of RRC test case 8.3.2.2 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1066	-	3.7.0	R99	Addition of NAS test case 12.4.1.4c2 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1067	-	3.7.0	R99	Addition of RRC test case 8.3.1.25 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1068	-	3.7.0	R99	Addition of NAS test case 12.6.1.3.3 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1069	-	3.7.0	R99	Addition of RRC test case 8.3.2.13 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1070	-	3.7.0	R99	Addition of P4 test case 8.1.3.4 to the RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1071	-	3.7.0	R99	Addition of P4 test case 8.3.7.13 to IR_U ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1072	-	3.7.0	R99	Addition of P4 test case 8.3.7.7 to IR_U ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1073	-	3.7.0	R99	Addition of NAS test case 12.9.8 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1074	-	3.7.0	R99	Addition of NAS test case 12.4.1.4d1 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1075	-	3.7.0	R99	Addition of P2 test case 6.2.1.9 to IR_U ATS v3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1076	-	3.7.0	R99	Addition of GCF P4 test case 12.2.1.5b ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1077	-	3.7.0	R99	Addition of GCF P4 test case 12.9.7c ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1078	-	3.7.0	R99	Addition of GCF P4 test case 8.2.2.31 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1079	-	3.7.0	R99	Addition of RAB Package 4 test case 14.4.2a.3 to RAB ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1080	-	3.7.0	R99	Addition of RAB Package 4 test case 14.4.2a.2 to RAB ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1081	-	3.7.0	R99	Addition of RAB Package 4 test case 14.4.2a.1 to RAB ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1082	-	3.7.0	R99	Addition of RRC Package 4 test case 8.2.3.11 to RRC ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1083	-	3.7.0	R99	Addition of NAS test case 12.4.3.4 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1084	-	3.7.0	R99	Addition of NAS test case 12.9.6 to NAS ATS V3.7.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1085	-	3.7.0	R99	Changes to GCF package 4 IR_U test case 8.3.7.9 required for approval.	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1086	-	3.7.0	R99	Changes to GCF package 4 IR_U test case 8.3.7.5 required for approval.	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1087	-	3.7.0	R99	Addition of GCF P4 test case 12.4.1.2 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1088	-	3.7.0	R99	Addition of GCF P4 test case 10.1.2.2.3 ATS V3.6.0	approved	B	3.8.0	TEI	T1

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TP-040241	34.123-3	1089	-	3.7.0	R99	Addition of GCF P4 test case 9.5.7.1 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1090	-	3.7.0	R99	Addition of GCF P4 test cases 8.1.12 to RRC ATS v3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1091	-	3.7.0	R99	Addition of GCF P4 test cases 8.1.7.1b to RRC ATS v3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1092	-	3.7.0	R99	Addition of GCF P4 test case 12.2.1.6.2 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1093	-	3.7.0	R99	Addition of GCF P4 test case 12.2.1.5a.1 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1094	-	3.7.0	R99	Addition of GCF P4 test case 8.3.1.15 to RRC ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1095	-	3.7.0	R99	Addition of GCF P4 test case 8.1.2.4 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1096	-	3.7.0	R99	Addition of NAS test case 12.4.1.4d2 to NAS ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1097	-	3.7.0	R99	Addition of GCF P3 test case 6.1.1.7 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1098	-	3.7.0	R99	Addition of GCF P3 test case 12.4.2.5a.1 ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1099	-	3.7.0	R99	Re-submission of GCF package 2 IR_U test case 6.2.2.1 for approval.	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1100	-	3.7.0	R99	Addition of RAB test case 14.2.51b.1 to RAB ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1101	-	3.7.0	R99	Addition of RRC test case 10.1.2.3.7 to RRC ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1102	-	3.7.0	R99	Addition of RRC test case 10.1.2.7.1 to RRC ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1103	-	3.7.0	R99	Addition of RRC test case 10.1.2.3.2 to RRC ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1104	-	3.7.0	R99	Addition of NAS Package 4 test case 12.2.1.6 Proc1 to NAS ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1105	-	3.7.0	R99	Addition of NAS Package 4 test case 12.2.1.4 proc2 to NAS ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1106	-	3.7.0	R99	Addition of NAS Package 4 test case 12.2.1.5a Proc2 to NAS ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1107	-	3.7.0	R99	Addition of NAS Package 4 test case 12.2.1.10 to NAS ATS V3.6.1	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1108	-	3.7.0	R99	Addition of RAB test case 14.2.23a2 to RAB ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1109	-	3.7.0	R99	Addition of NAS test case 12.6.1.3.1 to NAS ATS V3.6.0	approved	B	3.8.0	TEI	T1
TP-040241	34.123-3	1110	-	3.7.0	R99	Addition of GCF P2 RRC 8.4.1.7 ? Revision of T1s040381	approved	B	3.8.0	TEI	T1
TP-040238	34.123-3	1111	-	3.7.0	R99	Updating Annex A	approved	F	3.8.0	TEI	T1
TP-040237	34.123-3	460	-	3.7.0	R99	ASP change for Radio Link Modification	approved	F	3.8.0	TEI	T1
TP-040237	34.123-3	461	-	3.7.0	R99	ASP update and other corrections	approved	F	3.8.0	TEI	T1

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TP-040237	34.123-3	462	-	3.7.0	R99	ASP update and other corrections	approved	F	3.8.0	TEI	T1
SP-040823	41.101	007	-	4.12.0	Rel-4	Corrections to list of specifications	revised	F		TEI4	SP
SP-040880	41.101	007	1	4.12.0	Rel-4	Corrections to list of specifications	approved	F	4.13.0	TEI4	SP
SP-040823	41.101	008	-	5.8.0	Rel-5	Corrections to list of specifications	revised	F		TEI5	SP
SP-040880	41.101	008	1	5.8.0	Rel-5	Corrections to list of specifications	approved	F	5.9.0	TEI5	SP
SP-040823	41.101	009	-	5.8.0	Rel-6	Corrections to list of specifications	revised	F		TEI6	SP
SP-040880	41.101	009	1	5.8.0	Rel-6	Corrections to list of specifications	approved	F	6.0.0	TEI6	SP
SP-040738	42.068	006	-	7.0.0	Rel-7	Sending SMS to a Voice Group Call	approved	F	7.1.0	EGCS	S1
SP-040738	42.068	007	-	7.0.0	Rel-7	Sending a SMS to a Group	rejected	B		EGCS	S1
SP-040862	43.020	002	2	6.0.0	Rel-6	Clarifications to VGCS/VBS ciphering mechanism	approved	F	6.1.0	SECG KYV	S3
SP-040862	43.020	003	2	6.0.0	Rel-6	Clarifying the mandatory support of A5 algorithms within mobile stations	approved	C	6.1.0	SEC1	S3
NP-040515	43.068	021	1	6.2.0	Rel-6	Addition of VGCS reconfiguration procedure	approved	C	6.3.0	TEI6	N1
NP-040515	43.068	022	2	6.2.0	Rel-6	Group Call Reference handling by the MSC during VGCS call establishment	approved	F	6.3.0	TEI6	N1
NP-040515	43.068	023	-	6.2.0	Rel-6	Notification Response procedure	approved	F	6.3.0	TEI6	N1
NP-040515	43.068	024	-	6.2.0	Rel-6	Clarification on Immediate Setup procedure	approved	F	6.3.0	TEI6	N1
NP-040515	43.068	027	-	6.2.0	Rel-6	USIM based ciphering on dedicated channels	approved	B	6.3.0	TEI6	N1
NP-040515	43.069	015	1	6.0.0	Rel-6	USIM based ciphering on dedicated channels	approved	B	6.1.0	TEI6	N1
NP-040515	43.069	016	1	6.0.0	Rel-6	Broadcast call reference handling by the MSC during VBS call establishment	approved	F	6.1.0	TEI6	N1
NP-040515	43.069	017	-	6.0.0	Rel-6	Notification Response procedure	approved	F	6.1.0	TEI6	N1
NP-040515	43.069	018	-	6.0.0	Rel-6	Clarification on Immediate Setup procedure	approved	F	6.1.0	TEI6	N1
NP-040515	44.064	008	-	5.1.0	Rel-6	Improvement of the suspension duration due to a cell update	approved	F	6.0.0	TEI6	N1
TP-040268	51.011	033	-	4.12.0	Rel-4	Correction of non-specific references to SCP documents	revised	F		TEI4	T3
TP-040250	51.011	033	1	4.12.0	Rel-4	Correction of non-specific references to SCP documents	approved	F	4.13.0	TEI	T3
TP-040268	51.011	034	-	4.12.0	Rel-4	Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning	withdrawn	C		TEI4	T3
TP-040269	51.013	004	-	4.1.0	Rel-4	Correction of release references.	approved	F	4.2.0	TEI4	T3
TP-040269	51.013	005	-	5.1.0	Rel-5	Correction of release references.	approved	A	5.2.0	TEI4	T3
TP-040269	51.013	006	-	5.1.0	Rel-5	ProactiveHandler appendTLV(byte tag, byte value1, byte value2) method conformance requirement.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	007	-	5.1.0	Rel-5	Correction to ProactiveHandler appendTLV(byte tag, byte[] value, short valueOffset, short valueLength) method test	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	008	-	5.1.0	Rel-5	Correction to dstBuffer length and dstLength in ProactiveResponseHandler copyChannelData() method tests.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	009	-	5.1.0	Rel-5	Correction to updateRecord() method test in access package.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	010	-	5.1.0	Rel-5	Addition of tests on HANDLER_NOT_AVAILABLE toolkitException in EnvelopeResponseHandler class for alignment with TS 43.019.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	011	-	5.1.0	Rel-5	MEProfile getValue(short indexMSB, short indexLSB) method conformance requirement.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	012	-	5.1.0	Rel-5	Addition of tests on Proactive Command Control for alignment with TS 43.019	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	013	-	5.1.0	Rel-5	Correct in some script files wrong command qualifiers value for COMMAND DETAILS TLV and wrong source value and destination value for Device Identities TLV.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	014	-	5.1.0	Rel-5	Correction to EnvelopeHandler getTheHandler() method test procedure description.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	015	-	5.1.0	Rel-5	PRH getGeneralResult() method test: Unexpected API expectations.	approved	F	5.2.0	TEI5	T3
TP-040269	51.013	016	-	5.1.0	Rel-5	Cross references insertion.	approved	F	5.2.0	TEI5	T3
TP-040270	51.014	007	-	4.4.0	Rel-4	Correction for non 3GPP references	approved	F	4.5.0	TEI4	T3
TP-040270	51.014	008	-	4.4.0	Rel-4	Rel-4 Addition of Provide Local Information (Access technology)	approved	F	4.5.0	TEI4	T3

Work Program Key:

F/ BB/ WT	WI Level: **F=Feature** **BB=Building Block** WT=Work Task
WI ID	Work Item Unique ID number
WG	Responsible Working Group
Rel	Allocated Release
Split (up to Rel-5)	Indicates whether Work Item is marked as Splittable
Early Impl. (Rel-6 onwards)	Indicates whether Work Item is marked as a candidate for Early Implementation
WI Name	Name of Work Item
Acronym	Acronym (for WI Identification (e.g. for CRs)
Appr Level	Level of Approval for the Work Item
Start	Start date of Work Item
End	Estimated Completion date of Work Item
% comp	Estimated percentage Complete
WG Appd	Indicates if the Work Item Description has been approved at WG level
TSG Appd	Indicates if the Work Item Description has been approved at TSG level
Impacted Specs	3GPP Specifications impacted by the Work Item
Notes	General Comments and Notes
Rapporteur	Name of Rapporteur for the Work Item

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

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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd										
BB	2566	T1		N	**Creation of R99 TCs for TDD - TTCN**		TSG	03/09/2002 08:00	01/12/2004 17:00	0%	No	No			
BB	1908	T1		N	**Review all other work items for impact on new or exiting 34 series specs.**	MISTST1		02/07/2002 08:00	27/12/2002 17:00	0%	No	No	34.121,122,123,125	Can't start until most core specs are stable	
F	**1340**	**S1**	**Rel-4**	**N**	**Facsimile**	**FAX**	**TSG**	**22/02/2000 08:00**	**23/06/2000 17:00**	**100%**	**Yes**	**Yes**			
BB	1341	S2		N	**Real Time Fax**	FAX-RT		22/02/2000 08:00	23/06/2000 17:00	100%	No	No		postponed from R99 to R00, SP-000169	
WT	1808	T2		N	Terminal capabilities, AT commands			22/02/2000 08:00	23/06/2000 17:00	100%	No	No	21.904, 27.007		
WT	1343	N1		N	Signalling aspects (e.g. ICM)			22/02/2000 08:00	23/06/2000 17:00	100%	No	No			
WT	1648	N3		N	Service provision			22/02/2000 08:00	23/06/2000 17:00	100%	Yes	Yes	23.146		
WT	1345	S1		N	Review whether service/stage 1 aspects need to be aligned			14/04/2000 08:00	23/06/2000 17:00	100%	No	No			
WT	1346	S2		N	Review whether architecture/stage 2 aspects need to be aligned			14/04/2000 08:00	23/06/2000 17:00	100%	No	No			
F	**1539**	**S4**	**Rel-4**	**N**	**Transparent End-to-End PS mobile streaming application**	**PSTREAM**	**TSG**	**03/04/2000 08:00**	**21/03/2001 17:00**	**100%**	**Yes**	**Yes**	**26.233, 26.234**		
F	**1818**	**T2**	**Rel-4**	**N**	**Multimedia Messaging**	**MMS**	**TSG**	**22/02/2000 08:00**	**14/03/2001 17:00**	**87%**	**No**	**Yes**	**22.140, 23.140**		**Josef Laumen, Siemens Josef.Laumen@SAL .SIEMENS.DE**
BB	136	S1		N	**Definition of service requirements**	MMS		22/02/2000 08:00	31/05/2000 17:00	100%	No	No			
BB	1819	T2		N	**Review of definition of service requirements**		TSG	01/06/2000 08:00	14/03/2001 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
BB	1820	T2		N	**Technical Realisation**		TSG	10/04/2000 08:00	14/03/2001 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL .SIEMENS.DE

Extracted from 3GPP Work Plan: **Work Plan for Rel-4 - Version 2003 April 23rd**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1821	T2		N	Review of definition of reference Achitecture model		TSG	10/04/20 00 08:00	14/03/20 01 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL .SIEMENS.DE
WT	1822	T2		N	Fulfill Requirements of Stage 1		TSG	10/04/20 00 08:00	14/03/20 01 17:00	100%	No	Yes	22.140, 23.140	e.g. minimum set of media formats, media format conversion, personalization of MMS.	Josef Laumen, Siemens Josef.Laumen@SAL .SIEMENS.DE
WT	1823	T2		N	Definition of MMS primitives in Stage 2		TSG	10/04/20 00 08:00	14/03/20 01 17:00	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens Josef.Laumen@SAL .SIEMENS.DE
F	**1541**	**N4**	**Rel-4**	**N**	**Transcoder-Free Operation**	**TrFO**		03/01/ 2000 08:00	30/03/ 2001 17:00	80%	No	No		Lead given to CN4 from CN...	
BB	**112**	**N4**		**N**	**OoBTC solution**	**TRFO-OOBTC**	WG	03/01/2 000 08:00	30/03/2 001 17:00	100 %	Yes	No			Tosshiyuki Tamura, NEC tamurato@elsf.ncos. nec.co.jp
WT	1512	R3		N	implementation in UTRAN	TRFO-OOBTC-UTRAN	TSG	11/09/20 00 08:00	30/03/20 01 17:00	100%	Yes	Yes	25.401, 25.410, 25.413, 25.415, 23.153	moved according to NP-000575	Alexander Vesely, Siemens alexander.vesely@S IEMENS.AT
WT	896	S2		N	Impact on architecture, Principles and Terminology			03/01/20 00 08:00	20/10/20 00 17:00	100%	No	No		e.g. study cascading TrFO/TFO/TrFO	
WT	1657	N1		N	Codec Negotiation between UE and MSC		TSG	14/08/20 00 08:00	02/02/20 01 17:00	100%	No	Yes	24.008, 23.009, 23.108, (29.002)	the link to NP-000085has been deleted because refering to a R99 status sheet...	Andrew Howell / Motorola
WT	115	N4		N	Codec Negotiation inter MSC			03/07/20 00 08:00	22/12/20 00 17:00	100%	No	No		Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex + list of open issues	
WT	894	N4		N	Bearer establishment inter MSC		TSG	03/07/20 00 08:00	22/12/20 00 17:00	100%	Yes	Yes	23.153	Bearer establishment inter MSC. TS 23.153 R99 part complete. capabilities moved to annex....	
BB	**905**	**S2**		**N**	**Speech Transcoder: Location and Control at the UMTS Core Network Border**	**TRFO-STLC**	WG	10/04/2 000 08:00	29/09/2 000 17:00	100 %	Yes	No		WI description and Tdoc S2-99352...	
WT	124	NP		N	Transcoder at Edge			10/04/20 00 08:00	29/09/20 00 17:00	100%	No	No		WI description and Tdoc S2-99352...	
F	**2310**	**GP**	**Rel-4**	**N**	**GERAN improvements 1 (Gb over IP)**	**GEIMP1**	TSG	09/05/ 2000 08:00	19/03/ 2001 17:00	100 %	No	No			

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

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

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
														Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd	
BB	1323	N4		N	**Enable bearer-independent call control**		WG	03/01/2000 08:00	16/08/2001 17:00	73%	Yes	No		DAB 12.12.01 should be 100% hence closed	Heinz-Peter Keutman, Ericsson Heinz-Peter.Keutmann@eed.ericsson.se
WT	1516	S2		N	Architecture and Stage 2 description			03/01/2000 08:00	08/09/2000 17:00	100%	No	No	23.002	R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 ...	
WT	1325	N3		N	Standardisation of protocols (control & user planes) over Nb interface		TSG	02/01/2001 08:00	30/03/2001 17:00	100%	Yes	Yes			
WT	1326	N4		N	Standardisation of protocols over reference points between MSC server and Gateway MSC server		TSG	25/09/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			
WT	1616	N4		N	Standardisation of detailed stage 2 description		TSG	17/07/2000 08:00	23/03/2001 17:00	100%	Yes	No			
WT	1327	N4		N	Bearer control between MSC server and MGW		TSG	01/09/2000 08:00	16/08/2001 17:00	100%	Yes	Yes			
WT	1328	N4		N	stage 3 - protocol issues		TSG	01/09/2000 08:00	16/08/2001 17:00	100%	Yes	Yes			
WT	1329	N3		N	stage 3 - parameter value issues			02/01/2001 08:00	30/03/2001 17:00	100%	No	No			
BB	1331	S3		N	**Lawful interception**			21/08/2000 08:00	23/03/2001 17:00	100 %	No	No		Requirements capture: S3#14 (Aug 00), Feature specification: S3#15 (Sep 00), Definition of architecture. Should be included in general LI work mentioned above.	
BB	1918	MLST		N	**Start Testing**			05/03/2001 00:00	05/03/2001 00:00	0%	No	No			
BB	2052	T1		N	**Conformance Test Aspects - Enable bearer independent CS architecture**	**CSSPLIT-TEST**		05/03/2001 08:00	01/03/2002 17:00	0%	No	No	0%		
F	**1445**	**T2**	**Rel-4**	**N**	**MExE enhancements Rel-4**	**MEXE**	**TSG**	**03/01/2000 08:00**	**14/12/2001 17:00**	**100 %**	**Yes**	**Yes**			
BB	1447	S3		N	**MExE Security Analysis Activity**	**MEXE-SEC**	TSG	22/02/2000 08:00	14/12/2001 17:00	100 %	Yes	Yes		Presentation to S3 of threats and countermeasures analysis: S3#15, Feature specification: S3#16. S3#18: WID updated	Colin Blanchard, BT colin.blanchard@bt.com
WT	2045	S3		N	Stage 3	MEXE1-SEC		17/07/2000 08:00	14/12/2001 17:00	100%	No	No		Analysis undertaken by T2. No additional analysis needed for Rel-4	

Extracted from 3GPP Work Plan: **Work Plan for Rel-4 - Version 2003 April 23rd**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1448	T2		N	Terminal aspects			22/02/2000 08:00	15/12/2000 17:00	100%	No	No			
BB	**1810**	**T2**		**N**	**MExE Rel4 Improvements and Investigations**	**MEXE-ENHANC**	TSG	03/01/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1812	T2		N	3rd MExE classmark		TSG	03/01/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057	Additional features for MExE R2000	Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1814	T2		N	FS on Secure download mechanism and capabilities to support SDR concepts		TSG	07/02/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
WT	1815	T2		N	FS on Support of MP3/MPEG4 content		TSG	07/02/2000 08:00	15/12/2000 17:00	100%	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOROLA.COM
F	**1631**	**S4**	**Rel-4**	**N**	**Tandem Free aspects for 3G and between 2G and 3G systems**	**TFO**		22/02/2000 08:00	15/06/2001 17:00	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
BB	**1632**	**S4**		**N**	**Tandem Free AMR**	**TFO-AMR**		22/02/2000 08:00	15/06/2001 17:00	100%	No	No		RAN and CN to verify UMTS_AMR_2 support	
WT	130	S4		N	Specification			22/02/2000 08:00	23/03/2001 17:00	100%	No	No	28.062		
WT	907	NP		N	Impact on:			08/01/2001 08:00	15/06/2001 17:00	100%	No	No		"Implementation" changed to "Impact on:" by A. Sultan (for better wording)	
WT	131	NP		N	CN			26/03/2001 08:00	15/06/2001 17:00	100%	No	No		RAN and CN to verify UMTS_AMR_2 support	
WT	132	GP		N	GERAN			08/01/2001 08:00	06/04/2001 17:00	100%	No	No		End date Modified from June to March to have it in Rel4	
F	**2230**	**N1**	**Rel-4**	**N**	**Advanced Speech Call Items enhancements_REL-4**	**ASCI**	TSG	03/12/2000 08:00	14/03/2002 17:00	100%	No	No		Approved in TSGN_10...	Sonia Garapaty sonia.garapaty@nortelnetworks.com
BB	**2232**	**N4**		**N**	**Stage 2**		WG	03/12/2000 08:00	14/03/2002 17:00	100%	No	No	23.067, 24.067	CN4#11 30/11/02: no inputs received in CN4	Vivien Perlic, Sagem
BB	**2231**	**N1**		**N**	**Stages 2 and 3 on A interface**		WG	03/12/2000 08:00	23/03/2001 17:00	100%	No	No	44.068, 44.069, 24.008		Sonia Garapaty sonia.garapaty@nortelnetworks.com
F	**2403**	**GP**	**Rel-4**	**N**	**700 MHz spectrum support**	**700SS**		03/01/2000 08:00	20/12/2002 17:00	75%	No	No			

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2404	GP		N	GERAN support for the 700 MHz band			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2405	GP		N	Signalling support			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2406	GP		N	Physical layer definitions			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2407	GP		N	Receiver performance and RF budget			03/01/2000 08:00	19/01/2001 17:00	100%	No	No			
BB	2408	GP		N	GERAN MS Conformance test for 700 MHz band			02/04/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	2409	GP		N	MS test			02/04/2001 08:00	30/11/2001 17:00	100%	No	No			
BB	2410	GP		N	GERAN BTS Conformance test for 700 MHz band			02/04/2001 08:00	20/12/2002 17:00	100%	No	No			
WT	2411	GP		N	BTS test			02/04/2001 08:00	20/12/2002 17:00	100%	No	No			
F	2463	NP	Rel-4	N	Operator Determined Barring for Packet Oriented Services	ODB	TSG	01/06/2000 08:00	19/03/2001 17:00	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura tamurato@nsf.ncos.nec.co.jp
F	2546	S2	Rel-4	N	UMTS QoS Architecture for PS Domain	QoSPS	TSG	03/01/2000 08:00	27/11/2002 17:00	38%	No	No			Ina Widegren, Ericsson Ina.widegren@era.ericsson.se
BB	2548	S2		N	Architecture		TSG	05/06/2000 08:00	03/01/2001 17:00	100%	No	No	23.107		
BB	2550	S5		N	Charging and OAM&P for QoS Management	QoSPS-OAM	TSG	21/09/2001 08:00	28/06/2002 17:00	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	1681	R3		N	RAB Quality of Service (re)Negotiation over Iu	QoSPS-MAPEND-RABQoS	TSG	21/08/2000 08:00	23/03/2001 17:00	69%	Yes	Yes	25.413		A. Molander, Ericsson
WT	1991	R3		N	RAB Quality of Service Negotiation over Iu	QoSPS-MAPEND-RABQoS-Negot	TSG	21/08/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			A. Molander, Ericsson

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd														
WT	2456	R3		N	RAB Quality of Service Negotiation over Iu during relocation	QoSPS-MAPEND-RABQoS-NegotReloc	TSG	02/03/2001 08:00	23/03/2001 17:00	100%	No	No			
WT	1992	R3		N	RAB Quality of Service Re-Negotiation over Iu	QoSPS-MAPEND-RABQoS-ReNegot	TSG	25/09/2000 08:00	23/03/2001 17:00	100%	Yes	Yes			S. Irwin, Motorola
BB	**1553**	**GP**		**N**	**GERAN QoS Aspects - Handovers: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN and SRNS relocation or possibly other mechanisms**	**GERQoS**	TSG	03/01/2000 08:00	30/11/2001 17:00	73%	No	No			
WT	2306	GP		N	Handover Concept for the PS domain		TSG	03/01/2000 08:00	30/11/2001 17:00	63%	No	No			
WT	2309	GP		N	Stable RT handover report 25.936 including header removal		TSG	03/01/2000 08:00	19/01/2000 17:00	100%	No	No			
WT	2307	GP		N	Update of stage 2		TSG	03/01/2000 08:00	13/02/2001 17:00	100%	No	No			
WT	2308	G2		N	Update of relevant stage 3 specs -> RRC		TSG	03/01/2000 08:00	30/11/2001 17:00	100%	No	No			
BB	**2614**	**G4;R3**		**N**	**GERAN MS Conformance test for inter-system and intra-system Packet data real-time Handover**	**GERQoS-Mstest**	TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No		Still exist? To be clarified by GERAN4/5	
WT	2615	G4;R3		N	Handover for the PS domain		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2616	G4;R3		N	Stable RT handover report 25.936 including header removal		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2617	G4;R3		N	Update of stage 2		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
WT	2618	G4;R3		N	Update of relevant stage 3 specs		TSG	31/08/2001 08:00	27/11/2002 17:00	0%	No	No			
BB	**1685**	**R3**		**N**	**PS-domain handover for real-time services**	**QoSPS-PSdoRTS**	TSG	28/08/2000 08:00	30/03/2001 17:00	100%	Yes	Yes			A. Lansisalmi, Nokia
BB	**2554**	**R3**		**N**	**RAB QoS Renegotiation at Relocation**		TSG	03/01/2001 08:00	23/03/2001 17:00	0%	No	No	25.851, 25.946		

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1993**	**Generic**	**Rel-4**	**N**	**small Technical Enhancements and Improvements for Rel4**	**TEI4**	**TSG**	**03/01/ 2000 08:00**	**30/03/ 2001 17:00**	**100 %**	**Yes**	**Yes**		"Joker" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system	
F	**2857**	**RP**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the UTRAN**	**ETRAN**	**TSG**	**21/08/ 2000 08:00**	**23/08/ 2002 17:00**	**76%**	**No**	**No**			Francois Courau
BB	**2859**	**R3**	**Rel-4**	**N**	**QoS optimisation for AAL2 connections over Iub and Iur interfaces**	**ETRAN-QoSAAL 2**	TSG	21/08/2 000 08:00	30/03/2 001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2860**	**R3**	**Rel-4**	**N**	**Transport bearer modification procedure on Iub, Iur, and Iu**	**ETRAN-MigrMod**	TSG	02/10/2 000 08:00	30/03/2 001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2864**	**T1**		**N**	**Conformance Test Aspects of Rel-4 evolutions of the transport in UTRAN**			25/02/2 002 08:00	23/08/2 002 17:00	0%	No	No			
WT	2865	T1		N	Testing RAB support enhancements	CT-RABS?		25/02/20 02 08:00	23/08/20 02 17:00	0%	No	No	34.108, 34. 121, 34.122, 34.123 pts 1,2, 34.123 pt 3	Requires supporting companies	
F	**2866**	**N4**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the CN**	**CNTRSP**		**29/05/ 2000 08:00**	**23/03/ 2001 17:00**	**100 %**	**No**	**No**		WI formulation assigned to N4	
BB	**2867**	**N4**	**Rel-4**	**N**	**IP Transport of CN protocols (e.g., CAP, MAP)**	**SS7IP**		07/12/2 000 08:00	23/03/2 001 17:00	100 %	No	No		AS: corrected to Rel4 as stated at SA#10	
WT	2868	N4		N	Stage 3			07/12/20 00 08:00	23/03/20 01 17:00	100%	No	No			
WT	2869	N2		Y	CAP		WG	07/12/20 00 08:00	23/03/20 01 17:00	100%	No	No			
WT	2870	N4		N	MAP			07/12/20 00 08:00	23/03/20 01 17:00	100%	No	No			
WT	2871	N1		N	BSSAP+	SS7IP-BSSAP+	WG	15/01/20 01 08:00	14/03/20 01 17:00	100%	No	No			
BB	**2873**	**S2**	**Rel-4**	**N**	**FS on Transport and control separation in the PS CN domain**		**TSG**	29/05/2 000 08:00	23/03/2 001 17:00	100 %	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland Juan-Antonio.Ibanez@ee d.ericsson.se
WT	2874	S2		N	Architectural impacts		WG	29/05/20 00 08:00	23/03/20 01 17:00	100%	Yes	No			

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**2875**	**RP**	**NA**	**Y**	**Rel-4 Improvements of Radio Interface**	**RInImp**	**TSG**	**10/07/ 2000 08:00**	**14/03/ 2003 17:00**	**81%**	**No**	**No**			
BB	2884	R4	Rel-4	N	UTRA repeater specification (master)	RInImp-REP	TSG	10/07/2 000 08:00	21/03/2 001 17:00	100 %	Yes	Yes			T. Kummetz, Mikom; Alf Ahlström, Allgon
BB	2885	R1	Rel-4	N	DSCH power control improvement in soft handover	RInImp-DSCHsh o	TSG	11/09/2 000 08:00	23/03/2 001 17:00	100 %	Yes	Yes			A. Toskala, Nokia
BB	2886	R4	Rel inde p	N	UMTS 1800	RInImp-UMTS18	TSG	25/09/2 000 08:00	14/12/2 001 17:00	100 %	Yes	Yes			H. Benn, Motorola
BB	2887	R4	Rel inde p	N	UMTS 1900	RInImp-UMTS19	TSG	19/03/2 001 08:00	14/12/2 001 17:00	100 %	No	No			Howard Benn, Motorola
BB	2892	R2		N	FS on High Speed downlink packet access	RInImp-HSDPA	TSG	21/08/2 000 08:00	23/03/2 001 17:00	100 %	Yes	No			A. Ghosh, Motorola
BB	2894	R2		N	FS on improved common DL channel for Cell-FACH state	RInImp-DLCFAC H	TSG	11/09/2 000 08:00	28/12/2 001 17:00	100 %	Yes	Yes		Stopped at RAN#14	J. Kwak, GBT
BB	2901	T1		N	Conformance Test Spec. Rel-4 improvements in Radio Interface				08/10/2 001 08:00	14/03/2 003 17:00	64%	No	No		
WT	2904	T1		N	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type			18/02/20 02 08:00	30/08/20 02 17:00	0%	No	No		start/finish dates set...	
WT	2905	T1		N	Testing Terminal Power saving features			18/02/20 02 08:00	30/08/20 02 17:00	0%	No	No		start/finish dates set...	
WT	2906	T1	Rel-4	N	Testing DSCH power control improvement in soft handover			18/02/20 02 08:00	30/08/20 02 17:00	0%	No	No		start/finish dates set...	
WT	2907	T1	Rel indep	N	Testing UMTS 1800		TSG	08/10/20 01 08:00	14/06/20 02 17:00	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
WT	2908	T1	Rel indep	N	Testing UMTS 1900		TSG	08/10/20 01 08:00	14/06/20 02 17:00	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
WT	2909	T1	Rel indep	N	Testing UMTS 1800 - TTCN		TSG	17/06/20 02 08:00	14/03/20 03 17:00	100%	No	No	34.123-3	finish date set	
WT	2910	T1	Rel indep	N	Testing UMTS 1900 - TTCN		TSG	17/06/20 02 08:00	14/03/20 03 17:00	100%	No	No	34.123-3	finish date set	

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd										
F	**2911**	**RP**	**NA**	**Y**	**Rel-4 RAN improvements**	**RANimp**	**TSG**	**14/08/ 2000 08:00**	**17/03/ 2004 17:00**	**14%**	**No**	**No**			
BB	**2921**	**R1**	**Rel-4**	**N**	**Node B synchronisation for TDD**	**RANimp- NBsync**	TSG	14/08/2 000 08:00	23/03/2 001 17:00	100 %	Yes	Yes			S. Oestreich, Siemens
BB	**2923**	**R2**	**Rel-4**	**N**	**RAB support enhancement for Rel-4**	**RANimp- RABSE**	TSG	21/08/2 000 08:00	23/03/2 001 17:00	100 %	No	No		29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2	M. Israelsson, A. Krishnarajah, Ericsson
BB	**2930**	**MLST**		**N**	**Start Testing**			03/12/2 001 00:00	03/12/2 001 00:00	0%	No	No		UID changed	
BB	**2931**	**T1**		**N**	**Conformance Test Aspects - Rel-4 RAN Improvements**			01/01/2 002 08:00	17/03/2 004 17:00	2%	No	No	0%		
WT	2932	T1		N	Testing Radio access bearer support enhancments			01/01/20 02 08:00	02/09/20 02 17:00	0%	No	No		duration set to 6 months (was 0)...	
WT	2933	T1	Rel-4	Y	Testing RAB support enhancements-Robust Header Compression	RABimp- RoCH	TSG	28/05/20 02 08:00	03/09/20 03 17:00	0%	No	No	34.123-1, - 2	UID changed	
WT	3513	T1	Rel-4	Y	Testing RAB support enhancements-Robust Header Compression - TTCN		TSG	28/05/20 02 08:00	17/03/20 04 17:00	0%	No	No	34.123-3	UID changed	
WT	3514	T1	Rel-4	N	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	18/09/20 02 08:00	30/09/20 03 17:00	15%	No	No	34.123-1, - 2		
WT	3515	T1	Rel-4	N	Testing of Extended Robut Header Compression - TTCN		TSG	18/09/20 02 08:00	16/12/20 03 17:00	0%	No	No	34.123-3		
WT	3640	T1	Rel-4	N	General changes to TS34.121 corresponding to release 4	RANimp- test	TSG	03/03/20 03 08:00	03/03/20 04 17:00	0%	No	No	34.108, 34.121		
F	**2934**	**N1**	**NA**	**Y**	**Rel-4 Emergency call enhancements**	**EMC1**	**WG**	**03/01/ 2000 08:00**	**28/05/ 2002 17:00**	**65%**	**Yes**	**No**			Mr Rouzbeh, Ericsson EUSFARO@am1.eri csson.se
BB	**2943**	**N1**	**Rel-4**	**N**	**For CS based calls**	**EMC1- CS**	TSG	03/01/2 000 08:00	28/05/2 002 17:00	67%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson EUSFARO@am1.eri csson.se
WT	2944	S1		N	Distinction in CS domain of emergency call types to different emergency services			01/05/20 00 08:00	23/06/20 00 17:00	100%	No	No			

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2945	N1		N	Distinction in CS domain of emergency calls to different emergency types			28/08/20 00 08:00	26/09/20 00 17:00	100%	No	No		Calls to different emergency services such as ambulance, fire brigade, police, etc. can be routed to respective different emergency centres....	
WT	2946	T1		N	Conformance Test Aspects - Emergency call enhancements			03/01/20 00 08:00	28/07/20 00 17:00	0%	No	No		UID changed	
WT	2947	T1		N	Testing CS based emergency calls		TSG	25/02/20 02 08:00	28/05/20 02 17:00	100%	No	No	34.123-1		
WT	2948	T1		N	Testing CS based emergency calls - TTCN		TSG	22/11/20 01 08:00	28/05/20 02 17:00	100%	No	No	34.123-3		
F	**2987**	**T2**	**NA**	**Y**	**Rel-4 Terminal interfaces**	**TI**		03/01/ 2000 08:00	15/03/ 2001 17:00	68%	**No**	**No**			
BB	**2988**	**T2**	**Rel-4**	**N**	**AT commands enhancements**	**TI-ATC**		03/01/2 000 08:00	14/03/2 001 17:00	100 %	No	No	27.007		
WT	2989	T2		N	Specification of AT commands for new services			03/01/20 00 08:00	14/03/20 01 17:00	100%	No	No	27.007	goal not completely achieved because of missing input	
BB	**2991**	**T2**	**NA**	**Y**	**Wide Area Data Synchronisation**	**TI-WADS**		03/01/2 000 08:00	14/03/2 001 17:00	56%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
WT	2992	T2	Rel-4	N	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		03/01/20 00 08:00	14/03/20 01 17:00	100%	No	No	27.903, 27.103		
BB	**2993**	**T2**	**Rel-4**	**N**	**Terminal local model**	**TLM**	TSG	16/05/2 000 08:00	15/03/2 001 17:00	100 %	No	Yes	23.227		Olga Tomé, Ericsson Olga.Tome@ECS.E RICSSON.SE
F	**2995**	**S2**	**NA**	**Y**	**Rel-4 Location Services enhancements**	**LCS1**	TSG	03/04/ 2000 08:00	28/12/ 2001 17:00	75%	**No**	**No**			Jan Kall, Nokia
BB	**2996**	**T2**	**Rel-4**	**N**	**CBS interactions**	**LCS1-CBS**		03/04/2 000 08:00	28/12/2 001 17:00	100 %	No	No	23.041		
BB	**2997**	**S2**	**Rel-4**	**N**	**LCS support in the CS domain**	**LCS1-CS**		15/05/2 000 08:00	19/01/2 001 17:00	100 %	No	No		Only MAP impact foreseen so far. To be further split if needed.	
BB	**2998**	**S2**	**Rel-4**	**N**	**LCS support in the PS domain**	**LCS1-PS**		01/05/2 000 08:00	28/12/2 001 17:00	75%	No	No			
WT	2999	S1		N	Stage 1			03/07/20 00 08:00	25/08/20 00 17:00	100%	No	No	22.071	To be also considered: External LCS client identity, and Privacy options when PDP-context and when no PDP-context is established	Randolph Wohlert, Pacific Bell Wireless rwohlert@tri.sbc.co m

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3000	S2		N	Stage 2			01/05/2000 08:00	19/01/2001 17:00	100%	No	No	23.271	AS: 23.271 completed at SA#10	
WT	3001	N1		N	Stage 3			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			
WT	3002	N1		N	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			Janne Muhonen / Nokia
WT	3003	N4		N	MAP impacts of LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No		Missing work task	
WT	3004	N4		N	GTP signaling for LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No			
BB	**3005**	**RP**	**NA**	**N**	**UE positioning Rel-4**	**LCS1-UEpos**	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	Yes	Yes		UID changed	
WT	3006	R3	Rel-4	N	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-Iublur	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	No	Yes		27/11: WG corrected; rapporteur corrected	Yun-Chao Hu, Ericsson
WT	3007	R2	Rel-4	N	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	28/08/2000 08:00	23/03/2001 17:00	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
F	**3045**	**T3**	**NA**	**N**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**UICC1**		24/07/2000 08:00	23/03/2001 17:00	100%	No	No			
BB	**3046**	**T3**	**Rel-4**	**N**	**Common PCN Handset Specification (CPHS)**	**UICC1-CPHS**	TSG	24/07/2000 08:00	23/03/2001 17:00	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
F	**3047**	**T3**	**NA**	**N**	**Rel-4 (U)SIM toolkit enhancements**	**USAT1**		05/06/2000 08:00	23/03/2001 17:00	100%	No	No			
BB	**3048**	**T3**	**Rel-4**	**N**	**USAT local link**	**USAT1-LocLnk**	TSG	05/06/2000 08:00	23/03/2001 17:00	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
F	**3057**	**S3**	**NA**	**N**	**Rel-4 Security enhancements**	**SEC1**	TSG	03/01/2000 08:00	15/03/2002 17:00	86%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**3058**	**S3**	**Rel-4**	**N**	**Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)**	**SEC1-CSALGO 1**	TSG	03/01/2000 08:00	15/01/2001 17:00	100%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	? ?
BB	**3059**	**S3**	**Rel-4**	**N**	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	**SEC1-PSALGO 1**	TSG	22/02/2000 08:00	22/12/2000 17:00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	? ?

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3060	S3		N	Main aspects			22/02/2000 08:00	24/11/2000 17:00	100%	No	No		Complete TSG#09 (09/2000). S3#17: Proposed for deletion. TO BE DELETED	
WT	3061	N4		N	Impact on GTP		WG	20/03/2000 08:00	22/12/2000 17:00	100%	Yes	No			
WT	3062	N1		N	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP		19/06/2000 08:00	22/12/2000 17:00	100%	No	No			Duncan Mills / Vodafone Airtouch
BB	**3063**	**S3**	**Rel-4**	**Y**	**MAP application layer security**	**SEC1-MAPAL**	**TSG**	**03/01/2000 08:00**	**15/03/2002 17:00**	**76%**	**No**	**Yes**		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing. Completed Auto Key Management -> Rel-6	
WT	3064	S3		N	Main aspects		WG	21/02/2000 08:00	29/03/2001 17:00	100%	Yes	No		UID changed	
WT	3065	N4		N	Other stage 3 aspects		TSG	22/02/2000 08:00	24/11/2000 17:00	100%	Yes	Yes		UID changed	
WT	3066	S3	Rel-5	N	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	03/01/2000 08:00	15/03/2002 17:00	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom Sebastien.nguyenngoc@rd.francetelecom.com
F	**3078**	**S5**	**NA**	**N**	**Rel-4 Charging and OAM&P**	**OAM**	**TSG**	**01/12/2000 08:00**	**05/10/2001 17:00**	**100%**	**No**	**No**	**32-series**	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**3438**	**S5**	**Rel-4**	**N**	**Rel4 Principles, high level Requirements and Architecture**	**OAM-AR/PR**	**TSG**	**01/12/2000 08:00**	**21/06/2001 17:00**	**100%**	**Yes**	**Yes**	**32.101, 32.102**		Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB) Michael.Truss@MOTOROLA.COM; Tommy.R.Berggren@TELIA.SE
BB	**3439**	**S5**	**Rel-4**	**N**	**Rel4 Performance Management**		**TSG**	**01/12/2000 08:00**	**28/09/2001 17:00**	**100%**	**No**	**No**	**32.4xy, 52.402**	Changed Rapp email	Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
BB	**3440**	**S5**	**Rel-4**	**N**	**Fault Management**		**TSG**	**01/12/2000 08:00**	**05/10/2001 17:00**	**100%**	**Yes**	**Yes**	**32.111-1/4**		Patrick JURÉ (Lucent Technologies) pjure@LUCENT.COM

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
														Extracted from 3GPP Work Plan: **Work Plan for Rel-4 - Version 2003 April 23rd**	
BB	3441	S5	Rel-4	N	**Configuration Management**	**OAM-CM**	TSG	01/12/2000 08:00	21/06/2001 17:00	100%	No	No	32.106-1/8		Thomas TOVINGER (Ericsson) Thomas.Tovinger@emw.ericsson.se
BB	3442	S5	Rel-4	N	**Rel4 Charging Management**	**OAM-CH**	TSG	01/12/2000 08:00	28/09/2001 17:00	100%	No	No	32.2xy (Charging)	Changed Rapp email	Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
BB	3443	S5	Rel-4	N	**UTRAN Operations and Maintenance procedures**	**UOAM**	TSG	01/12/2000 08:00	21/06/2001 17:00	100%	Yes	No	32.800		Bert Boden (Mannesmann Mobilfunk) bert.boden@d2mannesmann.de
F	**1517**	**S2**	**Rel Indep**	**N**	**Global Text Telephony**	**GTT**	**TSG**	**28/06/2000 08:00**	**29/08/2002 17:00**	**84%**	**No**	**No**		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson gunnar.hellstrom@omnitor.se
BB	1634	S1		N	**Stage 1**		TSG	28/06/2000 08:00	16/03/2001 17:00	100%	No	No	22.976, 22.226		
BB	1519	S2		N	**Stage 2**		TSG	11/09/2000 08:00	22/06/2001 17:00	100%	No	No	23.226		
BB	2234	S4		N	**Specification of Cellular Text telephone Modem**	**GTT-CTM**		11/09/2000 08:00	19/03/2001 17:00	100%	No	No			
WT	2238	S4		N	General description and C-code			11/09/2000 08:00	11/12/2000 17:00	100%	No	No	26.226, 26.230		
WT	2237	S4		N	Minimum Performance requirements			11/09/2000 08:00	19/03/2001 17:00	100%	No	No	26.231		
BB	1915	MLST		N	**Start Testing**			18/02/2002 00:00	18/02/2002 00:00	0%	No	No			
BB	1852	T1		N	**Conformance Test Aspects - Global Text telephony**			01/03/2002 08:00	29/08/2002 17:00	0%	No	No	34.125	Bearer services, new spec document?...	

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

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
F	625	R3	Rel-5	N	IP transport in the UTRAN	ETRAN-IPtrans	TSG	17/07/2000 08:00	29/03/2002 17:00	100%	Yes	Yes			Nicolas Drevon, Alcatel
F	2455	N4	Rel-5	N	FS on Usage of SUA	SS7IP		12/03/2001 08:00	21/12/2001 17:00	100%	No	No		update WID...	
F	2476	R2	Rel-5	N	High Speed Downlink Packet Access	HSDPA	TSG	02/04/2001 08:00	06/06/2003 17:00	96%	No	No			Ravi Kuchibhotla, Motorola
BB	2477	R1		N	Physical Layer	HSDPA-Phys	TSG	05/04/2001 08:00	29/03/2002 17:00	100%	No	No			Amitava Ghosh, Motorola
BB	2478	R2		N	Layer 2 and 3 aspects	HSDPA-L23	TSG	05/04/2001 08:00	29/03/2002 17:00	100%	No	No		30 November: Completion date shifted to March 2002	Ravi Kuchibhotla, Motorola
BB	2479	R3		N	Iub/Iur protocol aspects	HSDPA-Iubiur	TSG	02/04/2001 08:00	29/03/2002 17:00	100%	No	No			Mike Diesen, Motorola
BB	2480	R4		N	RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	HSDPA-RF	TSG	09/04/2001 08:00	06/06/2003 17:00	90%	No	No			Howard Benn, Motorola
F	3246	RP	NA	Y	Rel-5 Improvements of Radio Interface	RInImp	TSG	14/08/2000 08:00	30/08/2002 17:00	89%	No	No			
BB	3248	R4	Rel-5	N	Base station classification	RInImp-BSClass	TSG	14/08/2000 08:00	14/06/2002 17:00	100%	Yes	Yes			A. Toskala, Nokia
WT	3250	R4		N	TDD Base station classification	RInImp-BSClass-TDD	TSG	14/08/2000 08:00	08/03/2002 17:00	100%	Yes	Yes			A. Toskala, Nokia
WT	3251	R4		N	Base Station Classification for 1.28 Mcps TDD option	RInImp-BSClass-LCRTDD	TSG	15/06/2001 08:00	14/06/2002 17:00	100%	No	No			Meik Kottkamp, Siemens

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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
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	03/01/2 000 08:00	14/06/2 002 17:00	88%	No	No			Liz Daniel, Lucent
WT	3295	S1		N	Stage 1			21/02/20 00 08:00	15/12/20 00 17:00	100%	No	No	22.228	Issues include e.g.: Roaming requirements, Requirements on supplementary services, Interworking requirements	Mark Cataldo, Motorola 17.-21.7., S1#9, Completion of CR's against 22 series [dates taken from 22.976]
WT	3296	S2		N	Stage 2 (Architecture and Main flows)		TSG	14/04/20 00 08:00	23/03/20 01 17:00	100%	Yes	Yes	23.228	Issues include e.g.: Mobile IP, RAB selection principles, Optimized VoIP bearer mechanisms, SIP multimedia protocol	Liz Daniel, Lucent R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 [WI dates need revision. To be revised by TSG#8]
WT	3297	N1		N	Impact on MM/CC/SM	IMS-CCR-IWMM		28/08/20 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 N1	Keith Drage, Lucent drage@lucent.com

	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**
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	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	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	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			
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.	

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
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 Wohlert, SBC Technology Resources, Inc. rwohlert@tri.sbc.com
BB	**3322**	**S3**	**Rel-5**	**N**	**Access Security for IMS**	**IMS-ASEC**	TSG	08/10/2 001 08:00	28/06/2 002 17:00	100 %	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist. Approved SA#15	Krister Boman, Ericsson krister.boman@emw.ericsson.se
WT	3324	T3		N	IMS impacts on UICC (ISIM application)			08/10/20 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.	
BB	**3326**	**S3**	**Rel-5**	**N**	**Security Aspects of Requirement for Network Configuration Independence**	**SEC1-NCI**	TSG	02/07/2 001 08:00	28/12/2 001 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	04/09/2 000 08:00	29/03/2 002 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	25/12/2 000 08:00	12/06/2 002 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	26/07/2 000 08:00	27/09/2 002 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	26/07/20 00 08:00	14/03/20 02 17:00	100%	Yes	Yes	26.235, 26.236		
WT	3334	S4	Rel-5	N	Transport protocols	IMS-CODEC		12/03/20 02 08:00	12/03/20 02 17:00	100%	No	No	26.236		P. Ojala, Nokia

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
BB	3356	N5	Rel-5	Y	**Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)**	IMS-ONOSA	TSG	21/09/2 001 08:00	07/06/2 002 17:00	100%	Yes	Yes	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@e ln.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			
BB	3364	S5	Rel-5	N	**Charging**	OAM-CH	TSG	06/08/2 001 08:00	12/09/2 002 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			06/08/20 01 08:00	16/11/20 01 17:00	100%	No	No			
WT	3366	S5	Rel-5	N	Charging management for IMS (off-line & on-line)	OAM-CH	TSG	19/11/20 01 08:00	12/09/20 02 17:00	100%	No	No			
BB	3367	NP	Rel-5	N	**Other IETF depencies**			24/11/2 000 08:00	07/06/2 002 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			24/11/20 00 08:00	07/06/20 02 17:00	90%	No	No			
WT	3369	NP		N	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4			24/11/20 00 08:00	07/06/20 02 17:00	50%	No	No			
BB	3370	MLST	Rel-5	N	**Start Testing**			18/03/2 002 00:00	18/03/2 002 00:00	0%	No	No			
BB	3371	T1		N	**Conformance Test Aspects - Provisioning of IMS**	IMS-TEST		18/03/2 002 08:00	27/12/2 002 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	18/09/2 002 08:00	30/09/2 003 17:00	0%	No	No	34.108, 34.123		Dan Fox, Anritsu dan.fox@eu.anritsu. com

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	3517	T1	Rel-5	N	**Testing of support for IMS - TTCN**		TSG	18/09/2002 08:00	03/03/2004 17:00	0%	No	No	34.108, 34.123		Dan Fox, Anritsu dan.fox@eu.anritsu.com
F	2580	S4	Rel-5	N	**Extended Transparent End-to-End PS Streaming Service**	**PSS-E**	TSG	03/01/2002 08:00	17/03/2003 17:00	75%	No	No	26.233, 26.234		O. Franceschi, Ericsson olle.franceschi@nrj.ericsson.se
BB	2581	S1		N	**Stage 1**		TSG	18/11/2002 08:00	17/03/2003 17:00	74%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc stephen.wolak@vodafone.com
WT	3564	S1		N	Interaction with other services		TSG	18/11/2002 08:00	17/03/2003 17:00	65%	No	No	22.233	2nd resp SA4	Stephen Wolak, VODAFONE Group Plc stephen.wolak@vodafone.com
BB	2582	S4		N	**Stage 2 (version Rel5 of TS 26.234)**		TSG	03/01/2002 08:00	14/03/2002 17:00	100%	No	No	26.234	2nd resp SA2	
BB	3120	S4		N	**RTP usage model**			03/01/2002 08:00	06/12/2002 17:00	90%	No	No	26.937		
F	3372	S1	NA	Y	**Rel-5 OSA enhancements**	**OSA1**	TSG	11/07/2000 08:00	20/12/2002 17:00	92%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
BB	3373	S2		N	**General Stage 2 for Rel5**			11/09/2001 08:00	07/06/2002 17:00	33%	No	No			
BB	3374	S2	Rel-5	N	**OSA APIs for Multimedia Call Control**	OSA1-CSCF	TSG	11/07/2000 08:00	07/06/2002 17:00	100%	No	No		For Rel5 even if completed by March	
WT	3375	S1		N	Stage 1		TSG	11/07/2000 08:00	14/03/2002 17:00	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG Manfred.leitgeb@siemens.at
WT	3376	N5		N	(Multimedia) Call Control - Stages 2 and 3		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-04		
BB	3381	N5	Rel-5	N	**Generic user interaction - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-05		

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	3382	N5	Rel-5	N	**Charging - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-12		
BB	3385	N5	Rel-5	N	**Call Control Service Mapping; Multiparty Call Control SIP - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.998-04-4		
BB	3386	N5	Rel-5	N	**WSDL APIs for SOAP/HTTP - Stage 3**		TSG	11/09/2000 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		
BB	3391	S3	Rel-5	N	**OSA security**	OSA1-SEC	TSG	11/07/2000 08:00	20/12/2002 17:00	93%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT colin.blanchard@bt.com
WT	3392	S1		N	Stage 1		TSG	11/07/2000 08:00	09/11/2001 17:00	100%	No	No	22.127		Manfred Leitgeb, SIEMENS AG Manfred.leitgeb@siemens.at
WT	3393	S3		N	Stage 3		TSG	23/10/2000 08:00	14/06/2002 17:00	80%	No	No	???	??	
WT	3394	N5		N	security related SCF(s) definition		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
WT	3395	S3		N	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		TSG	11/09/2000 08:00	14/12/2000 17:00	100%	No	No	???		
WT	3654	S3		N	Security (moved from Rel-6)		TSG	14/03/2002 08:00	20/12/2002 17:00	100%	No	No		Contribution at S3#25	
BB	3397	S2	Rel-5	N	**Interactions OSA - e-commerce**	OSA1-ECOM	TSG	11/07/2000 08:00	07/06/2002 17:00	97%	No	No			
WT	3398	S1		N	Stage 1		TSG	11/07/2000 08:00	14/03/2002 17:00	95%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3399	N5		N	Stages 2 and 3		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
BB	2840	N5	Rel-5	N	**Policy Management - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-13		
BB	2841	N5	Rel-5	N	**Presence and Availability Management (PAM) - Stage 3**		TSG	11/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198-14		

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th														
BB	**3400**	**S1**	**Rel-5**	**N**	**CHECK STATUS - LCS - OSA interfaces**	**OSA1-LCSI**	TSG	11/09/2000 08:00	07/06/2002 17:00	46%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
WT	3401	S1		N	Stage 1		TSG	11/09/2000 08:00	08/12/2000 17:00	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3402	S2		N	Stage 2		TSG	11/12/2000 08:00	11/12/2000 17:00	100%	No	No	23.127	az 24/05/01: Rel4 completion 90->100%.	Christophe GOURRAUD, Ericsson Canada
WT	3403	N5		N	Stage 3		TSG	21/09/2001 08:00	07/06/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
BB	**3648**	**S1**		**N**	**Access to User Profile**	**OSA2-UP**	TSG	01/06/2001 08:00	20/12/2001 17:00	100%	No	No			
BB	**3650**	**S2**		**N**	**Retrieval of Terminal capabilities**	**OSA2-TC**	TSG	11/07/2000 08:00	13/12/2002 17:00	100%	No	No			
WT	3651	S1		N	Stage 1		TSG	11/07/2000 08:00	10/01/2001 17:00	100%	No	No	22.127		Jörg Swetina, SIEMENS AG
WT	3652	N5		N	Stages 2 and 3		TSG	21/09/2001 08:00	13/12/2002 17:00	100%	No	No	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson) Ard.Jan.Moerdijk@eln.ericsson.se
WT	3653	T2		N	Provisionning of the terminal capabilities		TSG	02/04/2001 08:00	13/12/2002 17:00	100%	No	No	23.057	According to T2 SWG1 M. Cataldo this is automatically supported by the MExE support of UAProf therefore 100% complete	
F	**1638**	**S1**	**Rel-5**	**N**	**CAMEL phase 4**	**CAMEL 4**	WG	17/04/2000 08:00	06/09/2002 17:00	88%	No	No			Keijo Palviainen, Nokia keijo.palviainen@nokia.com
BB	**1461**	**S1**		**N**	**Service requirements**		WG	17/04/2000 08:00	14/06/2002 17:00	100%	No	No			
BB	**2012**	**N2**		**N**	**Call Party Handling**	**CAMEL4 -CPH**	WG	10/07/2000 08:00	07/06/2002 17:00	100%	No	No			
BB	**2013**	**N2**		**N**	**Mid call procedure for MO and MT calls**	**CAMEL4 -MCP**	WG	17/07/2000 08:00	07/06/2002 17:00	100%	No	No			
BB	**2014**	**N2**		**N**	**Interactions with Optimal Routing**	**CAMEL4 -IOR**	WG	17/07/2000 08:00	08/03/2002 17:00	100%	No	No			

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur

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
WT	1459	S4		N	Design Constraints			03/01/2000 08:00	07/02/2000 17:00	100%	No	No			
WT	1460	S4		N	General Description			07/02/2000 08:00	17/04/2000 17:00	100%	No	No			
WT	1626	S4		N	Feasibility Study		TSG	28/04/2000 08:00	02/06/2000 17:00	100%	No	Yes	TR 26.901	S4,TD SP-000024: TR 26.901 v.4.0.0	
WT	1656	N1		N	N1 Aspects		TSG	21/09/2001 08:00	21/12/2001 17:00	100%	No	No		Some of N1 tasks: Indication of supported codecs by the MS, Bearer cap negociation, codec indication to MS......	
WT	2759	N4		N	N4 work		TSG	13/02/2002 08:00	07/06/2002 17:00	100%	No	No		CN4#11 30/11/01: No inputs to CN4 at this meeting...	
WT	67	S4		N	Codec issues			03/01/2000 08:00	12/09/2002 17:00	99%	No	No			
WT	1627	S4		N	Codec qualification		TSG	01/02/2000 08:00	30/05/2000 17:00	100%	No	Yes			
WT	74	S4		N	Codec selection tests			01/06/2000 08:00	20/10/2000 17:00	100%	No	No			
WT	891	S4		N	Codec selection			23/10/2000 08:00	27/10/2000 17:00	100%	No	No			
WT	2739	S4		Y	TFO AMR-WB	AMRWB-TFO		18/12/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	890	S4		N	Other codec issues (verif., caracterisation)			29/09/2000 08:00	07/06/2002 17:00	100%	No	No	TR 26.976	ANSI C-Code , Test Sequences, Speech Transcoding Functions, Error Concealment of lost frames, Source Controlled Bit-Rate Operation, Voice Activity Detector, Frame Structure	
WT	2740	S4		N	AMR-WB and narrrowband interworking	AMRWB-IWG		27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2741	S4		N	Interworking with fixed broadband networks			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2742	S4		N	Tones and announcements			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2743	S1		N	WB Conferencing and WB Voice Group calls (deleted)			03/01/2000 08:00	03/01/2000 17:00	0%	No	No			
WT	2744	S5	Rel-5	N	Billing, accounting and call detail record aspects			27/09/2001 08:00	12/09/2002 17:00	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
WT	1989	MLST		N	Start Testing			25/02/2002 00:00	25/02/2002 00:00	0%	No	No			
WT	1855	T1		N	Conformance tests (CRs to 34 series)			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	76	S4		N	Terminal Acoustic Characteristics			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	1628	S4		N	Definition		TSG	01/01/2000 08:00	31/01/2000 17:00	100%	No	Yes	26.131		

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
WT	1629	S4		N	Test specification		TSG	01/02/2000 08:00	12/04/2000 17:00	100%	No	Yes	26.132		
BB	**2725**	**S4**		**N**	**Floating-point ANSI-C code for the AMR-WB speech codec**	**AMRWB-FP**	TSG	25/09/2001 08:00	14/03/2002 17:00	100%	No	No	TS 26.204		J. Vainio (Nokia) janne.m.vainio@nokia.com
BB	**80**	**GP**		**N**	**Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR**	**GAMRWB**	TSG	03/01/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	3191	GP		N	Channel coding in 45.003		TSG	03/01/2000 08:00	05/04/2002 17:00	100%	No	No			
WT	2266	GP		N	Signalling for the A interface		TSG	03/01/2000 08:00	29/06/2001 17:00	100%	No	No			
WT	2267	GP		N	Signalling for Iu		TSG	03/01/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2268	GP		N	Receiver performance in TS 45.005		TSG	02/04/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	2749	GP		N	Link Adaptation in 45.009		TSG	26/03/2001 08:00	28/06/2002 17:00	100%	No	No			
BB	**2269**	**GP**		**N**	**GERAN MS conformance test for AMR-WB**		TSG	03/01/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2270	GP		N	MS test		TSG	03/01/2000 08:00	19/12/2003 17:00	0%	No	No			
BB	**2271**	**GP**		**N**	**GERAN BTS conformance test for AMR-WB**		TSG	03/01/2000 08:00	02/12/2002 17:00	100%	No	No			
WT	2272	GP		N	BTS test		TSG	03/01/2000 08:00	02/12/2002 17:00	100%	No	No			
F	**1826**	**T2**	**NA**	**Y**	**Terminal interfaces**	**TI**		14/05/2001 08:00	20/03/2002 17:00	100%	No	No			
BB	**2573**	**T2**	**Rel-5**	**N**	**Terminal local model enhancements**	**TLM5**	TSG	14/05/2001 08:00	20/03/2002 17:00	100%	No	Yes	23.227		
F	**1536**	**S2**	**Rel-5**	**N**	**Rel-5 Location Services enhancements**	**LCS1**	TSG	03/04/2000 08:00	27/06/2003 17:00	84%	No	No			Jan Kall, Nokia
BB	**1600**	**RP**	**NA**	**N**	**UE positioning**	**LCS1-UEpos**	TSG	15/01/2001 08:00	29/03/2002 17:00	97%	Yes	Yes			
WT	2474	R2	Rel-5	N	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	09/04/2001 08:00	29/03/2002 17:00	100%	No	No			Xiaohua Mei, CATT

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
WT	2125	R2	Rel-5	N	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	15/01/2001 08:00	12/10/2001 17:00	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
BB	**1171**	**S1**	**Rel-5**	**N**	**Event based and Periodic LCS**	**LCS1-EBP**		22/05/2000 00:00	07/06/2002 17:00	88%	No	No			
WT	1641	S1		N	Stage 1			22/05/2000 00:00	17/11/2000 17:00	100%	No	No	22.071	Evaluate Event based and Periodic LCS to be included in R00, corresponding Stage 1 description	Randolph Wohlert, Pacific Bell Wireless rwohlert@tri.sbc.com
WT	1538	S2		N	Stage 2 specification			06/11/2000 08:00	26/01/2001 17:00	51%	No	No			
WT	1179	N4		N	Impact on MAP			15/03/2002 08:00	07/06/2002 17:00	100%	No	No		Possible impact on UTRAN of LCS quality level request...	
BB	**2436**	**GP**	**Rel-5**	**N**	**Location Services for GERAN in A/Gb Mode**	**LCS-GERAN**	**TSG**	03/04/2000 08:00	08/02/2002 17:00	100%	No	No			
WT	2437	GP;S2; G1;G2		N	GERAN LCS Stage 2 (first release)		TSG	03/04/2000 08:00	08/02/2002 17:00	100%	No	No			
WT	2438	GP		N	Gb interface support for LCS		TSG	03/04/2000 08:00	31/08/2001 17:00	100%	No	No			
WT	2440	GP		N	L3 protocol support for LCS		TSG	03/04/2000 08:00	01/06/2001 17:00	100%	No	No			
WT	2441	GP		N	Stage 3 specifications		TSG	03/04/2000 08:00	01/06/2001 17:00	100%	No	No			
BB	**2442**	**GP**	**Rel-5**	**N**	**Location Services for GERAN in Iu Mode**		**TSG**	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2443	GP;R2; R3;S2; G1;G2		N	GERAN LCS Stage 2		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2444	GP;R2; R3;S2; G1;G2		N	Iu-ps interface support for LCS		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2445	GP;R2; R3;S2; G1;G2		N	Iu-cs interface support for LCS		TSG	03/04/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2446	GP;R2; R3;S2; G1;G2		N	Iur-g interface support for LCS		TSG	23/01/2002 13:00	19/04/2002 17:00	100%	No	No		FFS	
WT	2447	GP;R2; R3;S2; G1;G2		N	RRC protocol support for LCS		TSG	20/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	2448	GP;R2; R3;S2; G1;G2		N	Additional impacts on Broadcast of LCS data on packet channels		TSG	20/08/2001 08:00	05/12/2001 12:00	100%	No	No			

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**
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**		03/06/2 002 08:00	27/06/2 003 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**		03/06/2 002 08:00	27/06/2 003 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**			28/08/2 000 08:00	28/06/2 002 17:00	17%	No	No			
BB	**2434**	**GP**	**Rel-5**	**N**	**LCS interoperability aspects to GERAN**	**LCS-GERAN**	TSG	28/08/2 000 08:00	28/06/2 002 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	28/08/20 00 08:00	28/06/20 02 17:00	100%	No	No			
BB	**1183**	**S1**		**N**	**FS on LCS support in the IMS**			12/02/2 001 08:00	18/01/2 002 17:00	75%	No	No			
BB	**519**	**S5**	**Rel-5**	**N**	**Charging and OAM&P for LCS enhancements**	**LCS1-OAM**	TSG	21/09/2 001 08:00	28/06/2 002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voice stream.com; Michael.Truss@MO TOROLA.COM
BB	**521**	**S3**	**Rel-5**	**N**	**New security aspects of LCS (not identified)**	**LCS1-SEC**		14/04/2 000 08:00	28/12/2 001 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	14/01/2 002 08:00	15/03/2 002 17:00	100 %	No	No			

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	3193	S2		N	**CHECK STATUS - Inter-GMLC interface**			30/05/2002 08:00	30/12/2002 17:00	0%	No	No			
F	3415	S3	NA	N	**Rel-5 Security enhancements**	SEC1	TSG	21/02/2000 08:00	28/06/2002 17:00	95%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	3420	S3	Rel-5	N	**Network domain security**	SEC1-NDS	TSG	21/02/2000 08:00	28/06/2002 17:00	94%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP. TO BE DELETED OR MOVED TO HISTORY FILE	Geir M. Køien, Telenor Geir-myrdahl.koien@telenor.com
WT	3421	S3		N	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)			12/05/2000 08:00	07/06/2002 17:00	80%	No	No			
WT	3422	S3		N	Main aspects			12/05/2000 08:00	21/06/2001 17:00	100%	No	No		TO BE DELETED	
WT	3423	N4		N	Integration of GTP signalling security architecture			14/09/2001 08:00	07/06/2002 17:00	100%	No	No		Waiting for input from SA3!...	
WT	3424	S3		N	User plane protection in core network (e.g., provided by IPsec)			21/02/2000 08:00	28/06/2002 17:00	98%	No	No		TO BE DELETED	
WT	3425	S3		N	Main aspects			21/02/2000 08:00	21/06/2001 17:00	100%	No	No		??	
WT	3426	N4		N	Integration of GTP signalling security architecture			14/09/2001 08:00	28/06/2002 17:00	95%	No	No		14/02/2002 requirements are not clear/not received...	
WT	3427	S3		N	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	15/06/2000 08:00	15/03/2002 17:00	100%	No	No	TS 33.210	TS 33.210 will be presented for info at SA#14 and is scheduled for approval at SA#15. 2002/12: All IPsec RFCs are stable STD Track RFCs. WID updated SA#17	Geir M. Køien, Telenor Geir-myrdahl.koien@telenor.com
F	2243	S2	Rel-5	N	**Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	IUFLEX	TSG	02/10/2000 08:00	28/06/2002 17:00	100%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson
BB	2244	S2		N	**Overall System Architecture**		TSG	03/01/2001 08:00	21/09/2001 17:00	100%	No	No			
BB	2628	R3		N	**Stage 3: RAN node selecting CN node**		TSG	24/09/2001 08:00	22/03/2002 17:00	100%	No	No		Not identified	Brendan McWilliams, Vodafone
BB	2756	N1		N	**N1 work**		TSG	17/09/2001 08:00	28/06/2002 17:00	100%	No	No	24.008 and check 29.018		

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th															
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 IDNNS in GERAN Iu 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 IDNNS			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			
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	06/04/2 001 08:00	20/12/2 002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2322	GP		N	Definition of a new A/Ater interface Transport Layer option based on the Iu Interface Transport Layer		TSG	06/04/20 01 08:00	20/12/20 02 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2323	GP		N	Adaptation of the Layer 3 BSSMAP procedures as required		TSG	06/04/20 01 08:00	20/12/20 02 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@voice stream.com; Michael.Truss@MO TOROLA.COM**
BB	**3445**	**S5**	**Rel-5**	**N**	**Rel5 Principles, high level Requirements and Architecture**	**OAM-AR/PR**	TSG	17/09/2 001 08:00	28/06/2 002 17:00	100 %	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola) Michael.Truss@MO TOROLA.COM

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	3446	S5	Rel-5	N	**Rel5 Performance Management**	**OAM-PM**	TSG	17/09/2 001 08:00	12/09/2 002 17:00	100 %	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks) toche@NORTELNE TWORKS.COM
BB	3447	S5	Rel-5	N	**Rel5 Charging Management**	**OAM-CH**	TSG	10/09/2 001 08:00	12/09/2 002 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	21/09/2 001 08:00	12/09/2 002 17:00	100 %	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson) Thomas.Tovinger@ emw.ericsson.se
F	**2392**	**GP**	**Rel-5**	**N**	**GERAN enhancements for streaming services 1 (RLC enhancements)**			**06/11/ 2000 08:00**	**28/06/ 2002 17:00**	**100 %**	**No**	**No**			
BB	2394	GP		N	**Concept**			06/11/2 000 08:00	31/10/2 001 17:00	100 %	No	No			
BB	2395	GP		N	**RLC protocol enhancement (SDU Discard)**			06/11/2 000 08:00	28/06/2 002 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**			06/11/2 000 08:00	19/04/2 002 17:00	100 %	No	No			
BB	2399	GP		N	**Stage 2**			06/11/2 000 08:00	19/04/2 002 17:00	100 %	No	No			
BB	2400	GP		N	**Stage 3**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
BB	2401	GP		N	**RLC PDU formats**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
BB	2402	GP		N	**MAC header**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
F	**2412**	**GP;R 3**	**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

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	2413	GP;R 3		N	**Evolution of Iu ps**	GERUEV 1-IuPS		01/09/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
WT	2414	GP;R3		N	Identification of GERAN requirements on Iu ps			01/09/20 00 08:00	30/11/20 01 17:00	100%	No	No			
WT	2415	GP;R3		N	Update of specifications			03/12/20 01 08:00	28/06/20 02 17:00	100%	No	No			
F	2416	GP;R 3	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;R 3		N	**Evolution of Iu cs**	GERUEV 2-IuCS		01/09/2 000 08:00	28/06/2 002 17:00	100 %	No	No		Lucent, Ericsson, AWS, Nortel	Krishna Balachandran, Lucent
WT	2418	GP;R3		N	Identification of GERAN requirements on Iu cs			01/09/20 00 08:00	19/04/20 02 17:00	100%	No	No			
WT	2419	GP;R3		N	Update of specifications			01/09/20 00 08:00	28/06/20 02 17:00	100%	No	No			
F	2556	S2	Rel-5	N	**End to End QoS for PS Domain including IMS**	E2EQo S	TSG	28/08/ 2000 08:00	28/06/ 2002 17:00	97%	No	No			Johnson Oyama, Ericsson Johnson.oyama@er a.ericcson.se
BB	2557	S2		N	**E2E QoSConcept and Architecture**		TSG	03/01/2 001 08:00	07/09/2 001 17:00	100 %	No	No	23.207		
BB	2558	N3		N	**E2E QoS interworking**	E2EQoS-IW	WG	28/08/2 000 08:00	07/06/2 002 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	21/09/2 001 08:00	28/06/2 002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voice stream.com; Michael.Truss@MO TOROLA.COM
F	2569	T2	Rel-5	N	**Messaging enhancements Rel-5**	MESS5	TSG	15/06/ 2001 08:00	31/03/ 2003 17:00	67%	No	Yes		support of UAProf, so this in my opinion is 100% complete	

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

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

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	2796	GP		N	GERAN BTS Conformance test for 8PSK HR			10/12/2001 08:00	20/12/2002 17:00	100%	No	No			
F	2602	N3	Rel-5	N	Service Change and UDI Fallback	SCUDIF	WG	08/10/2001 08:00	07/06/2002 17:00	100%	No	No	29.007, 27.001, 24.008	[DAB - 23/05/03] - 100 % complete some issues with CAMEL	Rune Werner Wiik, Ericsson AS Rune.Werner.Wiik@ericsson.no
F	3449	T3	NA	N	Rel-5 USIM toolkit enhancements	USAT1		05/06/2000 08:00	26/09/2003 17:00	56%	No	No			
BB	3450	T3		N	Test specification for USIM toolkit security mechanims			28/05/2002 08:00	26/09/2003 17:00	0%	No	No			Sophie Viallet (Gemplus)
BB	3451	T3	Rel-5	N	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	05/06/2000 08:00	22/01/2003 17:00	64%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	Michael Meyer, G & D
WT	3452	T3		N	Stage 1		TSG	05/06/2000 08:00	16/03/2001 17:00	100%	No	No		5/10/2001: Stage one comepeted at TP-12.	
WT	3453	T3		N	Stage 2 and 3		TSG	03/01/2001 08:00	08/03/2002 17:00	100%	No	No		5/10/2001: TS 31.112 and 31.113 approved at TP-13. TS 31.114 to be presented to TP-14.	
WT	3454	T3		N	Test specification		TSG	03/09/2001 08:00	22/01/2003 17:00	12%	No	No		5/10/2001: Work started on test specification	Gérald MAUNIER (Gemplus)
BB	3410	T3	NA	Y	(U)SIM API	USAT1-API		20/03/2002 08:00	20/09/2002 17:00	100%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
WT	3411	T3		N	Java API Test specification			20/03/2002 08:00	20/09/2002 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
F	2808	Generic	Rel-5	N	small Technical Enhancements and Improvements for Rel5	TEI5	TSG	25/12/2000 08:00	22/03/2002 17:00	100%	Yes	Yes		"Joker" WI, to be used for a Rel 5 CR not related to any feature and with very limited impact on the system	
F	3523	S1	Rel-5	N	Technical Report on UE Functionality Split (Work stopped)	UESPLIT	TSG	03/01/2000 08:00	01/05/2000 17:00	0%	No	No			Sanjay Gupta, Motorola sanjay.gupta@motorola.com
F	2520	S5	NA	N	User Equipment Management	UEM	TSG	21/06/2001 08:00	28/06/2002 17:00	100%	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone) john.mudge@vf.vodafone.co.uk

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	2583	S5	Rel-5	N	**FS on User Equipment (UE) Management**	**OAM-UEM**	TSG	21/06/2001 08:00	28/06/2002 17:00	100%	No	No	32.802		John Mudge (Vodafone) john.mudge@VF.VODAFONE.CO.UK
F	3234	GP	Rel-5	N	**Flow control supporting an MS with multiple data flows with different QoS over the Gb interface**	**FlowCon**	TSG	24/06/2002 08:00	30/08/2002 17:00	100%	No	No			Ingemar Backlund, Ericsson
BB	3235	GP		N	**Update of stage 2 specifications**		TSG	24/06/2002 08:00	30/08/2002 17:00	100%	No	No			
WT	3236	S2		N	Concept document 23.060 (changes to)			28/06/2002 08:00	30/08/2002 17:00	100%	No	No			
WT	3237	GP		N	Flow Control			24/06/2002 08:00	28/06/2002 17:00	100%	No	No			
BB	3238	GP		N	**Modification of BSSGP protocol**		TSG	24/06/2002 08:00	28/06/2002 17:00	100%	No	No			Ingemar Backlund, Ericsson
WT	3239	G2		N	Stage 3 (changes to 48.018)			24/06/2002 08:00	28/06/2002 17:00	100%	No	No			
F	3161	GP	Rel-5	N	**Multiple TBF in A/Gb mode**	**MULTBF**	TSG	19/04/2002 08:00	28/11/2003 17:00	16%	No	No			Gunnar Mildh, Ericsson gunnar.mildh@era.ericsson.se
BB	3162	GP		N	**Multiple TBF in A/Gb mode**	**MULTBF-Agbmode**		19/04/2002 08:00	22/08/2003 17:00	26%	No	No		Started	
WT	3163	GP		N	Multiple TBF Concept paper			19/04/2002 08:00	22/08/2003 17:00	50%	No	No			
WT	3164	G1		N	Multiple TBF Stage 2 (43.064) CRs			19/04/2002 08:00	22/11/2002 17:00	0%	No	No			
WT	3165	G2		N	Multiple TBF Stage 3 (44.060) CRs			19/04/2002 08:00	22/11/2002 17:00	0%	No	No			
BB	3223	GP		N	**Multiple TBF in A/Gb mode – MS testing**			24/06/2002 08:00	28/11/2003 17:00	0%	No	No			Ingemar Backlund, Ericsson
WT	3224	G4		N	MS conformance tests			24/06/2002 08:00	28/11/2003 17:00	0%	No	No		Not started	
F	2345	GP	Rel-5	N	**Alignment of 3G functional split and Iu**	**GER3GAL**	TSG	08/06/2000 08:00	19/12/2003 17:00	76%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	**2346**	**GP**		**N**	**GERAN user / control plane**	**GER3GAL-GUCOPL**	TSG	07/08/2000 08:00	30/08/2002 17:00	89%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
WT	2347	GP		N	Alignment with UMTS bearer concept		TSG	07/08/2000 08:00	30/08/2002 17:00	90%	No	No			
WT	2607	GP		N	Enhanced power control		TSG	31/08/2001 08:00	31/08/2001 17:00	100%	No	No			
WT	2423	GP		N	Stage 2		TSG	07/08/2000 08:00	29/06/2001 17:00	100%	No	No			
WT	2348	GP		N	Adoption of the UTRAN PDCP		TSG	06/11/2000 08:00	21/12/2001 17:00	100%	No	No		Responsible is GERAN; RAN WG2 help may be needed.	
WT	3137	GP		N	Development of RLC / MAC		TSG	31/08/2001 08:00	30/08/2002 17:00	100%	No	No			
WT	3138	GP		N	Development of GERAN RRC		TSG	22/06/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3139	GP		N	Ciphering and integrity protection concept paper		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3140	GP		N	Multiple TBF or equivalent Concept paper		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3141	GP		N	Paging concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3142	GP		N	Dedicated Physical subchannels, includes traffic and control channels		TSG	31/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	3143	GP		N	Iu support and broadcast concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3144	GP		N	Impact of using RLC instead of LAPDm concept		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3145	GP		N	Contention resolution, mobile station identity, and access concept		TSG	31/08/2001 08:00	30/11/2001 17:00	100%	No	No			
WT	3146	GP		N	PDCP concept		TSG	31/08/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	3147	GP		N	Downlink delayed TBF release		TSG	31/08/2001 08:00	30/08/2002 17:00	100%	No	No			
WT	3148	GP		N	Add transparent RLC Concept		TSG	31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	3149	GP		N	Handover concept			31/08/2001 08:00	08/02/2002 17:00	100%	No	No			
WT	2424	GP		N	Physical layer alignment with UMTS bearer concept		TSG	06/11/2000 08:00	30/11/2001 17:00	77%	No	No			
WT	2356	GP		N	PDTCH/TCH in 45.003		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2357	GP		N	Control channels in 45.003		TSG	06/11/2000 08:00	08/06/2001 17:00	100%	No	No			
WT	2358	GP		N	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG	06/11/2000 08:00	30/11/2001 17:00	100%	No	No			

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
— **Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th**																
BB	**2359**	**GP;RP**		**N**	**Iu rg interface**	**GER3GAL-Iurg**	TSG	06/11/2000 08:00	28/06/2002 17:00	94%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
WT	2425	GP;RP		N	Inter BSS interface			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2360	GP		N	Identification of requirements			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2361	GP		N	Stage 2			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2362	GP		N	Adoption of relevant parts from Iur			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2363	GP		N	Complementation with GERAN specifics			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2364	GP		N	Stage 3			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2426	GP;RP		N	Inter BSS-RNS interface			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2365	GP;R3		N	Identification of requirements			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2366	GP;R3		N	Stage 2			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2367	GP;R3		N	Adoption of relevant parts from Iur			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2368	GP;R3		N	Complementation with GERAN specifics			30/01/2002 13:00	28/06/2002 17:00	100%	No	No			
WT	2369	GP;R3		N	Stage 3			30/01/2002 13:00	28/06/2002 17:00	100%	No	No			
BB	**2370**	**GP;R3**		**N**	**Voice over GERAN PS and CS concept**			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2371	GP;R3		N	Architecture for A, Iu cs and Iu ps			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2372	GP		N	Transcoder position/operation			06/11/2000 08:00	13/04/2001 17:00	100%	No	No			
WT	2373	GP;R3		N	Handover			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	2374	GP;R3		N	RTP payload			06/11/2000 08:00	28/06/2002 17:00	100%	No	No			
WT	3526	GP;R3		N	Codec renegotiation concept			06/11/2000 08:00	29/03/2002 17:00	100%	No	No			
WT	3527	GP		N	LA			06/11/2000 08:00	13/04/2001 17:00	100%	No	No			
BB	**2388**	**GP**		**N**	**GERAN MS Conformance test for GERAN interface evolution**			11/06/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2389	GP		N	MS test			11/06/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	

Extracted from 3GPP Work Plan: **Rel-5 Work Plan - Version 2003 July 25th**														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2390	GP		N	**GERAN BSS Conformance test for GERAN interface evolution**			08/06/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
WT	2391	GP		N	BSS test			08/06/2000 08:00	19/12/2003 17:00	0%	No	No		Not started	
F	2330	GP	Rel-5	N	**GERAN support for IMS**	**GERIMS**	TSG	01/05/2000 08:00	20/12/2002 17:00	45%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
BB	2331	GP;S2;RP		N	**GERAN Header adaptation**	**GERIMS-HEADAPT**	TSG	01/05/2000 08:00	20/12/2002 17:00	68%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia
WT	2332	GP;S2;RP		N	Definition of compression and removal modes for PDCP protocol			TSG	01/05/2000 08:00	10/11/2000 17:00	100%	No	No			
WT	2333	GP;S2;RP		N	Conceptual description in stage 2			TSG	01/05/2000 08:00	31/10/2001 17:00	100%	No	No			
WT	2334	GP;S2;RP		N	Necessary changes on stage 3 regarding header removal			TSG	06/11/2000 08:00	20/12/2002 17:00	100%	No	No			
BB	2335	GP;S2;RP		N	**GERAN Radio access bearer design for IMS**	**GERIMS-RABDES**	TSG	06/11/2000 08:00	28/06/2002 17:00	40%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2422	GP;S2;RP		N	MuM control signalling for conversational multimedia services			TSG	06/11/2000 08:00	28/06/2002 17:00	45%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2431	GP;S2;RP		N	Identification of requirements			TSG	06/11/2000 08:00	08/02/2002 17:00	100%	No	No		TERMINATED - NOT STANDARDIZED	
WT	2337	GP;S2;RP		N	Necessary modifications due to SIP			TSG	06/05/2002 08:00	28/06/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
BB	2341	GP		N	**GERAN MS Conformance test for support of IMS**	**GERIMS-MSconf**	TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2342	G4		N	MS test			TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
BB	2343	GP		N	**GERAN BTS Conformance test for support of IMS**	**GERIMS-BTSconf**	TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	Shkumbin Hamiti, Nokia
WT	2344	G3		N	BTS test			TSG	11/06/2001 08:00	20/12/2002 17:00	0%	No	No		TERMINATED - NOT STANDARDIZED	
F	3555	G4;G5	NA	N	**MS Conformance Testing of Dual Transfer Mode**	**MSCTDTM**	TSG	11/11/2002 08:00	07/02/2003 17:00	100%	No	No		Needed to complete DTM (R99)	Dave Fox, Vodafone

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3642**	**S2**	**Rel-5**	**N**	**Handling of early UEs**	**LATE_ UE**	**TSG**	**03/01/ 2000 08:00**	**27/06/ 2003 17:00**	**99%**	**No**	**No**			
BB	3643	S2		N	Feasibility Study		WG	07/10/2 002 08:00	13/12/2 002 17:00	100 %	No	No			
BB	3644	S2		N	Stage 2		WG	06/01/2 003 08:00	27/06/2 003 17:00	100 %	No	No			
BB	3645	R2	Rel-5	N	FS for the Early Mobile Handling in UTRAN	FSEarly UE	TSG	09/09/2 002 08:00	06/06/2 003 17:00	100 %	No	No			Alan Law, Vodafone Ltd
BB	3646			N	Note: Stage 3 RAN part not shown			03/01/2 000 08:00	03/01/2 000 17:00	0%	No	No			

Annex I: Current content of Release 6, extracted from the Project Plan - Version January 19 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 08/03/0 2	Fri 19/09/0 3	100%	No	No	TS25.10 1		Shimon Moshavi, Intel
BB	24004	R4	Rel-6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/0 0	Wed 04/12/0 2	100%	No	No			
WT	1476	R4	Rel-6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes	TS25.104, TS25.141		A. Toskala, Nokia
BB	24007	R4	Rel-6	No	UMTS-850	RInImp-UMTS85 0	TSG	Fri 06/12/0 2	Fri 12/12/0 3	100%	No	No	TS25.10 1, 25.104, 25.133, 25.141, 25.307, 25.331, TR25.94 2		Don Zelmer, Cingular
BB	24009	R4	Rel-6	No	DS-CDMA introduction in the 800 MHz band	RInImp-UMTS80 0	TSG	Fri 14/03/0 3	Fri 12/12/0 3	100%	No	No	TS25.10 1, 25.104, 25.133, 25.141, 25.307, 25.331		Takehiro Nakamura, NTT DoCoMo

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
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
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-FSUEMsD**	**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-RIperf**	**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-IfIsMLCR**	**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-FSUpDTrCh**	**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-FSVHCRTDD**	**TSG**	**Fri 06/09/02**	**Tue 14/09/04**	**100%**	**No**	**No**	TR25.895	**Study finished at RP#25**	**Tim Wilkinson, IPWireless**

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
BB	24011	R3	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	TSG	Fri 13/06/03	Fri 12/03/04	100%	No	No	TR25.807		Ana Burgos, Telefonica
BB	21007	R1	Rel-6	No	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	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)	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
BB	23006	R3	Rel-6	No	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 Iub/Iur Protocol Aspects	EDCH-IurIub	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)

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**
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 Boumendil (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

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
Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th															
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 SA5#37 (02/2004)	John MUDGE, Vodafone
BB	23011	R3	Rel-6	No	Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects	RANimp-NACC	TSG	Mon 09/09/02	Tue 15/06/04	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	

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
BB	32026	S2	Rel-6	No	New area event for location service triggering reports		TSG	Mon 03/06/02	Wed 15/12/04	80%	No	No			
WT	32050	S2	Rel-6	No	Stage 2			Mon 03/06/02	Fri 27/06/03	100%	No	No			
WT	14015	N4	Rel-6	No	Stage 3 for UE-CN signalling			Thu 09/10/03	Tue 31/08/04	95%	No	No		31/10/2003 work has started. Current stage 3 fullfills the requirements of stage 2.	
WT	32057	OMA	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			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	Tue 14/09/04	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	Fri 19/09/03	100%	No	No	TS25.305, 25.401, 25.450, 25.452, 25.453		Meik Kottkamp, Siemens
WT	24012	R4	Rel-6	No	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	Fri 06/06/03	Tue 14/09/04	100%	No	No	TS25.171	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	Thu 16/12/04	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	Fri 26/11/04	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	Thu 25/09/03	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

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
					Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th										
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**	**SECGKYV**	**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**	**23.228**	**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

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
														Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th	
BB	**11037**	**N1**	**Rel-6**	**No**	**IMS Conferencing**			**Mon 04/11/02**	**Wed 08/12/04**	**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 CPCP is dropped (-> LS to CN plenary)	Keith Drage, Lucent
BB	**31022**	**S1**	**Rel-6**	**No**	**IMS Messaging**	**IMSM**	**TSG**	**Thu 14/03/02**	**Thu 30/06/05**	**75%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
WT	31023	S1	Rel-6	No	TR on support of messaging in the IMS	IMSM-TR	TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	31034	S1	Rel-6	No	Stage 1 22.340	IMSM-TS	TSG	Mon 11/11/02	Wed 11/12/02	100%	No	No	22.340		Juha Kalliokulju (Nokia)
WT	31033	S1	Rel-6	No	CRs to 22.140 & 22.228	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	100%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)
WT	32700	S2	Rel-6	No	Stage 2			Mon 04/11/02	Tue 31/08/04	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**	**Wed 08/09/04**	**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**	**Wed 08/09/04**	**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**	**Wed 08/12/04**	**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			

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
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	**Mn 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 Kalliokulju (Nokia)**
BB	33012	S3	Rel-6	No	**Lawful Interception in the 3GPP Rel-6 architecture**	**SEC1-LI**	**TSG**	**Mon 09/12/02**	**Thu 18/12/03**	**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**	

** 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
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 Milinski, Siemens
BB	11032	S2	Rel-6	No	"Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""	IMSCOOP	TSG	Mon 16/09/02	Fri 12/12/03	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		

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
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 06/09/0 2**	**Fri 10/12/0 4**	**100%**	**No**	**No**	**23.140**		**Josef Laumen, Siemens**
BB	42012	OMA	Rel-6	No	**OMA dependencies**		n/a	**Fri 15/08/0 3**	**Fri 10/12/0 4**	**30%**	**No**	**No**	**OMA specs**		
BB	42013	S4	Rel-6	No	**MMS formats and codecs**	MMS6-Codec		**Thu 15/08/0 2**	**Thu 17/03/0 5**	**95%**	**No**	**No**	**26.140**		**Roberto Castagno (Nokia)**
BB	42014	T2	Rel-6	No	**Handling of private addressing schemes in MMS**		TSG	**Wed 10/12/0 3**	**Fri 10/12/0 4**	**100%**	**No**	**No**	**23.140**		**Steffen Habermann, T-Mobile**
BB	42015	T2	Rel-6	No	**Deleted - FS Multiple MMS Relay/Server Architecture**		TSG	**Fri 10/12/0 4**	**Fri 10/12/0 4**	**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 21/03/0 3**	**Thu 16/09/0 4**	**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 08/03/0 2**	**Wed 12/03/0 3**	**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 08/03/0 2**	**Fri 06/06/0 3**	**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)**

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
Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th															
F	**2499**	**S1**	**Rel-6**	**No**	**Presence Capability**	**PRESNC**	**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 Encmts had same target completion date"**	**Mark Cataldo, Motorola**
BB	2501	S1	Rel-6	No	Stage 1			Mon 19/03/01	Fri 18/07/03	100%	No	No			
BB	2502	S2	Rel-6	No	Stage 2		TSG	Wed 12/09/01	Fri 20/09/02	100%	No	No			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	PRESNC -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**	**AGbEnFS**	**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	AGbEnFS-FS	TSG	Fri 30/08/02	Fri 08/11/02	100%	No	No			

					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**
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 co-ordinatge with other TSGs (CN, SA)			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50082	GP	Rel-6	No	Standardisation effort			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50083	GP	Rel-6	No	Dependency to other features			Fri 30/08/02	Fri 08/11/02	100%	No	No			
F	**50063**	**GP**	**Rel-6**	**No**	**Flexible Layer One for GERAN**	**FLOGER**	**TSG**	**Mon 03/01/00**	**Fri 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			

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
					Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th										
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		

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
BB	**2481**	**R2**	**Rel-6**	**No**	**Introduction of MBMS in RAN**	**MBMS-RAN**	**TSG**	**Tue 01/01/0 2**	**Thu 15/09/0 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 18/06/0 2**	**Wed 08/12/0 4**	**100%**	**No**	**No**			
BB	**13015**	**N3**	**Rel-6**	**No**	**Gmb interface for MBMS (CN3 part)**			**Fri 29/08/0 3**	**Wed 08/12/0 4**	**85%**	**No**	**No**	**29.061**		
BB	**33008**	**S3**	**Rel-6**	**No**	**Security Aspects of MBMS**	**MBMS**	**TSG**	**Mon 01/07/0 2**	**Fri 18/03/0 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 30/08/0 1**	**Fri 28/01/0 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 pont-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			

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
					Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th										
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**

— **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**
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	

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**
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 scenarii 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			

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
Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th															
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 inteface	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		

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**
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-UTRANEnh	TSG	Fri 19/09/03	Wed 15/12/04	100%	No	No	TS25.401, TS25.413, TS25.331, TS25.304		Anders Dahlén, TeliaSonera
F	32016	S2	Rel-6	No	QoS Improvements	QoS1	TSG	Mon 15/07/02	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	Valtteri 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			

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
Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th															
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) from Rel-6 onwards	Task inherited by CN5 from SA2 at TSG#25. 23.127 (OSA/VHE Stage 2) to be replaced from Rel-6 onwards by a new TS 23.198 Stage 2 OSA-only in 12/04	
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		

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**
BB	60008	OMA	Rel-6	No	OMA potential overlaps with 3GPP OSA Stage 3 (Web services)		n/a	Thu 18/12/0 3	Thu 16/09/0 4	100%	No	No		TSG#25 Approved CN5 29.199 Parlay X Web services. Ongoing 3GPP/OMA co-ordination 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 17/09/0 4	Fri 17/09/0 4	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 Themsen
BB	50094	G1	Rel-6	No	Addition of frequency bands to GSM – Changes to core specs	TAPS-Specs	TSG	Fri 15/11/0 2	Fri 20/12/0 2	100%	No	No		Ready	Torben Themsen
WT	51102	G1	Rel-6	No	Changes to core specs			Fri 15/11/02	Fri 20/12/02	100%	No	No			
BB	54102	G4	Rel-6	No	Addition of frequency bands to GSM – Changes for conformance tests	TAPS-Conf		Fri 28/06/0 2	Fri 28/01/0 5	0%	No	No		Not started	Torben Themsen
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 27/06/0 3	Fri 29/08/0 3	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 03/01/0 0	Fri 29/08/0 3	100%	No	No		Started	
WT	51134	G1	Rel-6	No	Performance of NACC			Mon 03/01/00	Fri 29/08/03	100%	No	No			

					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
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**	**CODCAR**	**TSG**	**Fri 13/09/02**	**Thu 10/06/04**	**100%**	**No**	**No**	**TR 26.935**		**Pasi Ojala (Nokia)**
F	**31030**	**S1**	**Rel-6**	**No**	**Study on Privacy Capability**	**PrivCap**	**TSG**	**Mon 10/11/03**	**Wed 03/03/04**	**85%**	**No**	**No**	**TR 21.xyz**		**Liz Daniel, Lucent**
F	**35010**	**S5**		**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)**

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
Extracted from 3GPP Work Plan **Work Plan for Rel-6 - Version 2005 January 19th**														

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
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 Sehedi, 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 Kauntola (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 TEPPO (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			

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
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 Andrau-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	

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
													Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th		
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	AMRWB+	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	CEPSCM	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	SCSAGB	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

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
					Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th										
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	EDCAMEL	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	MULTBF	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	MULTBF -Agbmode	TSG	Fri 05/04/02	Fri 29/08/03	100%	No	No			Gunnar Mildh, Ericsson
WT	50602	"GP;G2"	Rel-6	No	Multiple TBF Concept paper			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50603	"GP;G2"	Rel-6	No	Multiple TBF Stage 2 (43.064) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50604	"GP;G2"	Rel-6	No	Multiple TBF Stage 3 (44.060) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			

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
Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th
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	UTDOACS	TSG	Fri 21/11/03	Fri 23/04/04	100%	No	No		Completed, except for potential LMU performance specs	Bob Gross, Rhys Robinson, TruePosition, Inc.
F	50445	GP	Rel-6	No	Addition of U-TDOA in the PS domain	UTDOAPS	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 GMSK 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

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
					Extracted from 3GPP Work Plan Work Plan for Rel-6 - Version 2005 January 19th										
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-ConfTest**	**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**	**PSintDTM**	**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**	**PSintDTM-Req**	**TSG**	**Fri 21/11/03**	**Fri 23/04/04**	**100%**	**No**	**No**		**Started**	**Toby Proctor, Siemens**
BB	50111	G2	Rel-6	No	**Performance Study of Current Procedures**	**PSintDTM-Perf**	**TSG**	**Fri 21/11/03**	**Fri 23/04/04**	**100%**	**No**	**No**		**Started**	**Toby Proctor, Siemens**
BB	50112	G2	Rel-6	No	**Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures**	**PSintDTM-Reduct**	**TSG**	**Fri 23/04/04**	**Fri 12/11/04**	**100%**	**No**	**No**			**Toby Proctor, Siemens**
BB	50113	G3	Rel-6	No	**MS Conformance testing**	**PSintDTM-ConfMS**	**TSG**	**Fri 25/06/04**	**Fri 28/01/05**	**0%**	**No**	**No**		**Under evaluation**	
BB	50114	G3	Rel-6	No	**BTS Conformance testing**	**PSintDTM-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**	**SCCAMEL**		**Mon 08/12/03**	**Tue 05/10/04**	**0%**	**No**	**No**			
F	31046	S1	Rel-6	No	**Circuit Switched Video and Voice Service Improvements**	**CS_VSS**	**TSG**	**Mon 12/01/04**	**Fri 29/10/04**	**53%**	**No**	**No**	**23.801**		**John Watson, Vodafone Group**

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**
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)"	MAPSEC	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 J: Current Release 7 Features list, extracted from the Project Plan - Version January 19 2005

Extracted from 3GPP Work Plan Work Plan for Rel-7 - 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	**0**			**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	TSG	Fri 14/03/0 3	Thu 15/12/0 5	12%	No	No	TR25.87 6,TR25.9 96		Howard Huang, Lucent
BB	21006	R1	Rel-7	No	MIMO - Physical layer	MIMO-Phys	TSG	Fri 12/09/0 3	Tue 15/03/0 5	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	MIMO - Layer 2,3 aspects	MIMO-L23	TSG	Fri 12/09/0 3	Thu 15/12/0 5	0%	No	No	TR 25.876		Howard Huang, Lucent
BB	23008	R3	Rel-7	No	MIMO - Iub/Iur Protocol Aspects	MIMO-IurIub	TSG	Fri 14/03/0 3	Thu 15/12/0 5	0%	No	No			Howard Huang, Lucent
BB	24008	R4	Rel-7	No	MIMO - RF Radio Transmission/Recepti on, System Performance Requirements and Conformance Testing	MIMO-RF	TSG	Fri 12/12/0 3	Thu 15/12/0 5	5%	No	No			Man Hung Ng, Lucent
F	**32045**	**S2**	**Rel-7**	**No**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**EMC1**	**TSG**	**Mon 14/08/ 00**	**Fri 30/09/ 05**	**39%**	**No**	**No**			**Rainer Liebhart**
WT	1314	S1	Rel-7	No	Service Requirements for IP-based emergency calls			Mon 18/09/00	Fri 25/06/04	100%	No	No	22.976		
BB	32046	S2	Rel-7	No	Stage 2 for IMS-level solution		TSG	Wed 26/02/0 3	Thu 30/06/0 5	72%	No	No	23.228, 23.060, 23.002		Rainer Liebhart, Siemenws
BB	32080	S2	Rel-7	No	Stage 2 for GPRS-level solution			Thu 14/10/0 4	Fri 30/09/0 5	10%	No	No			

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
Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 January 19th															
BB	1653	N1	Rel-7	No	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			**Mon 14/08/00**	**Fri 03/06/05**	**9%**	**Yes**	**Yes**			**Mr Atle Monrad, Ericsson**
WT	1315	N1	Rel-7	No	SIP emergency calls and packet emergency calls signalling flows			Tue 17/10/00	Fri 03/06/05	16%	No	No	TS 24.228		Mr Atle Monrad, Ericsson
WT	1646	N1	Rel-7	No	Stage 3 for emergency calls and packet emergency calls in general			Mon 14/08/00	Fri 03/06/05	2%	No	No	TS 24.229		Mr Atle Monrad, Ericsson
F	**32064**	**S2**	**Rel-7**	**No**	**Access Class Barring and Overload Protection**	**ACBOP**	**TSG**	**Mon 15/03/04**	**Thu 31/03/05**	**49%**	**No**	**No**	**23.898**		**Chris Pudney, Vodafone**
BB	32065	S2		No	TR on Stage 2		TSG	Mon 15/03/04	Thu 31/03/05	61%	No	No			
BB	50117	GP		No	Extra ACBOP information in GERAN		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	44.018		
BB	11048	N1		No	Stage 3 CN aspects of ACBOP			Wed 08/12/04	Wed 08/12/04	0%	No	No		NEW - inserted on 2/9/2004	
BB	20010	RP		No	Deleted - Potential impact on Iu interface Overload functionality			Mon 15/03/04	Mon 15/03/04	0%	No	No	25.413		
BB	20009	RP		No	Deleted - Extra ACBOP information in RAN			Mon 15/03/04	Mon 15/03/04	0%	No	No	25.331		
F	**31048**	**S1**	**Rel-7**	**No**	**USSD message delivery and transfer to USIM**		**TSG**	**Fri 05/03/04**	**Fri 04/03/05**	**74%**	**No**	**No**	**22.090**		
BB	31060	S1		No	Stage 1		TSG	Thu 18/03/04	Fri 15/10/04	80%	No	No	22.090		
BB	43008	T3		No	Alignment with requirements regarding USSD usage		TSG	Fri 05/03/04	Fri 04/03/05	70%	No	No			Christophe Dubois (Axalto)

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
Extracted from 3GPP Work Plan **Work Plan for Rel-7 - Version 2005 January 19th**															
F	**32079**	**S2**	**Rel-7**	**No**	**Location Services enhancements Rel-7**	**LCS3**		**Mon 28/06/04**	**Thu 15/06/06**	**16%**	**No**	**No**	**23.271**		
BB	31052	S1	Rel-7	No	LCS for 3GPP Interworking WLAN	LCS3-IWLAN	TSG	Mon 28/06/04	Mon 03/01/05	0%	No	No	22.9xx		Mike Loushine, (Telcordia)
WT	32077	S1	Rel-7	No	Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) Interworking with LCS			Mon 28/06/04	Mon 03/01/05	0%	No	No		DAB - Should be SA1	
BB	20030	RP	Rel-7	No	UE positioning Rel-7	LCS3-UEpos	TSG	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	TSG	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
F	**32029**	**S2**	**Rel-7**	**No**	**FS on applicability of GALILEO for LCS**			**Mon 08/07/02**	**Thu 30/06/05**	**45%**	**No**	**No**			
BB	32058	S2	Rel-7	No	TR on Stage 2			Mon 08/07/02	Thu 30/06/05	45%	No	No			
BB	50095	GP	Rel-7	No	deleted - GERAN review of the TR			Mon 25/08/03	Mon 25/08/03	0%	No	No			
F	**31049**	**S1**	**Rel-7**	**No**	**Enhancements of VGCS in public networks for communication of public authority officials**	**EGCS**	**TSG**	**Mon 28/06/04**	**Thu 03/03/05**	**99%**	**No**	**No**	**42.068, 43.068**		**Joerg Swetina (Siemens AG)**
BB	31061	S1	Rel-7	No	Stage 1	EGCS	TSG	Mon 28/06/04	Thu 16/12/04	99%	No	No	42.068, 43.068		Joerg Swetina (Siemens AG)
BB	11045	N1	Rel-7	No	Enhancements of VGCS in public networks for communication of public authority officials	EGCS	TSG	Tue 03/08/04	Thu 03/03/05	99%	No	No	43.068, 44.068, 24.008, 29.002	WI sent to NP#25 for approval	Siemens
F	**31050**	**S1**	**Rel-7**	**No**	**Behaviour of Multi system UEs**	**BMSU**	**TSG**	**Mon 28/06/04**	**Wed 16/03/05**	**35%**	**No**	**No**	**22.936**		**D Williams (QUALCOMM)**

Extracted from 3GPP Work Plan Work Plan for Rel-7 - 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	31053	S1	Rel-7	No	Selective Disabling of UE Capabilities	SDoUE	TSG	Mon 28/06/04	Wed 16/03/05	20%	No	No	22.xxx		Nigel Barnes (Motorola Ltd)
F	31054	S1	Rel-7	No	FS on IMS with real time services deployment	IRTSD	TSG	Mon 28/06/04	Thu 15/12/05	68%	No	No			
BB	31055	S1	Rel-7	No	Feasibility Study on Combining CS calls and IMS sessions	IRTSD-CS_IMS	TSG	Mon 28/06/04	Thu 15/12/05	85%	No	No	22.979, 23.899		
BB	32076	S2	Rel-7	No	IMS services using CS bearers	IRTSD-IMSCS	TSG	Mon 28/06/04	Tue 15/03/05	70%	No	No	23.899		Mark Watson (Nortel Networks)
BB	999	S1	Rel-7	No	Combinational Services	IRTSD-IMSCSs1	TSG	Mon 17/01/05	Thu 09/06/05	0%	No	No			Robert Frank, TeliaSonera
F	31059	S1	Rel-7	No	All-IP Network Feasibility Study	AIPFS	TSG	Mon 28/06/04	Wed 16/03/05	75%	No	No	22.978		Chris Sachno (NTT DoCoMo)
F	32073	S2	Rel-7	No	Enhancement of E2E QoS	QoS7	TSG	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	TSG	Tue 03/08/04	Thu 28/07/05	5%	No	No			
BB	32075	S2	Rel-7	No	Stage 2	FBI	TSG	Thu 14/10/04	Thu 28/07/05	8%	No	No			
BB	11050	N1	Rel-7	No	Protocol impact from providing IMS services via fixed broadband	FBI	TSG	Tue 03/08/04	Thu 03/03/05	0%	No	No	new TR, 24.229, 29.229, 29.163, 29.209	WI sent to NP#25 for approval	Siemens
F	32078	S2	Rel-7	No	Deleted - IMS Phase 3			Wed 08/06/05	Wed 08/06/05	100%	No	No			
BB	32005	S2	Rel-7	No	IMS Local services (CN WID needed)			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)			Mon 01/01/01	Fri 29/03/02	100%	No	No		DAB - Not yet required in SA2 as it exists in previous releases	

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
					Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 January 19th										
BB	11035	N1	Rel-7	No	Stage 3 for IMS Local services			Wed 10/11/04	Wed 08/06/05	0%	No	No			Keith Drage, Lucent
BB	14012	N4	Rel-7	No	Mp (MRFC - MRFP) interface - CN4 Part (check supporting companies)	IMS-CCR-Mp		Fri 13/12/02	Wed 01/06/05	0%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)........	
F	11052	N1	Rel-7	No	IMS Stage 3 IETF Protocol alignment			Fri 10/12/04	Fri 09/12/05	0%	No	No			
F	70121 6	RP	Rel-7	No	Deleted - Improvements of Radio Interface	RInImp	TSG	Wed 15/09/04	Wed 15/09/04	0%	No	No		This is a generic feature without particular end date	
F	20028	RP	Rel-7	No	Rel-7 Improvements of the Radio Interface	RInImp		Wed 15/09/04	Thu 15/12/05	3%	No	No			
BB	20021	R4	Rel-7	No	UMTS 2.6 GHz	RInImp-UMTS2600	TSG	Wed 15/09/04	Wed 15/06/05	15%	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

Extracted from 3GPP Work Plan **Work Plan for Rel-7 - 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
BB	20025	R4	Rel-7	No	UMTS 2.6 GHz TDD	RInImp-UMTS2600TDD	TSG	Wed 15/12/04	Thu 15/12/05	0%	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	TSG	Wed 15/12/04	Thu 15/09/05	0%	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	TSG	Wed 15/12/04	Thu 15/09/05	0%	No	No	TS25.101		Christian Bergljung (TeliaSonera)
F	**20014**	**RP**	**Rel-7**	**No**	**7.68Mcps TDD option**	**VHCRTDD**	**TSG**	**Wed 15/09/04**	**Wed 15/03/06**	**1%**	**No**	**No**		**Approved at RP#25 as RP-040365**	**Martin Beale, IPWireless**
BB	20015	R1	Rel-7	No	7.68Mcps TDD option: Stage 2	VHCRTDD-Stage2	TSG	Wed 15/09/04	Thu 15/09/05	0%	No	No	New specification	Approved at RP#25 as RP-040365	Martin Beale, IPWireless
BB	20016	R1	Rel-7	No	7.68Mcps TDD option: Physical Layer	VHCRTDD-Phys	TSG	Wed 15/09/04	Thu 15/09/05	0%	No	No	TS25.221, TS25.222, TS25.223, TS25.224,TS25.225	Approved at RP#25 as RP-040365	Martin Beale, IPWireless

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
					Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 January 19th										
BB	20017	R2	Rel-7	No	7.68Mcps TDD option: Layer 2 and layer 3 protocol aspects	VHCRTDD-L23	TSG	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	7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects	VHCRTDD-IurIub	TSG	Wed 15/09/04	Thu 15/09/05	0%	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	7.68Mcps TDD option: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	VHCRTDD-RF	TSG	Wed 15/09/04	Wed 15/03/06	5%	No	No	TS25.102, TS25.105, TS25.123, TS25.133, TS25.142	Approved at RP#25 as RP-040365	Shin Horng Wong, IPWireless
F	20023	RP	Rel-7	No	FS on Evolved UTRA and UTRAN	RANFS-Evo	TSG	Wed 15/12/04	Wed 15/06/05	0%	No	No		vice rapporteur Don Zelmar (Cingular)	Takehiro Nakamura (NTT DoCoMo)

Extracted from 3GPP Work Plan Work Plan for Rel-7 - 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	**20029**	**RP**	**Rel-7**	**No**	**Rel-7 RAN improvements**	**RANimp**	**TSG**	**Wed 15/12/04**	**Wed 14/09/05**	**30%**	**No**	**No**		**Generic feature**	
BB	20026	R1	Rel-7	No	Optimisation of channelisation code utilisation for 1.28 Mcps TDD	RANimp-RABSE-CodOptLCRTDD	TSG	Wed 15/12/04	Wed 14/09/05	30%	No	No			Nicholas Anderson (IPWireless)
F	**32081**	**S2**	**Rel-7**	**No**	**Support of SMS and MMS over generic 3GPP IP access**	**SMSIP**	**TSG**	**Thu 14/10/04**	**Mon 13/06/05**	**15%**	**No**	**No**		**DAB - pushed back to June**	
F	**32082**	**S2**	**Rel-7**	**No**	**Evolution of Policy Control and Charging**	**PCC**	**TSG**	**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**	**TSG**	**Mon 28/06/04**	**Tue 12/04/05**	**5%**	**No**	**No**			**Michel MONNERAT**
BB	50548	GP	Rel-7	No	Support for GNSS in GERAN	AGNSS-GP	TSG	Mon 28/06/04	Tue 12/04/05	10%	No	No			Richard Couty, ALCATEL SA
BB	50551	GP	Rel-7	No	Towards A-GNSS Concept	GNSS	TSG	Fri 27/08/04	Fri 08/04/05	0%	No	No		To become a BB under 31051 !	Richard Couty, ALCATEL SA
F	**50552**	**GP**	**Rel-7**	**No**	**FS of enhanced support of Video Telephony**	**VIDGER**	**TSG**	**Fri 27/08/04**	**Fri 08/04/05**	**10%**	**No**	**No**		**Feasibility Study**	**Stefan Eriksson, Ericsson**
F	**50553**	**GP**	**Rel-7**	**No**	**Generic Access to A/Gb Interface (GAAI)**	**GAAI**	**TSG**	**Fri 25/06/04**	**Fri 24/06/05**	**29%**	**No**	**No**			**Motorola**
BB	50544	GP	Rel-7	No	FS on GAAI	GAAG	TSG	Fri 25/06/04	Fri 27/08/04	100%	No	No	TR 43.901	Feasibility Study	Motorola
BB	50554	GP	Rel-7	No	GAAI – Stage 2	GAAI-Stage2	TSG	Fri 27/08/04	Fri 08/04/05	75%	No	No	TS 43.318		Jari Vikberg (KI/EAB)
BB	50555	GP	Rel-7	No	GAAI – Stage 3	GAAI-Stage3	TSG	Fri 27/08/04	Fri 08/04/05	0%	No	No	TS 44.318	Not started	
BB	50556	GP	Rel-7	No	MS Conformance Test for GAAI	GAAI-CT	TSG	Fri 27/08/04	Fri 24/06/05	0%	No	No		Not started	

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
Extracted from 3GPP Work Plan Work Plan for Rel-7 - Version 2005 January 19th
F	50557	G2	Rel-7	No	Enhancements of VGCS in public networks for communication of public authority officials	EVGCS	TSG	Fri 27/08/04	Fri 08/04/05	0%	No	No			Ken Isaacs (Siemens)
F	34030	S4	Rel-7	No	Video Codec Performance Requirements	VICPer	TSG	Mon 03/01/05	Thu 16/03/06	0%	No	No	26.234, 26.235, 26.346, 26.140		Juergen Pandel (Siemens AG)
F	13023	N3	Rel-7	No	DIAMETER on the GGSN Gi interface	DIAMGi	TSG	Fri 10/09/04	Fri 16/09/05	0%	No	No		Not started	Stefan Koppenborg (T-Mobile)
F	14017	N4	Rel-7	No	CAMEL Trunk Originated Trigger Detection Points	CamelR7	TSG	Fri 17/12/04	Mon 05/12/05	0%	No	No		Not started	David Hutton, Nortel Networks