Technical Specification Group Services and System Aspects **TSGS#22(03)0561**

Meeting #22, Hawaii, USA, 15-18 December 2003

Technical Specification Group Services and System Aspects **Draft Report**

Meeting #21, Frankfurt, Germany, 22-25 September 2003

Source: **Secretary TSG SA (M. Pope, MCC)**

Title: **Draft Report of meeting #21 - Version 0.0.6 (with revision marks)**

Status: **For Approval**

Draft Report

Contents

1 Opening of the meeting

The Hosts, Siemens, welcomed everybody to Frankfurt, Germany and provided information about the domestic arrangements for the meeting. The Chairman opened the meeting and welcomed delegates to the meeting. The Chairman outlined the issues that needed to be discussed at the meeting.

2 Approval of the Agenda

TD SP-030360: Draft Agenda for TSG SA meeting #21. The TSG SA Chairman introduced the draft agenda which was approved without change.

The chairman made the following call for IPRs, and asked ETSI members to check the latest version of ETSI's policy available on the web server:

> The attention of the members of this Technical Specification Group is 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 members take note that they are hereby invited:
>
> - to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
>
> - to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

3 Approval of the meeting report of TSG SA Meeting #20

TD SP-030513: Draft Report of TSG SA meeting #20 version 0.0.5rm. This showed changes made from the version distributed for comment and had not received any major changes. The report was then approved.

4 Items for immediate consideration

TD SP-030519: Release 6 Completion Schedule. This was introduced by O2 early in the meeting in order to allow delegates to consider it before further discussion under agenda item 8.8. O2 proposed that the timescales for the completion of Release 6 are further reviewed during this TSG meeting, taking into consideration the observations made within the contribution (target completion dates of either September or December 2004 were suggested, but **there was strong disagreement to this from 3, TIM and Vodafone and these dates were therefore not agreed**). Delegates were asked to consider the proposals of the document and to discuss it later in the meeting (see agenda item 8.8). TD SP-030519 was then noted.

TD SP-030520: Evolution and Management of 3GPP specifications beyond Release 6. This was introduced by O2 early in the meeting in order to allow delegates to consider it before further discussion under agenda item 8.9. O2 proposed that TSG SA addresses the suggested requirements for the future evolution and management of the 3GPP specifications and initiates work towards developing appropriate mechanisms to be introduced following the completion of Release 6. Delegates were asked to consider the proposals of the document and to discuss it later in the meeting (see agenda item 8.9).

TD SP-030510: LS (from TSG RAN) on the documents to be considered for the Revision 4 of Recommendation ITU-R M.1457. This was introduced by the TSG RAN Chairman and informed TSG SA of the list of documents to be provided to ITU-R. The documents considered were provided for information in TD SP-030522. The list of documents was endorsed by TSG SA for sending to ITU-R.

5 Reports from TSG SA ad-hoc meetings and workshops

TD SP-030516 Joint 3GPP-OMA discussions: Key points. This was introduced by the TSG SA Chairman, who had convened the joint 3GPP-OMA Workshop. The major conclusions were:

1. Clearly identify the end objectives of the collaboration
   It was noted that as 3GPP do not produce standards (the SDOs produce standards based on the 3GPP specifications), that the text "*Maintain 3GPP/OMA **standards** work so that each can support their own missions ... Minimise the cost of developing **standards** by cooperating*" should read "*Maintain 3GPP/OMA **specification** work so that each can support their own missions ... Minimise the cost of developing **specifications** by cooperating*".
2. Compatibility of release schedules
3. Visibility of each other's WI progress
4. Avoiding additional/unnecessary requirements documents in 3GPP/2
6. Avoiding duplication of work (i.e. understanding OMA/3GPP's respective roles)
7. How to approach any possible work cooperation/transition

These are further elaborated in the contribution.

It was clarified that whereas some of the OMA work and documentation is not open for general distribution, the OMA specifications will be made freely available and there are mechanisms within OMA in order to allow certain documents to be made openly available on a case-by-case basis (it was recognised that this process was still under development).

Considering Action 4a, "each organization to inform the other on a periodic basis (e.g. monthly/quarterly) of requirements documents and their current status" it was thought that from a TSG point of view, an updated 3GPP Work Plan should be transmitted to OMA afetr each TSG Plenary round. From the WG viewpoint, the communication could be more detailed and regular depending on the cooperation on work between the 3GPP and OMA WGs.

It was concluded that this could be considered a rough outline for cooperation between 3GPP and OMA. It was generally considered that there should be no real problems with co-operation between 3GPP and OMA. Transfer of work to and from 3GPP would be subject to agreement by the TSGs and endorsement by the PCG. It was agreed that 3GPP should explicitly provide information to OMA of what is needed to be provided to 3GPP for their common work. It was also considered helpful if OMA would provide similar information to 3GPP on their work. **Member contribution was considered essential in order to coordinate the work between the two bodies**.

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.

6.2 Partners and their bodies

There were no specific contributions under this agenda item.

6.3 Others

TD SP-030372: COMMISSION RECOMMENDATION of 25/07/2003 on the processing of caller location information in electronic communication networks for the purpose of location-enhanced emergency call services. This was introduced by the TSG SA Chairman and provides the European Commission Recommendation that "***Member States should apply the following harmonised conditions and principles to the provision of caller location information to emergency services for all calls to the single European emergency call number 112***". Members were also referred to Point (14): "*When reporting on the situation of E112 implementation, national authorities should address any relevant technical feasibility issue that hinders the introduction of E112 for specific categories of end-users, as well as the technical requirements for handling emergency calls that may originate from SMS and telematic data services*" which would need to be taken into account in 3GPP work. The Liaison was noted and **Members were asked to consider the Recommendation in order to verify any impacts on 3GPP system capabilities and provide any necessary contribution to the relevant WGs.** A related contribution in TD SP-030394 was then considered:

TD SP-030394: Liaison Statement (from OCG EMTEL) on EC Requirements on Emergency Telecommunications. This was introduced by the TSG SA Chairman and asked 3GPP to:

1. Familiarise the TB or WG with the requirements from the COMMISSION RECOMMENDATION of the 25/07/2003 C(2003) 2657 and SR 002 180.
2. Identify areas where your TB or WG is or expects to be active; and initiate the corresponding activities and Work-items.
3. Define functional requirements and collaborate with other TBs, in their defined areas of responsibility, to work on the high priority items.
4. Specify solutions for the existing, new and evolving technologies.
5. Keep OCG EMTEL informed about your existing and expected activities and their status.
6. Provide feedback to the OCG EMTEL in time for their next meeting (November 2003).

The Liaison was discussed and it was concluded that there was no information available to communicate to EMTEL from TSG SA. It was decided that the TSG SA Chairman would send an e-mail to Mr. R. Forbes, informing him that the 3GPP WGs would look into the requirements and provide any relevant information to EMTEL on current activities.

TD SP-030363: LS (from ITU-T SG16) to 3GPP and 3GPP2 on basic operators library. This was introduced by the TSG SA Chairman and informed 3GPP SA WG4 and 3GPP2 TSG-C1.1 of their intention to update the set of basic operators. This was noted for information as SA WG4 were dealing with this liaison.

TD SP-030364: LS from ITU-T SG16: Final Report of the Workshop on Telecommunications for Disaster Relief. This was introduced by the TSG SA Chairman and informed various bodies that the report of the Workshop on Telecommunications for Disaster Relief (TDR) is now available. The report is available for downloading at: http://www.itu.int/itudoc/itu-t/workshop/ets/finalrep.html. It was clarified that this was similar to Priority service feature for IP services (i.e. the SA WG1 Work item on Multimedia Priority Service). The LS was noted and the report should be considered by Members for any related work undertaken in 3GPP.

TD SP-030365: LS (from ITU-T SG16) on Signalling Requirements for IP-QoS. This was introduced by the TSG SA Chairman and was provided to TSG SA for information. Members were asked to review the attachment (DRAFT H.QOS.ARCH) for relevance to 3GPP work. The LS was then noted.

TD SP-030366: Liaison Statement (from ITU-T Q.1/SSG) on Status of ITU-T Draft Rec. Q.SNFB. This was introduced by the TSG SA Chairman and invited comments and inputs from 3GPP Groups to progress the work on Draft Recommendation PDNR Q.SNFB. It was commented that there did not seem to be much use for this work in 3GPP at present. The LS was then noted.

TD SP-030493: LS from ITU-T SG11: Consent of Q.2630.3, Q.2631.1, and Q.2632.1. This was introduced by the TSG SA Chairman and informed TSG SA of 4 Recommendations which had reached consent in the ITU-T. The LS was noted and WGs were asked to take this into account in their work.

TD SP-030494: LS from ITU-T SG11: Electronic Meeting on Signalling Requirements for IP-QOS. This was introduced by the TSG SA Chairman and provided a response to the communication from ITU-T SG16. The LS was copied to TSG SA for information and was noted.

TD SP-030367: LS (from SCaG) on MMS management in the UICC. This was introduced by the TSG SA Chairman and asked SA WG1 to produce requirements to support the new features and T WG3 start the corresponding standardization activities. The LS was copied to TSG SA for information and was noted.

TD SP-030368: LS (from SCaG) on proactive capabilities in the UICC to support MMS management. This was introduced by the TSG SA Chairman and informed TSG SA that GSMA SCaG has been working on MMS management by the SIM card providing compelling use cases and requirements. TSG SA were asked to produce the corresponding requirements to completely support this new feature. **TSG SA asked Members to consider this and provide necessary contribution to SA WG1**.

NOTE: A corresponding CR was approved at TSG SA #20 (22038CR013R2 in TD SP-030355).

TD SP-030370: LS from OMA Requirements WG: Need for OMA Liaison with 3GPP and 3GPP2 re PoC. This was introduced by mmO2 and informed 3GPP and 3GPP2 of the PoC standardisation work just started in OMA and also ask that 3GPP and 3GPP2 for any suggestions to minimise or eliminate any potential duplication of work going forward. The OMA agreed WI was attached for information. **It was commented that the PoC service would need to fulfil the "receive before transmit" requirements for applications**. This was noted and it was also clarified that this is not a direct-mode service. A corresponding contribution was provided in TD SP-030505 which was then considered:

TD SP-030505: Proposal for a Liaison Statement to OMA on principles for overlapping issues with OMA regarding PoC. This was provided by TSG CN and suggested that 3GPP and OMA need to come to a mutual agreement on the following:

- 3GPP understands that OMA develops application and service enabler requirements for mobile services, and develops the high level architecture and implementation where the service enabler does not build upon IMS platform such as WAP platform, etc.
- Related to PoC, 3GPP CN will develop any necessary protocol changes in order to support the OMA PoC enabler.
- 3GPP requests OMA to provide technical requirements and interfaces for PoC in terms of deltas against IMS release 5. This will make it easier for 3GPP to address OMA's needs.
- CN will also request guidance from SA2 on PoC architecture study before defining CN work items.
- 3GPP is the single contact point for IETF in terms of 3GPP dependencies on IETF specifications, in areas such as the IMS.
- CN kindly invites OMA to give a presentation of PoC requirements and architecture during the meetings of the CN WGs, SA1 and SA2 to be held from 27 to 31 October in Bangkok, Thailand.
- CN would like OMA to inform 3GPP on their time schedule for developing the PoC service enabler.
- A 3GPP-wide dependency list should be created to indicate 3GPP dependencies on OMA.

TSG CN asked TSG SA to incorporate these points with the positions from other TSGs and to provide a consolidated response LS to the appropriate OMA groups.

It was agreed to use this contribution as a basis for a LS to be elaborated with the dependencies on 3GPP WGs for each part of the work. It was agreed that it was necessary to establish the requirements and expectations for the system and which of these are not covered by current work. The additional work should then be analysed and the best place for doing the work determined. A drafting group was set up to provide a LS which was provided in TD SP-030530 and reviewed. It was noted that the requested OMA presentation to WGs would need some co-ordination in order to find the best timing for this. The LS in TD SP-030530 was then approved.

This LS then covered the request in TD SP-030370.

TD SP-030507: LS (from GSMA SerG) to 3GPP SA Concerning the Handling of Emergency Calls on 3G Networks. This was introduced by a member of SerG and informed TSG SA of the discussions which had taken place in SerG. A number of principles were agreed, but, no consensus could be reached in their meeting on how Emergency Numbers are treated from Release 1999 and SerG asked TSG SA to ensure that, whatever course of action is agreed, the costs to the operator are considered. The SA WG1 Chairman suggested that this LS is considered in their next meeting in order to determine the impact of requirements. It was agreed that SA WG1 should look at the requirements and take the request of SerG into account. It was clarified that the SIM-less support for Emergency Call was an operator option, where the National legislation would need to be taken into account.

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-030453: Status report of SA WG1 to TSG SA #21. The Status report from SA WG1 was presented by the SA WG1 Chairman, using the slides provided in TD SP-030452.

SMS services over WLAN was questioned. It was reported that this concept requires further discussion in SA WG1.

Slide 27: Storage of MM Elements on USIM. It was clarified that MM Elements are elements of an MMS which could be stored on a smart card for other uses.

Slide 10: LCS. It was clarified that QoS Classes will not define detailed performance ranges and should not impact RAN specifications. It was reported that 2 QoS Classes had been agreed "Assured" and "Best Effort" Classes.

Slide 16: Network Selection. It was clarified that still no conclusion has been reached in SA WG1 and an open discussion on PLMN behind WLAN is still under way.

Slide 20: The introduction of an MBMS New Stage 1 was questioned. It was reported that the "reality" of the requirements need to be verified, particularly in the GERAN environment. The new document for MBMS takes account of the change from Bearer service to Teleservice. It was reported that this was a higher layer change and should not have an impact on the architecture or RAN. There may be an impact on some new interfaces.

Slide 18: Scenario Selection. It was clarified that the user could have the opportunity to decide which level of interworking with the Home Network was desired.

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

7.1.2 Questions for advice from TSG SA WG1

TD SP-030362: Liaison Statement (from SA WG1)on MMS Requirements. This was introduced by the SA WG1 Chairman and informed OMA of the existence~~existance~~ of TS 22.140 and asked OMA to take these requirements into account in their MMS work. The LS was copied to TSG SA for information and was noted.

7.1.3 Approval of contributions from TSG SA WG1

CRs:

TD SP-030492: CRs to 22.101 on Modification of emergency number identification rules (R99, Rel-4, Rel-5, Rel-6). These CRs were approved.

TD SP-030455: CRs to 22.071 on Correction of requirements on the identity format of LCS clients (Rel-4, Rel-5 and Rel-6). These CRs were approved.

TD SP-030456: CRs to 21.905 on to correct the Definition of CDR (Rel-5, Rel-6). These CRs were approved.

TD SP-030457: CRs to 22.101 on Clarification on USIM-based access to IMS (Rel-5, Rel-6). These CRs were approved.

TD SP-030458: CR to 22.078 to align stage 1 with stage 2 & stage 3 (Rel-5). It was noted that the use of comment boxes within the CR was not appreciated as it could add confusion for implementation of such a CR. Members were asked to take care that this practice does not continue. This CR was approved.

TD SP-030459: Assorted CRs to 22.071 on Location Services (Rel-6). These CRs were approved.

TD SP-030460: Assorted CRs to 22.140 on MMS (Rel-6). There was some comment on the wording of CR037 and it was decided to review this CR off-line and to clarify it if possible. CR035 was approved and CR037 was postponed for off-line discussion. A revised CR037R1 was provided in TD SP-030542 which was approved.

TD SP-030461: CRs to 22.140 and 22.038 on MM storage in the USIM (Rel-6). There was some objection to CR036 on the technical feasibility of the proposal and the mandating of this on the ME. It was also commented that MMS is defined as a client service and may not necessarily reside on a mobile equipment. The request for this functionality came from ScaG (see the liaison statement in TD SP-030367). **It was generally agreed that the Storage and retrieval of MMs, Templates, etc. is a desirable feature and work on a technical solution should be progressed**. The CRs were postponed for off-line discussions on a way forward. After discussions, TD SP-030550, CR136R1 on *MM storage in the USIM* and TD SP-030551 for *UICC interactions with MMS clients* were provided:

> TD SP-030550 22.140 CR136R1: MM storage in the USIM (Rel-6). There was some uncertainty on how to write the requirements and whether it is possible to make it mandatory for the ME. The CR was re-drafted to include this in TD SP-030552 which was approved.
> SA WG1 were asked to consider what would happen if it is not possible to access the USIM from the MMS Client.

TD SP-030551 22.140 CR038: UICC interactions with MMS clients (Rel-6). A concern was raised that the sender could determine where the MM will be stored on the receivers device. It was agreed to send this to SA WG1 check the validity these requirements and to clarify the CR if necessary. T WG3 was also asked to look at this issue and to liaise with SA WG1, in order to avoid any delay in the implementation of this in their specifications (this is intended for Rel-6). The CR was therefore postponed and forwarded to SA WG1.

22.038 CR 014 in TD SP-030461 was approved.

TD SP-030462: CR to 22.078 on criteria for "change of position" procedures in CAMEL (Rel-6). These CRs were approved.

TD SP-030463: Assorted CRs to 22.934 on Wireless LAN (Rel-6). These CRs were approved.

TD SP-030464: CRs to 22.041 on ODB and WLAN (Rel-6). These CRs were approved.

TD SP-030465: CR to 22.228 to clarify the meaning of Access Independence. This CR was approved.

TD SP-030466: Assorted CRs to 22.233 on Packet-switched streaming service (Rel-6). These CRs were approved.

TD SP-030467: Assorted CRs to 22.115 on Service Aspects Charging and billing (Rel-6). These CRs were approved.

TD SP-030468: CR to 22.243 on Speech recognition framework for automated voice services (Rel-6). This CR was approved.

TD SP-030469: CR to 22.240 on Generic User Profile (Rel-6). This CR was approved.

TD SP-030514: CR to 22.101: CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 terminals (Rel-5). This CR was provided by mmO2, Vodafone, Cingular, T-Mobile, Swisscom and KPN and was introduced by mmO2. The proposed CR introduced the mandatory Rel-5 UE support for USIM and GSM Phase 2, 2+, 3GPP Release 1999 and Rel-4 SIM cards. There was support for and objection against mandating this functionality on the UE. It was also noted that no manufacturers present intended to implement Rel-5 UEs which do not have SIM support. It was agreed that there was a business need to support legacy SIMs in Rel-5 UEs. It was suggested, as a compromise, that additional mandatory requirements should not be introduced, but the business need for support could be added as a note. **TIM and 3 expressed strong opposition to the proposal and stated that that this may send a wrong signal to the 3G industry and be interpreted as 3GPP making a U-turn on the decision to adopt the better mechanisms that 3GPP has included in the USIM.**

The CR was re-edited and provided in TD SP-030533 and an alternative proposal with the text in the main body (without "Note") was also provided in TD SP-030543. It was agreed to keep the recommendation in a note, and so CR133R1 in TD SP-030533 was approved and CR133R2 in TD SP-030543 was rejected.

TD SP-030515: CR to 22.101: CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 terminals (Rel-6). This CR was provided by mmO2. As for TD SP-030514 above, The CR was re-edited and provided in TD SP-030534 and an alternative proposal with the text in the main body (without "Note") was also provided in TD SP-030544. It was agreed to keep the recommendation in a note, and so CR134R1 in TD SP-030534 was approved and CR134R2 in TD SP-030544 was rejected.

TD SP-030517: CR: Clarification of Emergency Call Requirements against TS 22.101 v6.4.0. This CR was provided by Lucent Technologies, Siemens and Nokia and was introduced by Lucent Technologies. The proposed CR introduced a clear differentiation between requirements for the UE and requirements for the Core Network and clarification of the requirements for action for a UE to make an emergency call for various scenarios. It was clarified that this had been brought directly to TSG SA as it had been extensively discussed on the SA WG1 e-mail list and the authors felt that agreement could be reached and the CR approved in order to have the changes in Rel-6 after this meeting. It was commented that the scenarios for use, depending on the Domain that the UE is in at the point when an emergency call is attempted needed further definition. It was reported that an earlier version of the CR had been discussed on the SA WG1 e-mail list, but had not been agreed and this version had not been sent to the list. **It was therefore decided to send the CR to SA WG1 for further discussion, re-drafting and agreement.** SA WG1 were asked to consider this at their October meeting and to invite experts from the co-located CN groups and SA WG2 to ensure an acceptable solution. **SA WG1 were also asked to inform all impacted groups of the final CR content.**

TSs and TRs:

TD SP-030470: Priority Service Guide (TR 22.952 version 1.0.0) for information. It was reported that an LS had been sent to relevant groups to review and comment on this TR. It was reported that there are no additional technical impacts identified with this TR. This TR was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG1. The intention is to approve the updated draft at TSG SA meeting #22.

TD SP-030471: IMS Subscription and access scenarios (TR 22.800 version 2.0.0) for approval. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030511: Draft TS 22.246 v1.0.0: MBMS User Services. This TS was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG1.

WIDs:

TD SP-030472: Updated WI for GUP. There was some concern over the deletion of linked specifications from the schedule and the need for a full set of linked WIs. It was decided to clarify this off-line and re-submit the WID. The revised WID was provided in TD SP-030536 which was updated with the correct Rapporteur details in TD SP-030553 and approved.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-030373: Report of SA WG2 status. The Status report from SA WG2 was presented by the SA WG2 Chairman.

Slide 24: TR 23.825 v1.0.0 on “Architectural aspects on Charging. It was clarified that this TR will be presented to SA WG5 when it is considered mature enough.

Slide 10: GPRS stage 2 (TS 23.060). It was reported that SA WG2 had not yet dealt with the RAN WG3 LS on this issue.

Slide 7: SA2 Meeting Plan for 2004. It was commented that there are a lot of meetings planned and in the light of the eventual discussions on Release 6 timing, this list should be reviewed. The SA WG2 Chairman said that with the current work load it is required to have two SA WG2 meetings between the plenary but agreed that the meeting schedule for the later half of 2004 should be reviewed when the work load is better known.

Slide 15: IMS - Recommendations to ensure that R5 UE’s can interoperate with external SIP Network as defined in R6. The "Recommendation" was questioned as whether SA WG2 were going to mandate or only recommend such functionality. This will be clarified in the relevant CRs for approval.

Slide 22: IPv6 and IPv4 related issues. It was questioned whether there is an intention to include IPv4 in 3GPP specifications. It was clarified that SA WG2 has a new WID that intends to study interworking and migration aspects of IPv4 IMS, however, that work item does not intend to change normative specifications with regard to IP version support in IMS.~~The SA WG2 Chairman replied that this was under investigation~~

~~within SA WG2 and a WI to study this had been produced.~~ It was commented that the Rel-5 communication requires the IPv6 support in the UE and IPv4 applications running over this were a separate issue.

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

7.2.2 Questions for advice from TSG SA WG2

TD SP-030392: Reply LS (from SA WG2) on possible re-organisation of 3GPP charging specification work. This LS was provided for information and was noted.

TD SP-030393: LS Response (from SA WG2) on User Data Management architecture requirements. This LS was provided for information and was noted.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-030521: CRs On 23.002 (Network Architecture). These CRs were approved.

TD SP-030375: CRs On 23.060 (GPRS/PS domain stage 2). CRs 444, 459, 460 and 461 were not approved and SA WG2 were asked to further discuss them taking the pending comments from TSG RAN into account. **CRs 442r5, 450r3, 455r1 and 456 were approved**.

TD SP-030376: CRs On 23.107 (QoS). These CRs were approved.

TD SP-030377: CRs On 23.195 (Early UE handling). These CRs were approved.

TD SP-030378: CR On 23.207 (End to end QoS). This CR was approved.

TD SP-030379: CRs On 23.221 (Architecture Requirements). These CRs were approved.

TD SP-030380: CRs On 23.228 (IMS Stage 2). A request was made to modify CR337R2 and CR336R1 in section 5.4.2. This was done and the revised CRs 336R2 and 337R3 were provided in TD SP-030538 (see below). All other CRs were approved.

TD SP-030538 CRs 336R2 and 337R3 to 23.228. These CRs were approved.

TD SP-030381: CRs On 23.240 (GUP stage 2). These CRs were approved.

TD SP-030382: CRs On 23.271 (LCS stage 2). These CRs were approved.

TD SP-030398: CRs On 23.141 (Presence). These CRs were revised in TD SP-030541 and were approved.

TSs and TRs:

TD SP-030386: TR 23.917 v.1.0.0 on "policy control" for information. This TR was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG2.

TD SP-030387: TR 23.976 v1.0.0 on "Push architecture" for information. It was noted that Push Notification mechanism using SMS may need some work in T WGs. This TR was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG2.

TD SP-030388: TR 23.851 v1.0.0 on "Network sharing" for information. It was recognised that there were still issues on the use of Broadcast and Network modes of operation in a multiple Network Type and shared RAN environment. This TR was provided for information and was noted. Members were asked to review the TR and provide feedback to SA WG2.

TD SP-030389: TS 23.825 v1.0.0 on "Architecture aspects on charging" for information. This TS was provided for information and was noted. Members were asked to review the TS and provide feedback to SA WG2.

TD SP-030390: TS 23.246 v2.0.0 on "MBMS" for approval. The SA WG3 Chairman reported that this TS had been reviewed in the SA WG3 MBMS ad-hoc meeting and suggested that the security section was replaced with a reference to the SA WG3 MBMS specification (TS 33.246). This was agreed. He also reported that it had been agreed with SA WG3 that the USIM needs to be present for access to MBMS services which was inconsistent with the draft TS. SA WG2 Chairman recognised that this change had not been discussed or communicated to SA WG3 and this would need to be addressed. TSG GERAN had also reviewed the document and some issues had been identified, including the feasibility of supporting a point-to-point connection with a split of flows at the BSC. A joint meeting was thought necessary to resolve these issues. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030391: TS 23.234 v2.0.0 on "WLAN interworking" for approval. The maturity of the TS was questioned as there are still many open issues. It was clarified that the approval could be sought when considered around 80% complete and it would then be placed under change control and changes could be made in a visible, controlled way so other groups can start their related detailed specification work. There was an objection to approving the TS at this time and it was suggested that scenarios 2 and 3 are presented to the GSMA for the Operators' opinion on these scenarios. There was also support for approving the TS in order to make progress on this work, which would still allow other interested groups to comment on the architecture. It was noted that the issues raised had been discussed from the services and architecture viewpoints and clear guidance should be given that the issues of charging and service interaction require more work and the compatibility with previous scenarios also needs investigation and reports of any issues provided. It was also noted that the scenario 3 will need further elaboration before deciding on the tunnelling functionality of scenario 3.

TSG SA confirmed full support for the work up to and including scenario 2 in the draft TS. Although the rest of scenario 3 was supported, it was recognised that there some investigation was needed for the tunnelling solution for scenario 3. The current end-to-end Tunnelling Solution was agreed as a Working Assumption, and SA WG2 were asked to re-examine the tunnelling and to verify that the end-to-end tunnel solution supports the following items:

- **PS Charging capabilities (e.g. flow based charging, GPRS charging mechanisms)**
- **PS based services as identified in TR 22.934 (e.g. SMS, MMS and IMS)**
- **Regulatory requirements ~~e.g. Lawful Interception~~**
- **Future extensibility into Scenarios 4 and 5**

SA WG2 were tasked to provide a report on these issues for the next meeting where the updated TS could be re-presented to TSG SA for approval. SA WG2 were also asked to consider providing a LS to GSMA asking for their input on this Tunnelling solution. Other 3GPP WGs, e.g. CN WGs, should proceed with their work based on the existing TS for scenarios 1 and 2, and the non-tunnelling solution of Scenario 3.

WIDs:

TD SP-030383: WID on "Impacts of Speech Enabled Services on IMS, PS and CS domains". The WID was modified to show that this is a Building Block of the Feature "Speech Enabled Services", in TD SP-030539 which was approved.

TD SP-030384: WID on "3GPP Enablers for services like Push to Talk over Cellular (PoC)". The SA WG1 Chairman asked why the Stage 2 work was starting before the Stage 1 work is available. The SA WG2 Chairman clarified that, by the nature of this service, some aspects of this can be carried out in SA WG2 before the SA WG1 have completed the requirements work. It was clarified that the WID would cover PoC and similar services in case the developed solution could be re-used for other services. It was decided to set up a drafting group to update the WID in TD SP-030540 which was reviewed and approved.

mmO2 commented that this is the first time work will start in 3GPP as a result of activities in OMA, and that the principle for such work should be that it starts with an analysis in both SA WG1 and SA WG2, whether "work item leadership" is assigned to SA WG1 or SA WG2. The work item leadership for this work item is assigned to SA WG2. **SA WG1 and SA WG2 were asked to start work on the subject and to liaise with OMA**.

TD SP-030385: WID on "Interworking aspects and migration scenarios for IPv4 based IMS Implementations". There was some discussion over the impact and value of this study and the possible scenarios in 3GPP for interworking with IPv4-based IMS systems. It was noted that 3GPP2 had adopted IMS

as a platform, but allowed both IPv4 and IPv6 as a solution and this may be important for future interworking. After some discussion for and against the approval of the WID, finally "3" and TIM objected to the approval of the WID. In principle "3" and TIM agree with the principle of IPv4 interworking, however, they are concerned that this may send a wrong signal to the 3G industry and be interpreted as 3GPP making a U-Turn on their decision to adopt IPv6 as the mandatory protocol. These objections were noted and the WID was approved.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-030473: SA WG3 Status Report at TSG SA#21. The Status report from SA WG3 was presented by the SA WG3 Chairman.

There were no comments on the presentation and the SA WG3 Chairman was thanked for his report, which was then noted.

TD SP-030474: Draft Report of SA WG3 meeting #29. This was provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

SA WG3 had requested a joint session with the OMA Security group. Following agreements made at the 3GPP-OMA Workshop on 15 September 2003, this was now allowed as part of the 3GPP normal co-operation with OMA.

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-030475: CR to 33.102: Clarification on the usage of the c3 conversion function (Rel-6). This CR was approved.

TD SP-030476: 2 CRs to 33.102: [LATE_UE] - IMEISV retrieval before completion of security mode set-up procedure; Mitigation against a man-in-the-middle attack associated with early UE handling (Rel-5). These CRs were approved.

TD SP-030477: CR to 33.106: References (Rel-6). The need for the change to references to create a new Rel-6 version of the specification was questioned. It was decided to check that the use of Reference [10] does not introduce a functional change, in which case it should be proposed as a category "C" CR. The LI group were asked to verify this and re-submit the CR to SA WG3. The CR was therefore rejected.

TD SP-030478: CR to 33.107: Missing QoS Parameter in IRI (Rel-5). This CR was approved.

TD SP-030479: 2 CRs to 33.107: TEL URL for IMS interception identity (Rel-6); Stereo delivery to LEMF (Rel-6). The SA WG3 Chairman reported that the title page table for CR032 had an incorrect title, but this was correct on the CR itself. CR033 was considered to be a Category "F" CR. These CRs were approved (CR033 as Category "F" CR).

TD SP-030508: 6 Release 6 CRs to 33.108 (Rel-6). CR020R1 and CR024R1 were considered to be Category "F" CRs. These CRs were approved (CR020R1 and CR024R1 were approved as Category F CRs).

TD SP-030509: 2 CRs to 33.108: Syntax error in Annex B.3 (Rel-5 & Rel-6). These CRs were approved.

TD SP-030482: 2 CRs to 33.108: Reference errors in Annex G (Rel-5 & Rel-6). These CRs were approved.

It was commented that some LI CRs had been made to wrong base versions due to the meeting schedules and that there was no representation from SA WG3-LI group for the presentation of the CRs. SA WG3 were asked to consider this and propose attendance from the SA WG3-LI Group for the presentation of CRs to TSG SA. The timing of the SA WG3-LI Group meetings should also be reviewed to prevent the creation of CRs to the wrong base versions.

All WGs and Sub-WGs were reminded that they should follow the 3GPP Working Procedures in order to ensure efficiency of the approval system.

TD SP-030483: CR to 33.203: Introducing Cipher key Expansion for IMS (Rel-6). This CR was approved.

TD SP-030484: CR to 33.203: Modification of the security association lifetime management (Rel-5). This CR was approved.

TD SP-030485: CR to 33.203: Annex H in 33.203 (Rel-5). This CR was approved.

TD SP-030486: CR to 33.203: Security association handling, behaviour of SIP over TCP and re-authentication (Rel-5). This CR was approved.

TD SP-030487: CR to 33.203: Introducing Confidentiality Protection for IMS (Rel-6). This CR was approved.

TD SP-030488: 2 CRs to 33.210: Change of IKE profiling (Rel-5 & Rel-6). These CRs were approved.

TD SP-030489: 2 CRs to 33.210: Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554 (Rel-5 & Rel-6). These CRs were approved.

TD SP-030490: CR to 55.216: Clarification on the usage of the Key length (Rel-6). This CR was approved.

WIDs:

TD SP-030491: WID: Key Management of group keys for Voice Group Call Services. This WI description was approved as a Feature. SA WG3 were asked to keep T WG3 informed as soon as possible on any impact on the USIM.

Other:

TD SP-030397: Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces. This was introduced by Toshiba as a proposal for progress on the Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces. It was noted that this was a Company Contribution from Toshiba and that the proposal had not yet been discussed and agreed by SA WG3. It was reported that the SIM cannot be modified (it is fixed in Release 4) and SA WG3 were asked to keep this in mind. SA WG3 were asked to keep the Architecture and Core Network groups informed about the progress of this work. Toshiba were thanked for the presentation, which was noted.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-030433: SA WG4 Status Report at TSG SA #21. The Status report from SA WG4 was presented by the SA WG4 Chairman.

The content of Slide 25 was highlighted, and is reproduced here:

A Low-Complexity AMR Noise Suppression (AMR-NS) solution from NEC Corporation was endorsed by SA WG4 at SA WG4 meeting #28. The endorsement means that, based on the test results presented to SA WG4, SA WG4 considers the algorithm meeting the recommended minimum performance requirements as given in TS 26.077. A statement of this acknowledgement is included in the SA WG4 meeting #28 meeting report. (No AMR-NS algorithm itself is specified by SA WG4 nor standardised in 3GPP, i.e. the "endorsement" does not have such meaning. See TS 26.077 for details.)

Slide 24: It was clarified that the updated WID on MBMS had not yet been approved and it was acknowledged that, upon review of the updated WID, the terminology will change~~used in slide 24 would need some review~~.

Slide 12: It was clarified that the draft 0.3.0 of TS 26.234 was under preparation to develop the Rel-6 version, which would be presented as CRs to create the Release 6 TS when ready (TS 26.234 Rel-5 was already

agreed to be split and create 4 new specifications for Rel-6, i.e. TS 26.234, TS 26.244, TS 26.245 and TS 26.246).

Slide 17: It was clarified that this describes the alternative methods on how to proceed which were identified in extensive debate during SA WG4 meeting #28.

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

TD SP-030434: Test and processing plan for default Codec evaluation for speech enabled services (SES). This was provided for information and was noted.

TD SP-030435: Test Plan for the AMR Narrow-Band Packet Switched Conversation test. This was provided for information and was noted.

TD SP-030436: Test Plan for the AMR Wide-Band Packet Switched Conversation test. This was provided for information and was noted.

TD SP-030437: AMR-WB+ and PSS/MMS Low-Rate Audio Selection Test and Processing Plan. This was provided for information and was noted.

TD SP-030438: PSS/MMS High-Rate Audio Selection Test and Processing Plan. This was provided for information and was noted.

TD SP-030439: Funding of Audio Codec Testing. The SA WG4 Chairman explained the funding principles in more detail and delegates were invited to review this document at their leisure. This was provided for information and was noted.

7.4.2 Questions for advice from TSG SA WG4

TD SP-030369: LS (from SA WG4) on “Assessment of the SES Codecs ability to reconstruct speech”. This was introduced by the SA WG4 Chairman and informed TSG SA that, based on the work done in ETSI Aurora, both the 8 and 16 kHz DSR Codec versions are capable of reconstructing intelligible speech. Therefore, there is no need to carry out the intelligibility tests for the SES candidate Codecs. Reconstruction quality of the SES Codec candidates will be measured for informative purposes only. The LS was noted.

Slide 19: Advice is sought from TSG SA on the remaining unsolved issue of (limited) access to source code for the Audio Codec evaluation. A contribution was received on this issue in TD SP-030506 which was reviewed (see below).

TD SP-030506: Specification format for mandatory Audio Codec (Coding Technologies). This was introduced by Coding Technologies and discusses the remaining issue in SA WG4 for Audio Codec selection rules. Coding technology requested TSG SA to put the compromise solution as described in the SA WG4 report, with the clarifications given in this contribution, into full force and effect. This will allow the testing exercise to begin as scheduled and will ensure timely completion of the work for inclusion into Rel-6 of the specification.

There was a long discussion on the openness needed of the source code for a selected Codec to allow implementation. It was proposed that it would be sufficient to have the decoder and the bit stream publicly available in order to specify the Codec. It was stressed that the requirements for submission of material to allow the comparison tests were independent to the needs for the specification of the selected candidate and this should be defined by SA WG4.

The TSG SA Chairman asked if anyone was opposed to going for the Alternative approach proposed in TD SP-030506. Nokia and Ericsson raised concerns about the lack of openness and the fairness to 3GPP Members having access. Coding Technologies stated that the intention is to make the source available under NDA only for use to implement 3GPP specifications.

The TSG SA Chairman asked for an indication (show of hands) of Member companies in favour for the method of providing the full encoder and decoder source codes as attachments to the text of the specification as it is the case for, e.g. GSM HR, GSM EFR, AMR and AMR-WB Codecs: approx 20 - 22 Member companies were counted. He then asked for an indication (show of hands) of Member companies in favour of the alternative method in TD SP-030506: approx 4 - 5 Member companies were counted. It was noted that if not more of the 3GPP members would be willing to accept the alternative approach it would not be likely that final specifications based on this principle would receive much support from 3GPP Members. It was decided to leave some time for off-line discussion and return to this on Thursday morning in order for delegates to have technical consultations with their companies on the exact technical needs for specification to allow implementation of the Audio codec.

The issue was returned to on the morning of 25 September 2003:

The TSG SA Chairman outlined the needs for the selection of a Codec for the 3GPP project: The selection rules need to be agreed containing the requirements for the finally selected Codec, before the selection takes place. After selection, all the information needed in order to produce a 3GPP specification defining the Codec needs to be available in order that the final specification can be approved by 3GPP Members.

TD SP-030555 On the issue of specification format in the Rel-6 PSS Audio Codec selection. This was introduced by NEC and suggested that even though 3GPP have good experience in speech Codec selection and is a technical leader in speech Codec technology, we do not have experience in Audio and Video Codec selection. NEC proposed that 3GPP should learn from procedures used in other standardization body rather than applying the usual speech Codec selection process.

NEC proposed the following requirements for 3GPP Audio Codec specification:

- A detailed encoder and decoder specification (enough to implement a functional Codec),
- The decoder C source code that was used during the evaluation
- A reference encoder C source code (not necessarily quality nor complexity optimised)

It was clarified that the source code was expected to be freely available from 3GPP for download.

Since the Audio Codec selection is a new selection, NEC asked the opinion of delegates from the viewpoint of a 3GPP speech Codec based procedure or Audio/Video Codec selection procedure used in other standardization groups.

The reference to a particular ITU Codec was questioned, it was reported that the ITU also have a Codec for H.263, which does not have C source code available.

The chairman clarified that the goal is to allow a company, whether or not a 3GPP Member, to implement the Codec according to the 3GPP specification. The necessary information to do this needs to be made available. 3GPP need to decide what is required to be provided to allow this before agreeing the rules and process for Codec selection. The chairman stressed that the item in question was solely the requirements for technical documentation of the Audio Codec for PSS/MMS and not the general principle for specifications Codecs, as this would have to be dealt with on a case-by-case basis.

There were 3 methods available for discussion: The NEC proposal (TD SP-030555), The "*Compromise solution*" (TD SP-030506) and the method used in the past for 3GPP Speech Codecs selection (TD SP-030433 Slide 17, Method A). The TSG SA Chairman asked for an indication from Members on their willingness to approve a set of specifications for the selected Audio Codec based on each of the options by a show of hands:

Proposal	Votes For	Votes Against	TSG SA Conclusion:
NEC proposal (TD SP-030555)	3	20	Difficult to get final specification agreed.
Compromise solution (TD SP-030506)	2	18	Difficult to get final specification agreed.
3GPP Speech Codec selection method used in the past (TD SP-030433 Slide 17, Method A)	25	0	Most likely to lead to agreed final specification.

The chairman therefore concluded that the selection criteria should be based upon having the Source C code freely available at the end of the specification work.

Coding Technologies reported their strong reservations against this agreement and Microsoft added their reservations to this.

Considering references made to different principles for Video Codec specification and the fact that 3GPP will soon need to consider Video Codec specifications, the TSG SA Chairman urged delegates to start considering the issue of Video Codec selection and specification as soon as possible.

3, TIM and Vodafone stated that there should be no preconditions adopted in the selection of Video Codecs, which was agreed.

7.4.3 Approval of contributions from TSG SA WG4

TD SP-030440: Recommendation Criteria for Default Codec for Speech Enabled Services (SES). This was introduced by the SA WG~~2~~4 Chairman and provided the recommendation criteria for the default Codec for speech enabled services (SES) as agreed at SQ SWG, SA WG4 meeting #27. **TSG SA approved the recommendation criteria**.

CRs:

TD SP-030444: CRs to TS 26.073: Correction of the MMS_IO flag (Release 5). These CRs were approved.

TD SP-030445: CR to TS 26.132: Loudness rating measurements at lower bit rates (Release 5). These CRs were approved.

TD SP-030446: CRs to TS 26.173: Possible decoder LPC coefficients overflow (Rel 5). These CRs were approved.

TD SP-030447: CR to TS 26.204: Possible decoder LPC coefficients overflow (Release 5). It was noted that the headers of this CR contained a reference to the wrong specification (TS 26.173). It was clarified that this was an editorial error due to the use of another CR as a template for this one. This CR was approved.

TD SP-030448: CRs to TS 26.234: Corrections (Release 5). These CRs were approved.

TD SP-030449: CRs to TS 26.236: Corrections (Release 5). These CRs were approved.

TD SP-030450: CR to TS 26.976: Reference to incorrect test results (Release 5). This CR was approved.

TD SP-030451: CR to TS 28.062: Removal of Pre-Handover Notification for UMTS (Release 5). This CR was approved.

TSs and TRs:

TD SP-030443: TR 26.937 on "RTP usage model" v2.0.0 (Release 5). This TR was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

WIDs:

TD SP-030442: Updated Work Item Description on Definition of MBMS user services, media Codecs, formats and transport/application protocols using Multimedia Broadcast/Multicast Service (MBMS) (Release 6). It was noted that SA WG4 had changed the classification of the WI to a BB from a Feature which introduces a dependency on the completion of this work on the parent MBMS Feature. Delegates were asked to give some consideration to this and consider splitting the SA WG1 MBMS Feature into two independent Features. This updated WI description was approved.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-030400: Status report of SA WG5 to TSG SA #21. The Status report from SA WG5 was presented by the SA WG5 Chairman.

Slide 19: The re-organisation of the charging work was discussed. It was clarified that SA WG5 had improved their resource problems for this work and the discussion on potential reorganisation of the charging work had resulted in an agreement in SA WG5 that no changes should be pursued within Rel-6~~that no work should be moved into CN until the Rel-6 work is completed~~. The TSG CN Chairman reported that the re-organisation of the charging work in 3GPP may involve a number of different WGs across the TSGs in the long-term. It was suggested that SA WG1 should provide the requirements for the charging work however. The SA WG5 Chairman responded that SA WG1 are currently doing high-level requirements and if they would like to be more involved in the charging requirements, then they were welcome to provide input to SA WG5. It was also suggested that a firm decision should be taken in order to allow delegates to plan their work and continue the work without interruption. The SA WG5 Chairman reported that this had been the subject of in-depth discussions in the SA WG5 Charging group which had resulted in an agreement in SA WG5 that no changes should be pursued within Rel-6~~who had agreed upon the proposal to delay any re-organisation until after the Rel-6 work is complete~~.

The TSG SA Chairman stated that the positioning of the work needs a clear scope of work and a clear place where it will be carried out. Also, if related work is being done, the work should be done in the same WG for efficiency. It was the task of TSG SA to develop a recommendation for the positioning of the work. A complete review of the charging work should be carried out in order to arrive at an efficient solution. **It was agreed to have a discussion on this over the TSG SA e-mail list.**

Slide 12: Subscription Management. The status of the work was reported: The work so far done on GUP has been analysed and the ~~protocols coming from~~ GUP stage 3 may be re-used for the Subscription Management IRP solution sets~~ are planned to be used for a basis for the Subscription Management~~. It was also reported that the work of OSA has not been considered, as no resource was made available to evaluate their work.

Slide 18: User Equipment Management. SA WG5 proposed that this work is either postponed to Rel-7 or stopped as there is no progress or support in SA WG5. TSG SA agreed to withdraw this WI and if companies decide they would like to re-introduce it, this could be done, with the appropriate support for the work.

The SA WG5~~ 4~~ Chairman was thanked for his report, which was then noted.

7.5.2 Questions for advice from TSG SA WG5

There were no specific contributions under this agenda item.

7.5.3 Approval of contributions from TSG SA WG5

CRs:

TD SP-030401: Rel-5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Removal / Replacement of the term UMTS. This CR was approved.

TD SP-030402: 2 Rel-4/5 CRs 32.102 (Telecommunication management; Architecture) : Correction of subclause X.2.1 in Annex C. These CRs were approved.

TD SP-030403: Rel-6 CR 32.102 v5.3.0 (Telecommunication management; Architecture): Update to UML repertoire to support more concise modelling of stage 2 specifications. This CR was approved.

TD SP-030404: Rel-6 CR 32.140 (Services operations management; Subscription management requirements): Correction to Fig. 3 (Architecture for management of Subscription Profile components). This CR was approved.

TD SP-030406: 3 Rel-4/5 CRs 32.200 (Charging principles). These CRs were approved.

TD SP-030407: 3 Rel-4 CRs 32.205 (Charging data description for the Circuit Switched domain). These CRs were approved.

TD SP-030408: Rel-5 CR 32.235 (Charging data description for application services) : Correction of content adaptation indication in the MMS Retrieval CDR. This CR was approved.

TD SP-030414: Rel-5 CR 32.615 (Configuration Management; Bulk CM IRP: XML file format definition): Add missing Activities to Session Log XML. This CR was approved.

TD SP-030415: Rel-4 CR 32.303 (Configuration Management; Notification IRP: CORBA solution set): Incorporation of version handling, adopting release 5 agreements. This CR was approved.

TD SP-030416: 2 Rel-4/5 CRs 32.111-4 (Fault Management; Part 4: Alarm IRP: CMIP solution set): Correction of syntax error in type SetComment. These CRs were approved.

TD SP-030417: 2 Rel-4/5 CRs 32.624 (Configuration Management; Generic network resources IRP: CMIP solution set): Rel-4/5 alignement of OIDs of some attributes and name bindings. These CRs were approved.

TD SP-030418: 6 Rel-5 CRs 32.652/3/4/5, 32.615/645: Inclusion of External BSS Function in GERAN / UTRAN. These CRs were approved.

TD SP-030419: 2 Rel-4/5 CRs 32.632 (Configuration Management; Core Network IRP: Network Resource Model): Correction of IOCs Notifications. These CRs were approved.

TD SP-030420: Rel-5 CR 32.644 (Configuration Management; UTRAN network resources IRP: CMIP solution set): Correction of wrong attribute name. This CR was approved.

TD SP-030421: Rel-5 CR 32.674 (Configuration Management; State ManagementIRP: CMIP solution set): Addition of the missing OID for ts32-674Package. This CR was approved.

TD SP-030430: 3 Rel-6 CRs 32.401 (Performance Management (PM); Concept and requirements). These CRs were approved.

TD SP-030431: 6 Rel-4/5/6 CRs 32.403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM). These CRs were approved.

TD SP-030432: Rel-6 CR 32.411 (Performance Management (PM) Integration Reference Point (IRP): Requirements): Expansion of the requirements for threshold alarms on bounded variables. This CR was approved.

TSs and TRs:

TD SP-030405: New Rel-6 TS 32.141 v2.0.0 (Services operations management; Subscription management architecture). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030409: New Rel-6 TR 32.815 v2.0.0 (Charging management; On-line Charging System (OCS) architecture study). This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). **SA WG5 were requested to discuss the options in section 5.1.1 "Functional split between Charging Function and Rating Function" and to decide upon a single option and to update the TR to remove the other options.**

TD SP-030410: New Rel-6 TS 32.251 v1.0.0 (Charging Management; Packet Switched (PS) domain charging) - for Information. The void references were questioned the draft. The SA WG5 Chairman reported that the group wanted to allocate the references into blocks of certain subjects. It was also noted that certain references were not used in the document. This TS was provided for information and was noted. SA WG5 were asked to take the comments into account. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030411: New Rel-6 TS 32.271 v1.0.0 (Charging Management; Location Service (LCS) Charging). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030412: New Rel-6 TS 32.270 v1.0.0 (Charging Management; Multimedia Messaging Service (MMS) charging). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030413: New Rel-6 TS 32.298 v1.0.0 (Charging Management; Charging Data Record (CDR) Parameter Description). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030422: New Rel-6 TS 32.350 v1.0.0 (Communication Surveillance (CS) requirements). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030423: New Rel-6 TS 32.361 v1.0.0 (Entry Point (EP) Integration Reference Point (IRP): Requirements). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030424: New Rel-6 TS 32.362 (Entry Point (EP) Integration Reference Point (IRP): Information service). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030425: New Rel-6 TS 32.363 (Entry Point (EP) Integration Reference Point (IRP): CORBA solution set). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030426: New Rel-6 TS 32.681 (Inventory Management (IM) Integration Reference Point (IRP): Requirements). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030427: New Rel-6 TS 32.695 (Inventory Management (IM) network resources Integration Reference Point (IRP): XML file format definition). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030428: New Rel-6 TS 32.711 v1.0.0 (Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

TD SP-030429: New Rel-6 TS 32.712 v1.0.0 (Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information service). This TS was provided for information and was noted. Delegates were invited to study the draft and provide comments to SA WG5.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item. The Work Plan is covered in agenda item 8.7.

7.7 Letters to other groups

The following Liaisons were approved:

SP-030530	LS to OMA REQ WG, OMA POC WG (Copied to SA1, SA2, CN1, CN3, CN4) on Need for OMA Liaison with 3GPP and 3GPP2 re PoC
SP-030554	LS from TSG SA to 3GPP2 Plenary, OMA TP on proposed workshop on MMS Standardisation Management

7.8 Other issues

TD SP-030501: 3GPP Dependencies on OMA Deliverables (Nortel Networks). This was introduced by Nortel Networks and discussed. It was agreed that a dependencies list should be maintained. The TSG CN Chairman suggested that it should be maintained in a single point of contact for all 3GPP TSGs. Mr. I. Sharp agreed to maintain this list. Information on dependencies and progress on this work should be forwarded to Mr. Sharp for collation and maintenance of this list. It was noted that a co-ordinated mechanism to gather the information from the other bodies needs to be developed. It was also agreed to reflect the content of the list into the 3GPP Work Plan.

It was also considered to be a useful document to be maintained in the other bodies (3GPP2 and OMA) and Members were asked to suggest setting up a similar list in the other Bodies.

TD SP-030371: Presentation Slides: IP QoS Interoperability Issues. This was presented by SBC Communications on behalf of SBC Communications and BT. The presentation discusses the issues of QoS implementation across networks and proposed that: for end to end service delivery, industry convergence on a single set of QoS Classes to be signalled end-to-end is desirable; that the ITU-T QoS Classes should be globally supported and that other end-to-end QoS issues require further consideration.

The TSG CN Chairman commented that it was a little early to start considering the QoS issues in detail as there is not enough experience yet on the performance and end-to-end QoS policies.

It was noted that this was a topic for SA WG2 to discuss, but it should not be given high priority at present if this would adversely impact the ongoing Rel-6 work.

The authors were thanked for the presentation which was then noted.

TD SP-030527: Inter-network accounting for BS30 based services such as Video telephony. This was introduced by T-Mobile on behalf of T-Mobile and Vodafone. TSG CN were asked to discuss this topic and to instruct CN WG3 to develop a suitable signalling solution for Rel-4, Rel-5 and Rel-6. The TSG CN Chairman reported their handling of this in his Report to TSG SA (no LS was sent).

TSG SA were asked to support this request and to instruct SA WG1 to draft Rel-4 and Rel-5 versions of the CR to TS 22.115 which has already been agreed in SA WG1. TSG SA were also asked to instruct SA WG5 to draft appropriate amendments to TS 32.205 (Rel-4 and Rel-5) and TS 32.250 (Rel-6).

It was noted that there was some support for including this in Rel-4. Such a change to Frozen releases should be reviewed when more information is available.

The proposal of the contribution were accepted in principle and WGs were asked to consider this and report back to TSG SA at the next meeting, where a decision on the practicality of introducing this can be made.

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-030503: Presentation of highlights from TSG CN meeting #21. The Status report from TSG CN meeting #21 was presented by the TSG CN Chairman.

Questions for Guidance from SA

Inter-network accounting for BS30-based services such as Video (NP-030431)
- CN believes this is a problem that needs to be solved
- Requests guidance from SA or SA1 on how far back to solve the problem (R99?).

CN requests SA provide consolidated response back to OMA on PoC
- Please incorporate input from CN (SP-030505)

CN willing to accommodate charging work (SA5 SWGB)
- Up to SA (with input from SA5, SWGB) to decide on move
- Eventual migration to normal worksplit:
  - charging requirements -> SA1
  - charging architecture -> SA2

Questions and Comments:

Slide 8: It was clarified that TD NP-030431 (TD SP-030527) had been discussed in TSG CN but no related CRs have been approved.

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

TD SP-030537: Draft Report of TSG CN Meeting #21. The draft Report of the TSG CN meeting was provided for information and was noted.

TD SP-030504: IETF status report. This was introduced by the TSG CN Chairman.

Summary:

> One Rel-5 SIP is draft still not completed (3pcc). This is a minor dependency and could be removed if necessary. 2 drafts approved but still awaiting publication. IETF to continue to try and expedite all outstanding 3GPP Rel 5 dependencies.
> 11 New Dependencies added for Release 6, bringing total to 78. Additional dependencies may be required as solutions are developed for Ipv4/Ipv6 interworking, transcoding, AMR-WB+ transport, etc.
> Most IETF drafts on target for March 2004 timeline.
> XCON WG created in IETF to handle conferencing issues.

It was reported that there is work ongoing in IETF on Emergency calls. Work would need to be done on Prioritising Emergency calls in the Network.

The TSG CN Chairman was thanked for his co-ordination work in with the IETF and the report was noted. Delegates were invited to take this information into account in their 3GPP work.

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 TSG CN Chairman's report in TD SP-030503 contains information related to this agenda item.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The TSG CN Chairman's report in TD SP-030503 contains information related to this agenda item.

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-030531:. Presentation of highlights from TSG RAN meeting #21. The Status report from TSG RAN meeting #21 was presented by the TSG RAN Chairman.

Questions and Comments:

Slide 8: It was clarified that the request for resources to PCG was for MCC Support. The impact of not receiving the resources would be problems in the handling of approved CRs in the meeting which has no MCC support to organise this for TSG Plenary. WGs were warned that good control of their CRs would need to be ensured within un-supported meetings. Concern was also expressed from some SA WGs that more than one meeting will be needed between TSG Plenaries. The TSG SA Chairman responded that the PCG would decide and hopefully the most loaded groups would receive any extra support allocation possible.

Slide 5: The work on repeaters was reported as progressing very slowly.

Slide 7: It was reported that the re-scheduling of the MBMS Workshop between WGs meant that RAN WG1 delegates could not attend. This was noted as the invitation for the workshop has already been transmitted.

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

TD SP-030532:. Draft Report of TSG RAN meeting #21. This was provided for information and was noted.

TD SP-030395: LS from RAN WG3: Remote Control of Electrical Tilting Antennas. It was noted that SA WG5 need to investigate this. The LS was then noted.

TD SP-030535 TR 25.803 v1.0.0 "S-CCPCH performance for MBMS". This TR had been presented to TSG RAN and was provided to TSG SA for information. The TR will be forwarded to the joint meeting between WGs. This document was noted.

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

There were no specific contributions under this agenda item. The TSG RAN Chairman's report in TD SP-030531 contains information related to this agenda item.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The TSG RAN Chairman's report in TD SP-030531 contains information related to this agenda item.

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-030529: TSG T#21 Progress Report. The Status report from TSG T meeting #21 was presented by the TSG T Chairman.

T WG2:
T WG2discussed their GUP WID:
- All supporting companies with one exception whose names are on this WID have stated that they have no intention to provide any input to progress this work
- Companies whose names are not on the WID are providing contributions
- T2 sought the further support for input from companies at TSG-T

T WG2 SWG1 had been dissolved. MExE work will continue with the Rapporteur, under direction of T WG2.

The second position of T WG2 Vice Chair is still vacant.

T WG3:
Support of Short File Identifiers by EFs in DF_Phonebook

Long discussion about the interpretation of SFI (Mandatory or Optional) - Concluded to mandate the SFI in these files.

This leads to a restriction of max. 30 EFs in DF_PHONEBOOK. This needs to be resolved from Rel-6 onwards

USIM usage for MBMS security

Ongoing discussion in SA WG3 on the usage of the USIM for MBMS security will impact the T WG3 specifications.

T WG3 encourage TSG T and TSG SA to involve T WG3 in this work as the inclusion of the feature to the smart card for Rel-6 is time critical

2 options on how to proceed:
- Let the work start in T WG3 before SA WG3 and SA WG1 work completion
- Leave T3 some time after Rel-6 official completion date

Questions and Comments:

Slide 19: It was clarified that the OMA Security Group would be asked to keep T WG3 involved in any (U)SIM-related issues with their Device management work.

Slide 18: USIM usage for MBMS security: It was clarified that it was not expected to have the SA WG1 and SA WG3 word fully complete before T WG3 start their work, but sufficient guidance should be provided to allow T WG3 to progress their work. **SA WG1 and SA WG3 were encouraged to provide stable information to T WG3 as soon as possible.** The SA WG3 Chairman reported that discussion on this was on the agenda for the October meeting and information would be provided to T WG3 as soon as agreement is reached. The TSG T Chairman asked whether work could be started in their WGs before the requirements from the SA WGs are complete. It was clarified that this was always allowed, but if the final requirements are different from the assumptions made in T WGs, then the work in the T WGs may have to be reviewed and

revised. This is a risk that the individual WGs would need to take into account when deciding whether to start their work before the requirements are ready.

Slide 15: It was reported that the condition for the approval of the CRs (TS 31.102, TS 11.11, TS 51.011) had been fulfilled in TSG CN and the CRs were therefore approved.

The TSG T Chairman reported that the MCC Secretary to T WG1 had been replaced by Mr. A. Sultan who has other tasks in MCC and is currently overloaded with this work. **The TSG T Chairman reported his intention to bring this resource issue up with the head of MCC and the PCG for resolution.**

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

TD SP-030528: Proposed LS from SA to 3GPP2 Plenary, OMA TP on proposed workshop on MMS Standardisation Management. This was introduced by the TSG T Secretary. It was clarified that this would be a workshop between the Members of 3GPP, 3GPP2 and OMA. Individual Members would be responsible for proposing anything coming from this to the respective bodies. TSG SA endorsed the proposed terms of reference for the workshop. Some editorial changes were suggested and clarification that decisions are not binding on the Bodies but may be input to them via their Members was added and the LS was updated in TD SP-030546 (with revision marks, and reviewed. The LS was revised to remove revision marks in TD SP-030554 and was approved.

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

TD SP-030396: LS from T WG2: Emergency services using SMS / MMS. This was introduced by the TSG T Secretary. T WG2 asked TSG SA and TSG T to debate this subject and decide whether further action by 3GPP should be taken at this stage and what those actions should be. It was clarified that a European Commission requirement for location in conjunction with Emergency Service mentioned SMS. It was also agreed that SMS / MMS services are store and forward services and **cannot be considered as a suitable service for Emergency call use due to the lack of guaranteed delivery**. It was noted that Priority services may also be needed on these services in order to fulfil the Emergency Services requirements.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The TSG T Chairman's report in TD SP-030529 contains information related to this agenda item.

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-030512: TSG GERAN Status Report to TSG SA#21. The Status report from TSG GERAN was presented by the TSG GERAN Chairman.

TSG GERAN have been made aware of problems with Release 1999 mobiles in some pre-Release 1999 networks: Release 1999 mobiles might be rejected due to the revision level indication in the Classmark - Release 1999 extensions to GPRS protocols might cause the network to reject messages. Specifications have in the past been updated to clarify their behaviour. An has been LS sent to GSMA asking for action to help quick deployment of network ”corrections” A positive answer was received indicating that GSMA have taken action. No further action will be taken by TSG GERAN.

DTM: A significant change of mandatory support in mobile and network has been agreed in order to ease and speed-up deployment. Now support of class 5 (two timeslots) is mandatory, whereas before support of class 1 (one timeslot) was mandatory.

Questions and Comments:

Slide 15: The term to replace logical channel was requested. It was explained that the term had been used to mean many things and needed clarification.

Slide 16: SAIC: It was reported that the potential gain results showed around 2 dB. The actual gain received depended on the penetration of the new mobiles in the coverage area (increasing up to around 2 dB with increasing penetration).

The TSG GERAN Chairman thanked himself for giving his report, which was then noted.

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

There were no specific contributions under this agenda item. The TSG GERAN Chairman's report in TD SP-030512 contains information related to this agenda item.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The TSG GERAN Chairman's report in TD SP-030512 contains information related to this agenda item.

8.5 Letters to other groups

There were no specific contributions under this agenda item. Approved LSs from TSG SA are listed under agenda item 7.7.

8.6 3GPP Work plan

TD SP-030524: 3GPP Work Plan before TSG Plenaries #21. This was introduced by A. Sultan, MCC Work Plan Manager. This was provided for information and was noted.

TD SP-030525: Slide Presentation of the Work Plan, including results from TSGs CN, RAN and T meetings #21. The MCC Project Plan manager (A. Sultan) presented the summary of the work plan which had been produced by MCC.

Questions and Comments:

Slide 34: IMS Phase 2, Local services. Stage 3: not started. Is Stage 2 stable enough for CN WG1 to start the work? If yes, where?

No, the Stage 2 is not stable enough.

Slide 47: Speech Recognition and Speech Enabled Services. Is any more work needed (e.g. by CN WG1)?

No

Slide 50: WLAN Interworking work.

It was clarified that this TS 23.234 had not been rejected, but SA WG2 were to continue work on Scenario 3 and to provide a report on these issues for the next meeting. Scenarios up to Scenario 2 could be used as a basis for the Stage 3 work.

Slide 52: Priority Service.

Foreseen Completion date was reported as possible by December 2003 as no stage 3 CRs were expected.

Slide 54: QoS Improvements, Policy-based control of DiffServ. Who is supporting this item?

No support for this work was indicated. SA WG2 should check again for support within their members and delete the WI if none is received.

Slide 68: PoC.

It was reported that there would be some consideration on this in SA WG1, although it was not thought that Stage 1 specification work was needed.

Conclusions:

The present Foreseen Completion Dates show that March 2004 could be an appropriate date for freezing Release 6 (22 Features presently anticipated to be completed at this date out of the 29 Features considered). However, the FCD of 12 out of these 29 Features were shifted in the last three month, showing some instability of these dates. The estimates will be more accurate when the Stage 2 will be stable in December. If only one WG meeting is going to take place between two TSGs in 2004 and most of the Features' Stage 2 is to be completed by December, this gives only one WG meeting to complete the Stage 3 for these Features. Is it realistic?

It was recognised that some flexibility would be needed in the freezing of Rel-6 due to the co-operation needed with other bodies (e.g. OMA) for requirements work.

It is proposed to wait until TSG #22 to take a decision on the Rel-6 freezing date.

It was agreed to freeze the requirements for Rel-6 in principle. This means that the acceptance of new requirements into the current Rel-6 work plan from this point forward are not permitted

without ~~strong~~ justification. Therefore, in principle, no new requirements would be accepted for Rel-6 from this point. **It was clarified that any requirements, including those coming from OMA, would be considered on a case-by-case basis and ~~full~~ justification for inclusion would be required. ~~and~~ Hoever, it was noted that the work already directed into SA WG1 or SA WG2 by TSG SA, such as PoC, is already allowed.**
It was agreed that with the Stage 1 work frozen, the status of the Stage 2 (and Stage 3) work will be evaluated at the next meeting in order to determine if a Release 6 freeze date can be determined.

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

TD SP-030526: Overview of Release 5. The MCC Project Plan manager (A. Sultan) presented this compilation of the Release 5 Features which had been produced by MCC. MCC were commended for producing this document and it was agreed to make it available via the 3GPP web site. The document was then noted.

TD SP-030496: Specs status list prior to TSGs#21. This was introduced by the MCC Specifications manager (J. Meredith) and was provided for information and noted. Delegates were asked to provide any comments to the MCC Specifications manager.

TD SP-030497: Status List after TSGs #21. As usual, this will be provided to the 3GPP FTP server after the meeting, incorporating the changes that occurred to the status of specifications at the TSG meetings.

TD SP-030498: CRs to lists of specs. These CRs were approved.

TD SP-030499: CR to 21.900. This was introduced by the MCC Specifications Manager (J. Meredith). Motorola made the following questions and comments:

- Text introduced into one version of the working procedures implies that there could be different working methods for each Release. It was suggested that TR 21.900 should be made Release Independent.
- Text introduces terms not normally used in 3GPP, e.g. *stage 4* terminology for test specs. Normal practice would be to reference ITU I.130 and not to copy text from the referenced document.
- Referring to the references section, it was asked whether TS 21.102 (Rel-4) and TS 41.102 (Rel-4) still exist.
- Consequences if not approved, although not required at this time for Rel-6, it should have a better explanation.

TSG SA noted these comments and the CR was approved. **MCC were asked to bring a new CR to TSG SA meeting #22, making it Release Independent and updating the references appropriately.**

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item. Information on this was provided under agenda item 8.7.

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

TD SP-030518: TR 21.902 version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). It was decided that the maintenance of this TR will be done by TSG SA. Any other TSG or WG may bring CRs to this TR, but it was agreed that any CR should be provided at least 1 week before the start of a TSG SA meeting in order to allow correct preparation for dealing with the CRs at the TSG SA meeting. It was clarified that no changes were expected on this TR until the freezing of Release 6 and therefore CRs were not expected until then.

TD SP-030523: Report of Future Evolution meeting before TSG meetings #21. This was provided by the ~~Chairman~~ Secretary of the Future Evolution meeting (A. Sultan, MCC) and was noted.

TD SP-030519: Release 6 Completion Schedule. This was used in off-line discussions and the document was noted.

TD SP-030520: Evolution and Management of 3GPP specifications beyond Release 6. This was introduced by mmO2 for discussion. ~~There was some debate over the proposed working methods <RETURN text needed for conclusion>~~ The issues raised in the document were covered under discussions of Release 6 and beyond. *It was agreed that there is no need to wait for completion of a Release before freezing a work item's resulting specifications (this principle is covered in TS 21.900). TSG SA noted that more use of this principle could be envisaged after Release 6. Work items should be more independent and "stopped" when complete and not left "open" for changes after the work is complete even though a Release is open.*

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

There were no specific contributions under this agenda item. This was covered under agenda item 8.7.

9.2 Working methods

There were no specific contributions under this agenda item.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

TD SP-030549: MCC report to TSG SA #21. This was presented by the head of MCC (A. Scrase) and provided information on the running of MCC and resource issues. There was some debate over the resources available to MCC and the number of meetings that the WGs require. The TSG Chairman stated that this could not be resolved by TSG SA, as it is a financing issue and the SDOs and ultimately their Members who provide the funding for MCC.

11 Postponed issues from earlier in the meeting

TD SP-030558 Actions following the OMA-3GPP Workshop. This was provided to replace TD SP-030557 which had a reproduction error causing a lack of cover page. This was introduced by Openwave, for information on the OMA-oriented results of the Workshop. It was proposed to make this available for information to the 3GPP PCG. This was agreed. The document was then noted.

12 Work plan and future meetings

TD SP-030545: Invitation to the 3GPP TSG #22 Meetings December 9 - 18, 2003 in Maui, Hawaii, USA. This was provided for information and was noted.

TD SP-030548: TSG Calendar of meetings. This was provided for information and was noted.

TD SP-030547: Logistics of SA plenary meetings (Nortel Networks, T-Mobile). This was introduced by Nortel Networks and proposed to run a 3-day TSG SA meeting from Monday lunch to Thursday lunch as this gives less time away from home for delegates on average. It was recognised that this would not be better for delegates who need to stay over the weekend between plenaries. It was also suggested that the possibility of holding all TSGs in a single week should be considered in the future. The expected work load for 2004 should also be estimated, but this was difficult as it is usually controversial issues which cause long discussions, rather than the number of CRs, TSs/TRs and WIDs. The TSG SA Chairman thought that in cases of contentious issues and technical compatibility problems it is important to have off-line time and the possibility to have ad-hoc activities during the TSG SA meeting. He therefore personally preferred to allocate a 4-day time frame for the TSG SA meetings.

It was decided to re-visit this subject at the December 2003 meeting when the timing needs could be better estimated.

13 Any other business

There were no specific contributions under this agenda item.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and cooperation during the meeting, the Meetings Hosts, Siemens and the Support staff for the excellent facilities provided for the TSG meetings. The TSG SA Chairman thanked Vodafone for the very enjoyable Social Event that they sponsored on the Monday Evening. He then closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

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Chairman	Yun Chao Hu	Ericsson	Yun-Chao.Hu@era.ericsson.se	+ 46 8 508 78153		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	

A.3 TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials:						
Chairman	Francois Courau	Alcatel	francois.courau@alcatel.fr	+33 1 30 77 94 68	+33 1 30 67 94 30	+33 6 08 82 20 22
Vice Chairman	Donald Zelmer	Cingular Wireless LLC	don.zelmer@cingular.com	+1 404 236 5912	+1 404 236 5968	+1 404 625 7659
Vice Chairman	Eisuke Fukuda	Fujitsu	efukuda@jp.fujitsu.com	+81 44 754 4142	+81 44 754 4186	
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	+33 6 74 40 83 64
TSG RAN WG1 Officials:						
Chairman	Dirk Gerstenberger	ERICSSON L.M.	dirk.gerstenberger@era.ericsson.se	+46 8 585 33901	+46 8 508 79600	
Vice Chairman	Masafumi Usuda	NTT DoCoMo	usuda@wsp.yrp.nttdocomo.co.jp	+81 468 40 3190	+81 468 40 3762	
Vice Chairman	Juho Lee	Samsung Electronics	juholee@samsung.com	+82 31 279 5115	+82 31 279 5513	
Secretary	Tsukasa SASAKI	3GPP Support Team	tsukasa.sasaki@etsi.org	+33 4 92 94 43 22		
TSG RAN WG2 Officials:						
Chairman	Denis Fauconnier	Nortel	dfauconn@nortelnetworks.com	+33 1 39 44 52 87	+33 1 39 44 50 12	+33 06 64 04 35 29
Vice Chairman	Francesco Grilli	Qualcomm Europe	fgrilli@qualcomm.com	+1 858 845 3742	+1858 658 2113	
Vice Chairman	Vacancy					
Secretary	Claude ARZELIER	3GPP Support Team	claude.arzelier@etsi.org	+33 4 92 94 42 61	+33 4 92 38 52 61	
TSG RAN WG3 Officials:						
Chairman	Alexander Vesely	Siemens AG	alexander.vesely@siemens.com	+43 5 1707 21318	+43 5 1707 51924	+43 676 379 2624
Vice Chairman	Jim Miller	InterDigital	jim.miller@interdigital.com	+1 516 622 4071	+1 516 622 0100	
Vice Chairman	Cheng Hock Ng	NEC	ngcheng@da.jp.nec.com	+81 471 85 6706	+81 471 85 6863	
Secretary	Joern Krause	3GPP Support Team	joern.krause@etsi.org	+33 4 92 94 42 52		
TSG RAN WG4 Officials:						
Chairman	Howard Benn	Motorola	bennh@ecid.cig.mot.com	+44 1 793 566266	+44 1 793 566225	
Vice Chairman	Takaharu Nakamura	Fujitsu / ARIB	poco@flab.fujitsu.co.jp	+81 44 754 3850		
Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	
3GPP Ad-hoc group on ITU-R (internal) co-ordination:						
Contact person	Nicola Magnani	CSELT	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.4 TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung Electronics	skpark@samsung.com	+82 31 2795300	+82 31 279 5265	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG1 Officials:						
Chairman	Phillip Brown	3	phillip.brown@three.co.uk	+44 1628 765465	+44 1628 766012	+44 7799 628410
Vice Chairman	Dan Fox	Anritsu Ltd	dan.fox@eu.anritsu.com	+44 7909 983357	+44 1582 433 276	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	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	Teleca	ian.harris@teleca.com	+44 1225 481 188		
Vice Chairman	Paul Voskar	Nokia	paul.voskar@nokia.com	+44 1252 867427	+44 1252 865693	+44 7771 980 062
Vice Chairman	Vacancy					
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TSG T WG3 Officials:						
Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Jean-Francois Rubon	Gemplus Card International	jean-francois.rubon@gemplus.com	+33 4 42 36 66 39	+33 4 42 36 41 00	+33 6 88 38 76 65
Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Claus Dietze	3GPP Support Team	claus.dietze@etsi.org	+33 4 9294 42 90	+33 4 92 38 52 90	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Michael Färber	Siemens	michael.faerber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG1 & WG3 Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	José Luis Carrizo Martinez	Vodafone	jose-luis.carrizo@vodafone.co.uk	+44 1635 676093	+44 1635 231847	+44 1635 676093
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 and WG1 ALMALGAMATED:						
TSG GERAN WG4 & WG5 Officials:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman	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
TSG GERAN WG5 and WG4 ALMALGAMATED:						

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030360	Draft Agenda for TSG SA meeting #21	TSG SA Chairman	2	Approval		Approved
SP-030361	Draft Report of TSG SA meeting #20	TSG SA Secretary	3	Approval	SP-030513	Revised in SP-030513 with annexes included in ZIP file
SP-030362	Liaison Statement (from SA WG1)on MMS Requirements	SA WG1	7.1.2	Information		Noted
SP-030363	LS (from ITU-T SG16) to 3GPP and 3GPP2 on basic operators library	ITU-T SG16	6.3	Information		Noted. SA WG4 dealing
SP-030364	LS from ITU-T SG16: Final Report of the Workshop on Telecommunications for Disaster Relief	ITU-T SG16	6.3	Information		Noted. Members asked to review
SP-030365	LS (from ITU-T SG16) on Signalling Requirements for IP-QoS	ITU-T SG16	6.3	Information		Noted. Members asked to review
SP-030366	Liaison Statement (from ITU-T Q.1/SSG) on Status of ITU-T Draft Rec. Q.SNFB	ITU-T Q.1/SSG	6.3	Action		Noted. WGs asked to consider the attached ITU-T Recommendations
SP-030367	LS (from SCaG) on MMS management in the UICC	SCaG	6.3	Information		Noted
SP-030368	LS (from SCaG) on proactive capabilities in the UICC to support MMS management	SCaG	6.3	Action		Members asked to consider this and provide necessary contribution to SA WG1
SP-030369	LS (from SA WG4) on “Assessment of the SES codecs ability to reconstruct speech”	SA WG4	7.4.2	Information		Noted
SP-030370	LS from OMA Requirements WG: Need for OMA Liaison with 3GPP and 3GPP2 re PoC	OMA Requirements WG	6.3	Action		SP-030505 considered. Covered by LS in SP-030530
SP-030371	Presentation Slides: IP QoS Interoperability Issues	SBC Communications, BT	7.2.3	Information		
SP-030372	COMMISSION RECOMMENDATION of 25/07/2003 on the processing of caller location information in electronic communication networks for the purpose of location-enhanced emergency call services	COMMISSION OF THE EUROPEAN COMMUNITIES	6.3	Information		Members asked to consider and provide contribution to WGs. Related contribution in SP-030294
SP-030373	Report of SA2 status	SA WG2	7.2.1	Information		Noted
SP-030374	WITHDRAWN - CRs On 23.002 (Network Architecture)	SA WG2	7.2.3	Approval	SP-030521	Revised in SP-030521
SP-030375	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		CRs 444, 459, 460 and 461 returned to SA2. CRs 442r5, 450r3, 455r1, 456 approved
SP-030376	CRs On 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved
SP-030377	CRs On 23.195 (Early UE handling)	SA WG2	7.2.3	Approval		Approved
SP-030378	CRs On 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030379	CRs On 23.221 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-030380	CRs On 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		CR336R1 and CR337R2 revised in SP-030538. All other CRs approved
SP-030381	CRs On 23.240 (GUP stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030382	CRs On 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030383	WID on "Impacts of Speech Enabled Services on IMS, PS and CS domains"	SA WG2	7.2.3	Approval	SP-030539	Revised in SP-030539
SP-030384	WID on "3GPP Enablers for services like Push to Talk over Cellular (PoC)"	SA WG2	7.2.3	Approval	SP-030540	Revised in SP-030540
SP-030385	WID on "Interworking aspects and migration scenarios for IPv4 based IMS Implementations"	SA WG2	7.2.3	Approval		Approved. 3 and TIM Objected
SP-030386	TR 23.917 v.1.0.0 on "policy control" for information	SA WG2	7.2.3	Information		Noted. Review and comment invited
SP-030387	TR 23.976 v.1.0.0 on "Push architecture" for information	SA WG2	7.2.3	Information		Noted. Review and comment invited
SP-030388	TR 23.851 v.1.0.0 on "Network sharing" for information	SA WG2	7.2.3	Information		Noted. Review and comment invited
SP-030389	TS 23.825 v.1.0.0 on "Architecture aspects on charging" for information	SA WG2	7.2.3	Information		Noted. Review and comment invited
SP-030390	TS 23.246 V 2.0.0 on "MBMS" for approval	SA WG2	7.2.3	Approval		Approved (Rel-6)
SP-030391	TS 23.234 v2.0.0 on "WLAN interworking" for approval	SA WG2	7.2.3	Approval		Not approved. S2 to work on open issues. Working assumption for current text pending report from SA2
SP-030392	Reply LS (from SA WG2) on possible re-organisation of 3GPP charging specification work	SA WG2	7.2.2	Information		Noted
SP-030393	LS Response (from SA WG2) on User Data Management architecture requirements	SA WG2	7.2.2	Information		Noted
SP-030394	Liaison Statement (from OCG EMTEL) on EC Requirements on Emergency Telecommunications	OCG EMTEL	6.3	Action		Noted. E-mail sent to R Forbes by SA Chair
SP-030395	LS from RAN WG3: Remote Control of Electrical Tilting Antennas	RAN WG3	8.2.1	Information		Noted
SP-030396	LS from T WG2: Emergency services using SMS / MMS	T WG2	8.3.1	Action		
SP-030397	Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces	Toshiba	7.8	Information		Presented and noted. SA 3 have not yet discussed or endorsed the proposal
SP-030398	CRs On 23.141 (Presence)	SA WG2	7.2.3	Approval	SP-030541	Revised in SP-030541
SP-030399	WITHDRAWN - Proposed CR to 22.101-640: Clarification of emergency call requirements	Lucent Technologies	7.1.3	Discussion / Approval	SP-030517	Revised in SP-030517

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030400	Status report of SA5 to SA #21	SA WG5	7.5.1	Information		Noted
SP-030401	Rel-5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Removal / Replacement of the term UMTS	SA WG5	7.5.3	Approval		Approved
SP-030402	2 Rel-4/5 CR 32.102 (Telecommunication management; Architecture) : Correction of subclause X.2.1 in Annex C	SA WG5	7.5.3	Approval		Approved
SP-030403	Rel-6 CR 32.102 v530 (Telecommunication management; Architecture): Update to UML repertoire to support more concise modelling of stage 2 specifications	SA WG5	7.5.3	Approval		Approved
SP-030404	Rel-6 CR 32.140 (Services operations management; Subscription management requirements): Correction to Fig. 3 (Architecture for management of Subscription Profile components)	SA WG5	7.5.3	Approval		Approved
SP-030405	New Rel-6 TS 32.141 v2.0.0 (Services operations management; Subscription management architecture)	SA WG5	7.5.3	Approval		Approved (Rel-6)
SP-030406	3 Rel-4/5 CR 32.200 (Charging principles)	SA WG5	7.5.3	Approval		Approved
SP-030407	3 Rel-4 CR 32.205 (Charging data description for the Circuit Switched domain)	SA WG5	7.5.3	Approval		Approved
SP-030408	Rel-5 CR 32.235 (Charging data description for application services) : Correction of content adaptation indication in the MMS Retrieval CDR	SA WG5	7.5.3	Approval		Approved
SP-030409	New Rel-6 TR 32.815 v2.0.0 (Charging management; On-line Charging System (OCS) architecture study)	SA WG5	7.5.3	Approval		Approved. SA5 to remove all but 1 options in section 5.1.1
SP-030410	New Rel-6 TS 32.251 v1.0.0 (Charging Management; Packet Switched (PS) domain charging)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030411	New Rel-6 TS 32.271 v1.0.0 (Charging Management; Location Service (LCS) Charging)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030412	New Rel-6 TS 32.270 v1.0.0 (Charging Management; Multimedia Messaging Service (MMS) charging)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030413	New Rel-6 TS 32.298 v1.0.0 (Charging Management; Charging Data Record (CDR) Parameter Description)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030414	Rel-5 CR 32.615 (Configuration Management; Bulk CM IRP: XML file format definition) : Add missing Activities to Session Log XML	SA WG5	7.5.3	Approval		Approved
SP-030415	Rel-4 CR 32.303 (Configuration Management; Notification IRP: CORBA solution set): Incorporation of version handling, adopting release 5 agreements	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030416	2 Rel-4/5 CR 32.111-4 (Fault Management; Part 4: Alarm IRP: CMIP solution set): Correction of syntax error in type SetComment	SA WG5	7.5.3	Approval		Approved
SP-030417	2 Rel-4/5 CR 32.624 (Configuration Management; Generic network resources IRP: CMIP solution set): Rel-4/5 alignement of OIDs of some attributes and name bindings	SA WG5	7.5.3	Approval		Approved
SP-030418	6 Rel-5 CR 32.652/3/4/5, 32.615/645: Inclusion of External BSS Function in in GERAN/UTRAN	SA WG5	7.5.3	Approval		Approved
SP-030419	2 Rel-4/5 CR 32.632 (Configuration Management; Core Network IRP: Network Resource Model): Correction of IOCs Notifications	SA WG5	7.5.3	Approval		Approved
SP-030420	Rel-5 CR 32.644 (Configuration Management; UTRAN network resources IRP: CMIP solution set): Correction of wrong attribute name	SA WG5	7.5.3	Approval		Approved
SP-030421	Rel-5 CR 32.674 (Configuration Management; State ManagementIRP: CMIP solution set): Addition of the missing OID for ts32-674Package	SA WG5	7.5.3	Approval		Approved
SP-030422	New Rel-6 TS 32.350 v1.0.0 (Communication Surveillance (CS) requirements)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030423	New Rel-6 TS 32.361 v1.0.0 (Entry Point (EP) Integration Reference Point (IRP): Requirements)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030424	New Rel-6 TS 32.362 v1.0.0 (Entry Point (EP) Integration Reference Point (IRP): Information service)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030425	New Rel-6 TS 32.363 v1.0.0 (Entry Point (EP) Integration Reference Point (IRP): CORBA solution set)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030426	New Rel-6 TS 32.681 v1.0.0 (Inventory Management (IM) Integration Reference Point (IRP): Requirements)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030427	New Rel-6 TS 32.695 v1.0.0 (Inventory Management (IM) network resources Integration Reference Point (IRP): XML file format definition)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030428	New Rel-6 TS 32.711 v1.0.0 (Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030429	New Rel-6 TS 32.712 v1.0.0 (Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information service)	SA WG5	7.5.3	Information		Noted. Comments invited to SA5
SP-030430	3 Rel-6 CR 32.401 (Performance Management (PM); Concept and requirements)	SA WG5	7.5.3	Approval		Approved
SP-030431	6 Rel-4/5/6 CR 32.403 (Performance Management; Performance measurements - UMTS and combined UMTS/GSM)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030432	Rel-6 CR 32.411 (Performance Management (PM) Integration Reference Point (IRP): Requirements): Expansion of the requirements for threshold alarms on bounded variables	SA WG5	7.5.3	Approval		Approved
SP-030433	SA WG4 Status Report at TSG SA#21	SA WG4 Chairman	7.4.1	Information		Noted
SP-030434	Test and processing plan for default codec evaluation for speech enabled services (SES)	SA WG4	7.4.1	Information		Noted
SP-030435	Test Plan for the AMR Narrow-Band Packet Switched Conversation test	SA WG4	7.4.1	Information		Noted
SP-030436	Test Plan for the AMR Wide-Band Packet Switched Conversation test	SA WG4	7.4.1	Information		Noted
SP-030437	AMR-WB+ and PSS/MMS Low-Rate Audio Selection Test and Processing Plan	SA WG4	7.4.1	Information		Noted
SP-030438	PSS/MMS High-Rate Audio Selection Test and Processing Plan	SA WG4	7.4.1	Information		Noted
SP-030439	Funding of Audio Codec Testing	SA WG4	7.4.1	Information		Noted
SP-030440	Recommendation Criteria for Default Codec for Speech Enabled Services (SES)	SA WG4	7.4.3	Approval		recommendation criteria approved
SP-030441	WITHDRAWN - PSS/MMS Audio Codec and Extended AMR-WB, Selection Rules					WITHDRAWN - not approved
SP-030442	Updated Work Item Description on Definition of MBMS user services, media codecs, formats and transport/application protocols using Multimedia Broadcast/Multicast Service (MBMS) (Release 6)	SA WG4	7.4.3	Approval		Approved - consider splitting S1 MBMS Feature
SP-030443	TR 26.937 on "RTP usage model" v. 2.0.0 (Release 5)	SA WG4	7.4.3	Approval		Approved (Rel-5)
SP-030444	CRs to TS 26.073 - Correction of the MMS_IO flag (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030445	CR to TS 26.132 - Loudness rating measurements at lower bit rates (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030446	CRs to TS 26.173 - Possible decoder LPC coefficients overflow (Rel 5)	SA WG4	7.4.3	Approval		Approved
SP-030447	CR to TS 26.204 - Possible decoder LPC coefficients overflow (Release 5)	SA WG4	7.4.3	Approval		Approved. Headers refer to worng spec (editorial error)
SP-030448	CRs to TS 26.234 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030449	CRs to TS 26.236 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030450	CR to TS 26.976 - Reference to incorrect test results (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030451	CR to TS 28.062 - Removal of Pre-Handover Notification for UMTS (Release 5)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030452	Presentation of SA1 to SA #21	SA WG1 Chairman	7.1.1	Information		Presented and Noted
SP-030453	Status report of SA1 to SA #21	SA WG1 Chairman	7.1.1	Information		Noted
SP-030454	WITHDRAWN - CRs to 22.101 on Modification of emergency number identification rules (R99, Rel-4, Rel-5, Rel-6)	SA WG1	7.1.3	Approval	SP-030492	Replaced by SP-030492
SP-030455	CRs to 22.071 on Correction of requirements on the identity format of LCS clients (Rel-4, Rel-5 and Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030456	CRs to 21.905 on to correct the Defintion of CDR (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030457	CRs to 22.101 on Clarification on USIM-based access to IMS (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030458	CR to 22.078 to align stage 1 with stage 2 & stage 3 (Rel-5)	SA WG1	7.1.3	Approval		Approved. "Comment boxes" not be used in CRs again
SP-030459	Assorted CRs to 22.071 on Location Services (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030460	Assorted CRs to 22.140 on MMS (Rel-6)	SA WG1	7.1.3	Approval		CR035 Approved. CR037 postponed for clarification - provided in SP-030542
SP-030461	CRs to 22.140 and 22.038 on MM storage in the USIM (Rel-6)	SA WG1	7.1.3	Approval		Agreed that the Storage and retrieval of MMs, Templates, etc. is a desirable feature and work on a technical solution should be progressed. CR036 revised in SP-030550
SP-030462	CR to 22.078 on criteria for "change of position" procedures in CAMEL (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030463	Assorted CRs to 22.934 on Wireless LAN (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030464	CRs to 22.041 on ODB and WLAN (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030465	CR to 22.228 to clarify the meaning of Access Independence	SA WG1	7.1.3	Approval		Approved
SP-030466	Assorted CRs to 22.233 on Packet-switched streaming service (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030467	Assorted CRs to 22.115 on Service Aspects Charging and billing (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030468	CR to 22.243 on Speech recognition framework for automated voice services (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030469	CR to 22.240 on Generic User Profile (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030470	Priority Service Guide (22.952) for information	SA WG1	7.1.3	Information		Noted. Review and comment invited

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030471	IMS Subscription and access scenarios (22.800) for approval	SA WG1	7.1.3	Approval		Approved (Rel-6)
SP-030472	Updated WI for GUP	SA WG1	7.1.3	Approval	SP-030536	Revised in SP-030536
SP-030473	SA WG3 Status Report at TSG SA#21	SA WG3 Chairman	7.3.1	Information		Noted
SP-030474	Draft Report of SA WG3 meeting #29	SA WG3 Secretary	7.3.1	Information		Noted
SP-030475	CR to 33.102: Clarification on the usage of the c3 conversion function (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030476	2 CRs to 33.102: [LATE_UE] - IMEISV retrieval before completion of security mode setup procedure; Mitigation against a man-in-the-middle attack associated with early UE handling (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030477	CR to 33.106: References (Rel-6)	SA WG3	7.3.3	Approval		Postponed. LI group to check changes in ref [10] do not introduce functional change
SP-030478	CR to 33.107: Missing QoS Parameter in IRI (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030479	2 CRs to 33.107: TEL URL for IMS interception identity (Rel-6); Stereo delivery to LEMF (Rel-6)	SA WG3	7.3.3	Approval		Approved. CR033 as Cat "F"
SP-030480	6 Release 6 CRs to 33.108 (Rel-6)	SA WG3	7.3.3	Approval	SP-030508	Revised in SP-030508 written to correct base versions
SP-030481	2 CRs to 33.108: Syntax error in Annex B.3 (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval	SP-030509	Revised in SP-030509 written to correct base versions
SP-030482	2 CRs to 33.108: Reference errors in Annex G (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030483	CR to 33.203: Introducing Cipher key Expansion for IMS (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030484	CR to 33.203: Modification of the security association lifetime management (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030485	CR to 33.203: Annex H in 33.203 (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030486	CR to 33.203: Security association handling, behaviour of SIP over TCP and re-authentication (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030487	CR to 33.203: Introducing Confidentiality Protection for IMS (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030488	2 CRs to 33.210: Change of IKE profiling (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030489	2 CRs to 33.210: Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554 (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030490	CR to 55.216: Clarification on the usage of the Key length (Rel-6)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030491	WID: Key Management of group keys for Voice Group Call Services	SA WG3	7.3.3	Approval		Approved as Feature
SP-030492	CRs to 22.101 on Modification of emergency number identification rules (R99, Rel-4, Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030493	LS from ITU-T SG11: Consent of Q.2630.3, Q.2631.1, and Q.2632.1	ITU-T SG11	6.3	Information		Noted
SP-030494	LS from ITU-T SG11: Electronic Meeting on Signalling Requirements for IP-QOS	ITU-T SG11	6.3	Information		Noted
SP-030495	3GPP Work Plan before TSG Plenaries #21	MCC Work Plan Manager (A Sultan)	8.6	Information	SP-030524	Revised in SP-030524
SP-030496	Specs status list prior to TSGs#21	MCC (J Meredith)	8.7	Information		Noted
SP-030497	Status List after TSGs #21	MCC (J Meredith)	8.7	Information		To be provided after meeting
SP-030498	CRs to lists of specs	MCC (J Meredith)	8.7	Approval		Approved
SP-030499	CR to 21.900	MCC (J Meredith)	9.2	Approval		Approved
SP-030500	WITHDRAWN Logistics of SA plenary meetings	Nortel Networks, T-Mobile	12	Discussion	SP-030547	Revised in SP-030547
SP-030501	3GPP Dependencies on OMA Deliverables	Nortel Networks	7.8	Information		Iain Sharpe to maintain dep. List. To be added to Work Plan
SP-030502	Draft Report of TSG CN Meeting #21	TSG CN Secretary	8.1.1	Information	SP-030537	Revised in SP-030537
SP-030503	Presentation of highlights from TSG CN meeting #21	TSG CN Chairman	8.1.1	Information		Noted
SP-030504	IETF status report	TSG CN Chairman	8.1.1	Information		Noted
SP-030505	Proposal for a Liaison Statement to OMA on principles for overlapping issues with OMA regarding PoC	TSG CN	8.1.2	Discussion / Approval		Used as basis for LS in SP-030530
SP-030506	Specification format for mandatory audio codec	Coding Technologies	7.4.2	Discussion / Approval		Noted. Method not accepted
SP-030507	LS (from GSMA SerG) to 3GPP SA Concerning the Handling of Emergency Calls on 3G Networks	GSMA SerG	6.3	Action		SA WG1 should look at the requirements and take the request of SerG into account
SP-030508	6 Release 6 CRs to 33.108 (Rel-6)	SA WG3	7.3.3	Approval		Approved CR020R1 and CR014R1 as Cat "F"
SP-030509	2 CRs to 33.108: Syntax error in Annex B.3 (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030510	LS (from TSG RAN) on the documents to be considered for the Revision 4 of Recommendation ITU-R M.1457	TSG RAN	4	Action		To be considered with SP-030522. Noted. TSG SA endorsed the list of documents.
SP-030511	Draft TS 22.246 v1.0.0: MBMS User Services	SA WG1	7.1.3	Information		Noted. Review and comments invited
SP-030512	TSG GERAN Status Report to TSG SA#21	TSG GERAN Chairman	8.4.1	Information		Noted
SP-030513	Draft Report of TSG SA meeting #20	TSG SA Secretary	3	Approval		Annexes added to ZIP file. Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030514	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-5)~~ terminals	mmO2, Vodafone, Cingular, T-Mobile, Swisscom, KPN	7.1.3	Discussion / Approval	SP-030533, SP-030543	Company input to TSG SA. Revised to make a note in SP-030533, alternative proposal in SP-030543
SP-030515	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-6)~~ terminals	mmO2	7.1.3	Discussion / Approval	SP-030534, SP-030544	Company input to TSG SA. Revised to make a note in SP-030534, alternative proposal in SP-030544
SP-030516	Joint 3GPP-OMA discussions: Key points	Workshop Chairman	6.3	Information		Members expected to facilitate co-operation between 3GPP and OMA
SP-030517	Proposed CR to 22.101-640: Clarification of emergency call requirements (Rel-6)	Lucent Technologies, Siemens, Nokia	7.1.3	Discussion / Approval		Company input to TSG SA. Returned to SA1 for further elaboration and agreement
SP-030518	TR 21.902 version 2.0.0	Evolution Ad-hoc	8.9	Approval		Approved (Rel-6) under TSG SA control
SP-030519	Release 6 Completion Schedule	O2	4, 8.8	Discussion		Introduced in 4, discussion in 8.8. Noted
SP-030520	Evolution and Management of 3GPP specifications beyond Release 6	O2	4, 8.9	Discussion		Introduced in 4, discussion in 8.9.
SP-030521	CRs On 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-030522	Documentation from TSG RAN to ITU-R WP8F	3GPP Support	4	Information		Documents to be provided with SP-030510. Noted
SP-030523	Report of Future Evolution meeting at TSG 21	MCC (A Sultan)	8.9	Information		Noted
SP-030524	Work Plan version September 16th 2003	MCC (A Sultan)	8.8	Information		Noted
SP-030525	Slide Presentation of the Work Plan, including results from TSG CN, RAN and T meeting #21	MCC (A Sultan)	8.8	Information	SP-030556	Presented and discussed. Update in SP-030556
SP-030526	Overview of Release 5	MCC (A Sultan)	8.7	Information		Noted
SP-030527	Inter-network accounting for BS30 based services such as video telephony	T-Mobile, Vodafone	7.8	Discussion		Accepted in principle. Updated version may be submitted at next meeting following discussion
SP-030528	Proposed LS from SA to 3GPP2 Plenary, OMA TP on proposed workshop on MMS Standardisation Management	TSG T Secretary	8.3.1	Approval	SP-030546	Updated in SP-030546
SP-030529	TSG-T#21 Progress Report	TSG T Chairman	8.3.1	Information		Noted
SP-030530	LS to OMA REQ WG, OMA POC WG (Copied to SA1, SA2, CN1, CN3, CN4) on Need for OMA Liaison with 3GPP and 3GPP2 re PoC	TSG SA	6.3	Approval		Approved
SP-030531	Presentation of highlights from TSG RAN meeting #21	TSG RAN Chairman	8.2.1	Information		Noted
SP-030532	Draft Report of TSG RAN meeting #21	TSG RAN Secretary	8.2.1	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030533	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-5)~~ terminals	mmO2, Vodafone, Cingular, T-Mobile, Swisscom, KPN	7.1.3	Discussion / Approval		Alternative proposal in SP-030543. This CR approved
SP-030534	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-6)~~ terminals	mmO2	7.1.3	Discussion / Approval		Alternative proposal in SP-030544. This CR approved
SP-030535	TR25.803 v1.0.0 "S-CCPCH performance for MBMS"	TSG RAN	8.2.1	Information		Noted
SP-030536	Updated WI for GUP	SA WG1	7.1.3	Approval	SP-030553	Revised in SP-030553
SP-030537	Draft Report of TSG CN Meeting #21	TSG CN Secretary	8.1.1	Information		Noted
SP-030538	CR336R2 and CR337R3 to 22.338: IMS-SIP interworking	SA WG2	7.2.3	Approval		Approved
SP-030539	WID on "Impacts of Speech Enabled Services on IMS, PS and CS domains"	SA WG2	7.2.3	Approval		Approved
SP-030540	WID on "3GPP Enablers for services like Push to Talk over Cellular (PoC)"	SA WG2	7.2.3	Approval		Approved. S1 and S2 asked to start work on this WI and liaise to OMA
SP-030541	CRs On 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-030542	22.140CR037r1 on MMS (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030543	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-5)~~ terminals	mmO2, Vodafone, Cingular, T-Mobile, Swisscom, KPN	7.1.3	Discussion / Approval		Rejected
SP-030544	CR to 22.101: Support for ≤ Rel-4 SIM in ≥ Rel-5 ~~(Rel-6)~~ terminals	mmO2	7.1.3	Discussion / Approval		Rejected
SP-030545	INVITATION TO THE 3GPP TSG #22 MEETINGS DECEMBER 9 - 18, 2003 IN MAUI, HAWAII, USA	MCC	12	Information		Noted
SP-030546	LS from SA to 3GPP2 Plenary, OMA TP on proposed workshop on MMS Standardisation Management	TSG SA	8.3.1	Approval		Revised in SP-030554
SP-030547	Logistics of SA plenary meetings	Nortel Networks, T-Mobile	12	Discussion		Noted. To be revisited at next meeting
SP-030548	TSG Calendar of meetings	MCC	12	Information		Noted
SP-030549	MCC report to TSG SA #21	MCC (A Scrase)	10	Information		Noted
SP-030550	22.140 CR136R1: MM storage in the USIM (Rel-6)	mmO2 TIM Slumberger	7.1.3	Approval		Revised in SP-030552
SP-030551	22.140 CR038: UICC interactions with MMS clients	mmO2 TIM Slumberger	7.1.3	Approval		Forwarded to S1 and T3 for clarification and checking
SP-030552	22.140 CR136R2: MM storage in the USIM (Rel-6)	mmO2 TIM Slumberger	7.1.3	Approval		Approved
SP-030553	Updated WI for GUP	SA WG1	7.1.3	Approval		Approved
SP-030554	LS from SA to 3GPP2 Plenary, OMA TP on proposed workshop on MMS Standardisation Management	TSG SA	8.3.1	Approval		Approved
SP-030555	On the issue of specification format in the Rel-6 PSS Audio codec selection	NEC	7.4.2	Discussion		Noted. Method not accepted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030556	Slide Presentation of the Work Plan, including results from TSG CN, RAN and T meeting #21	MCC (A Sultan)	8.8	Information		Noted
SP-030557	WITHDRAWN Actions following the OMA-3GPP Workshop	3, Openwave	11	Information	SP-030558	Withdrawn, new version with cover sheet included
SP-030558	Actions following the OMA-3GPP Workshop	3, Openwave	11	Information		Noted. To be forwarded to PCG for information

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

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135 Participants

C.2 List of eligible Voting members for TSG SA#22

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #19 or #18 (representation of an Individual Member at any of TSG SA Meetings #19, #20 or #21).

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

List Created on: 30 September 2003

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #21**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.org

Organisation Name	Organisation Status	Country
3	3GPPMEMBER - ETSI	GB
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
BT Group Plc	3GPPMEMBER - ETSI	GB
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
Dolby Laboratories Inc.	3GPPMEMBER - ETSI	GB
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Elisa Communications Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS S.A.	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
GROUPE CEGETEL	3GPPMEMBER - ETSI	FR
HEWLETT-PACKARD France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
INTEL CORPORATION SARL	3GPPMEMBER - ETSI	FR
INTERDIGITAL COMMUNICATIONS CORPORATION	3GPPMEMBER - ETSI	US
J-Phone Co., Ltd.	3GPPMEMBER - ARIB	JP
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies	3GPPMEMBER - T1	US
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MARCONI COMMUNICATIONS	3GPPMEMBER - ETSI	GB
Matsushita Mobile Communication Development of Europe Limited (MMCDE)	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MELCO MOBILE COMMUNICATIONS EUROPE S.A.	3GPPMEMBER - ETSI	FR
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
NANJING ERICSSON PANDA COMMUNICATIONS LTD	3GPPMEMBER - CCSA	CN
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC Electronics (Europe) GmbH	3GPPMEMBER - ETSI	DE

Organisation Name	Organisation Status	Country
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
Nippon Ericsson K.K.	3GPPMEMBER - TTC	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
NOKIA KOREA	3GPPMEMBER - TTA	KR
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - T1	US
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
OFCOM	3GPPMEMBER - ETSI	CH
ÖFEG - Österreichisch Fernmeldetechn. Entwicklungs-Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
Panasonic Mobile Communications Co.,Ltd.	3GPPMEMBER - ARIB	JP
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
Research Institute for Transmission and Telecommunication	3GPPMEMBER - ETSI	CN
RITT	3GPPMEMBER - CCSA	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - T1	US
SchlumbergerSema - Schlumberger Systèmes S.A	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
Sony Ericsson Mobile Communications Japan, Inc	3GPPMEMBER - ARIB	JP
SWISSCOM SA	3GPPMEMBER - ETSI	CH
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - T1	US
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
VIPnet d.o.o	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB

Total: 104 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #21

D.1 Release 1999 GSM Specifications and reports

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

Type	Number	Title	Ver at TSG#21	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.11.1	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
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	
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	
TS	03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	8.5.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.7.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	

Type	Number	Title	Ver at TSG#21	Rel	TSG/ WG	Editor	Comment
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TR	03.55	Dual Transfer Mode (DTM); Stage 2	8.1.0	R99	G1	CARRIZO MARTINEZ, Jose Luis	
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	8.11.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.3.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.3.0	R99	N1	MÜNNING, Dirk	
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.7.0	R99	S2	BROOK, Richard	
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.5.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.19.0	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	
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.11.0	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	
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	

Type	Number	Title	Ver at TSG#21	Rel	TSG/ WG	Editor	Comment
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	8.20.0	R99	G2	BLACK, Jyoti	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	DOIG, Ian	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.7.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.11.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.7.0	R99	G1	SÉBIRE, Benoist	
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.16.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.18.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.12.0	R99	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	
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	
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	

Type	Number	Title	Ver at TSG#21	Rel	TSG/ WG	Editor	Comment
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	
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	
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	8.10.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#21	Rel	TSG/ WG	Editor	Comment
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	
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	8.3.0	R99	G3new	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.5.0	R99	T3	SALMERON, Lidia	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4).
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.10.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.1	R99	T3	LLOBREGAT, Fernando	
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.14.0	R99	T3	WOODSEND, Kristian	
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G1	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.12.0	R99	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
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	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.900	Technical Specification Group working methods	3.6.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	Transfer>TSG#4

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	EVEN, Anne	
TS	22.101	Service aspects; Service principles	3.15.0	R99	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	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	LAUMEN, Josef	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	
TS	23.002	Network architecture	3.6.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	3.13.0	R99	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	3.5.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.8.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.14.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	3.9.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1		
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	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	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.15.0	R99	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	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	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.18.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
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)	3.10.0	R99	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
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	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.9.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.17.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.0	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	

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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)	3.15.0	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	UTRA (BS) TDD: Radio transmission and reception	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)	3.13.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.15.0	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	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.8.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	3.13.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.11.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.16.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	3.13.0	R99	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.10.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.9.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	3.16.0	R99	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	3.16.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.7.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.16.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	TOWNEND, Richard	Approval at TSG#5

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TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	3.14.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.0	R99	R3	RUNE, Göran	
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	3.7.0	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	3.10.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	R99	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	3.14.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	3.9.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	BULDORINI, Andrea	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.3.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	3.0.0	R99	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4

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TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.5.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.13.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.13.0	R99	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	
TS	29.002	Mobile Application Part (MAP) specification	3.18.0	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)	3.13.0	R99	N3	KLEHN, Norbert	

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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)	3.11.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	MILLS, Duncan	
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	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.17.0	R99	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.13.0	R99	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	OSA subgroup
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	3.14.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.10.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.7.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.6.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.6.0	R99	S5	ALEXANDER, Benni	
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.11.0	R99	S5	ALEXANDER, Benni	
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.6.0	R99	S5	HÜBINETTE, Ulf	
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Poin (IRP)t; Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) solution set	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP): Information model (including Network Resource Model NRM))	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
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	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.12.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.9.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.14.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.11.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.3.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

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

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

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	4.9.0	Rel-4	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	4.1.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.3.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	4.0.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.5.0	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.8.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	4.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	23.002	Network architecture	4.8.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	4.7.0	Rel-4	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	4.1.1	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	4.8.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.3.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1		
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.8.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.8.0	Rel-4	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	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	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.10.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.

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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 realisation of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	4.9.0	Rel-4	N4	HODGES, Phil	New after TSG#5
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.7.0	Rel-4	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.10.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.908	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	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.12.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.0	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	
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	

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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)	4.9.0	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	UTRA (BS) TDD: Radio transmission and reception	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	4.6.0	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)	4.10.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.10.0	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)	4.8.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	4.8.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.3.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.6.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	4.9.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.7.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.4.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.8.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	4.7.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.6.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.8.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	4.9.0	Rel-4	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	4.10.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.3.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.11.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5

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TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	4.1.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.10.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.6.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.9.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	4.2.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.10.0	Rel-4	R3	RUNE, Göran	
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	4.3.0	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	4.4.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.4.0	Rel-4	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	4.0.0	Rel-4	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	4.10.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.5.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	4.6.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	BULDORINI, Andrea	

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TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99.
TR	25.931	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	
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
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	MOLANDER, Anders	
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.0.0	Rel-4	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	
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	

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TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.2.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.11.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.6.0	Rel-4	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	4.13.0	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)	4.9.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.6.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	MILLS, Duncan	
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	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.9.0	Rel-4	N4	KYMALAINEN, Kimmo	

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TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	4.8.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.3	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.6.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.8.0	Rel-4	N5	BENNETT, Andy	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.7.0	Rel-4	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.5.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.7.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.4.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.4.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.8.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	SANDERS, David	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	

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TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.2	Rel-4	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.1.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	4.10.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.11.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.6.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.4.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	4.6.0	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.5.0	Rel-4	S5	ALEXANDER, Benni	

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TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.5.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.0.2	Rel-4	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	4.0.1	Rel-4	S5	TSE, Edwin	was 32.112-2
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.3.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.5.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1

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TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.3.0	Rel-4	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.3.0	Rel-4	S5	PETERSEN, Robert	was 32.622-2

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TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.5.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4
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	
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	
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	
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.8.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.5.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	4.1.0	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.9.0	Rel-4	T1	MAUCKSCH, Thomas	

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TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SALMERON, Lidia	
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	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.2.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
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	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.9.0	Rel-4	SP	MEREDITH, John M	
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	

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TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.3.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.5.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.4.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.3.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.15.0	Rel-4	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
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)	4.7.0	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	4.13.0	Rel-4	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical layer on the radio path; General description	4.2.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.13.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.12.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.5.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.10.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.5.0	Rel-4	G2	BLACK, Jyoti	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
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 Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.8.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.9.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.0.1	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	4.2.0	Rel-4	T3	WOODSEND, Kristian	
TS	51.021	GSM radio aspects base station system equipment specification	4.4.0	Rel-4	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G1	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	4.0.0	Rel-4	G1	TRUSS, Michael	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402.

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

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1		
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4.

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.4.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	
TR	21.801	Specification drafting rules	5.0.2	Rel-5	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	5.0.1	Rel-5	SP	MEREDITH, John M	
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	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	TP-12: was previously 42.048.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	5.2.0	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	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	5.11.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	5.11.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	5.2.0	Rel-5	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	5.3.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	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	LAUMEN, Josef	(development in T2)
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	SP-16: to "GERAN" set.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	
TS	23.002	Network architecture	5.12.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	5.7.0	Rel-5	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	5.6.0	Rel-5	N4	BAUER, Rolf	
TS	23.009	Handover procedures	5.6.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	
TS	23.012	Location management procedures	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	5.2.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	5.8.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1		
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	5.6.1	Rel-5	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.1.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	5.7.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.6.0	Rel-5	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.2.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	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	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.5.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.3.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	

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TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.10.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	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); Stage 2	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
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	5.8.0	Rel-5	T2	LAUMEN, Josef	
TS	23.146	Technical realisation 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	5.6.0	Rel-5	N4	HODGES, Phil	New after TSG#5
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.2.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.1.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.6.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.8.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.6.0	Rel-5	N1	DRAGE, Keith	
TS	23.221	Architectural requirements	5.8.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.10.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.8.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.4.0	Rel-5	N2	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.

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TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.1.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.9.0	Rel-5	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.4.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.4.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
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	5.6.0	Rel-5	N1	KISS, Krisztian	
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	5.6.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	5.8.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	5.5.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	5.7.0	Rel-5	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.4.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	5.6.0	Rel-5	R4	NILSSON, Martin	

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TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.4.0	Rel-5	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	5.6.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.8.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	5.7.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	5.5.0	Rel-5	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	5.6.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	5.2.0	Rel-5	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.5.0	Rel-5	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	5.6.0	Rel-5	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	5.4.0	Rel-5	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	5.6.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	5.5.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	5.5.0	Rel-5	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	5.6.0	Rel-5	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	5.5.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	5.2.0	Rel-5	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	5.6.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	5.1.0	Rel-5	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	5.3.0	Rel-5	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.7.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.6.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.4.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.6.0	Rel-5	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	5.6.0	Rel-5	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	5.3.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.6.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	5.6.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	5.2.0	Rel-5	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.3.0	Rel-5	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	5.1.0	Rel-5	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.6.0	Rel-5	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.4.0	Rel-5	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	5.3.0	Rel-5	R3	MAUPIN, Alain	

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TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.5.0	Rel-5	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.1.0	Rel-5	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.7.0	Rel-5	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.2.0	Rel-5	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.5.0	Rel-5	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.3.0	Rel-5	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.2.0	Rel-5	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.2.0	Rel-5	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	5.1.0	Rel-5	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	5.6.0	Rel-5	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.2.0	Rel-5	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.5.0	Rel-5	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	RECKER, Stephan	
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	LIN, Ie-Hong	
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.7.0	Rel-5	R3	LIN, Ie-Hong	
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		
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	ISOKANGAS, Jari	2003-01: title changed from "Traffic termination point swapping" some time ago.
TR	25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	
TR	25.882	1,28 Mcps TDD option base station classification	5.0.0	Rel-5	R4	MEYER, Juergen	
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena Eva	Previous rapporteur: Shahrokh Amirijoo.

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TR	25.921	Guidelines and principles for protocol description and error handling	5.2.0	Rel-5	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	5.1.0	Rel-5	R2	BULDORINI, Andrea	
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	
TR	25.933	IP transport in UTRAN	5.3.0	Rel-5	R3	DREVON, Nicolas	
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	
TR	25.945	RF requirements for low chip rate TDD option	5.0.0	Rel-5	R4	ZHANG, Daijun	
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.0.0	Rel-5	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	5.2.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	5.0.1	Rel-5	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	5.2.0	Rel-5	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	5.4.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.2.0	Rel-5	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.1.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.4.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.2.0	Rel-5	S4	CASTAGNO, Roberto	
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.8.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	

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TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.2.0	Rel-5	S4	N, A	
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	5.6.0	Rel-5	S4	FRANCESCHI, Olle	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.4.0	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	6.0.0	Rel-5	S4	VARSA, Viktor	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.1.0	Rel-5	S4	VAINIO, Janne	Cf 26.975.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.7.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	5.4.0	Rel-5	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.5.0	Rel-5	N3	WILD, Johanna	GPRS

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TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	REX, Thomas	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.4.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	5.7.0	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)	5.7.0	Rel-5	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.4.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	MILLS, Duncan	
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	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.7.0	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)	5.7.0	Rel-5	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.5.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.3.0	Rel-5	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.3.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.4.0	Rel-5	N5	BENNETT, Andy	
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	5.4.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	5.4.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	5.4.0	Rel-5	N5	BAKKER, John-Luc	

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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)	5.4.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.3.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.4.0	Rel-5	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.4.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.3.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.3.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.2.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	5.3.0	Rel-5	N5	VENKATESH, Guda	
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	5.5.0	Rel-5	N3	YOKOTA, Daisuke	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.5.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.5.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.5.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.6.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.2.0	Rel-5	N2	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.5.0	Rel-5	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh.
TS	29.329	Sh interface based on the Diameter protocol	5.4.0	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	SANDERS, David	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	N5	UNMEHOPA, Musa	

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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	UNMEHOPA, Musa	
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.0	Rel-5	N5	UNMEHOPA, Musa	Evidence for existance unearthed in N5-020143.
TR	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	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	
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	UNMEHOPA, Musa	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.1	Rel-5	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.1.0	Rel-5	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	5.6.0	Rel-5	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.4.0	Rel-5	T3	N, A	
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.5.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	none	Rel-5	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TR	31.900	SIM/USIM internal and external interworking aspects	5.3.0	Rel-5	T3	KALINER, Stefan	
TS	32.101	Telecommunication management; Principles and high level requirements	5.5.0	Rel-5	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	5.4.0	Rel-5	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	5.4.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts

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TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.4.0	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.6.0	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	5.5.0	Rel-5	S5	GOERMER, Gerald	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.4.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.4.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.3.0	Rel-5	S5	TEPPO, Patrik	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.4.0	Rel-5	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	5.1.0	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-2
TS	32.321	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	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.0.1	Rel-5	S5	TSE, Edwin	
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.2.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)

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TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.4.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	5.0.1	Rel-5	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	5.1.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	5.1.1	Rel-5	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.2.0	Rel-5	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.1.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.620-4

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TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.1.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.4.0	Rel-5	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.1.0	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.2.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.2.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.2.0	Rel-5	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	RAYMER, David	was 32.623-3

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TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.623-4
TS	32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.2.0	Rel-5	S5	BONNEAU, Frédéric	
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	5.0.0	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	5.1.0	Rel-5	S5	PAL, Tapinder	
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
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	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	5.1.0	Rel-5	S5	RAYMER, David	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	ZOICAS, Adrian	
TS	33.102	3G security; Security architecture	5.3.0	Rel-5	S3	BLOMMAERT, Marc	
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)	5.5.0	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).

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TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
TS	33.203	3G security; Access security for IP-based services	5.7.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.5.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.3.0	Rel-5	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	5.1.0	Rel-5	T1	HIGUCHI, Kenji	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.5.0	Rel-5	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.5.0	Rel-5	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.3.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	5.1.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	5.0.0	Rel-5	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	5.4.0	Rel-5	SP	MEREDITH, John M	

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TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	5.0.0	Rel-5	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.6.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	5.1.0	Rel-5	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.10.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	5.0.0	Rel-5	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	5.2.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.3.1	Rel-5	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	5.2.0	Rel-5	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	5.2.0	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	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	

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TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.2.0	Rel-5	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.12.0	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)	5.6.0	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	5.8.0	Rel-5	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.1.0	Rel-5	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	5.6.0	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	5.6.1	Rel-5	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2.
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	2003-07-03 (JMM): WI UID 23011?. See also 25.901.
TS	45.001	Physical layer on the radio path; General description	5.6.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	5.11.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.8.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.1	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.9.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.12.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.5.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	5.3.0	Rel-5	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	5.0.0	Rel-5	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	

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TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	5.0.0	Rel-5	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	

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TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.10.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.7.0	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 Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.6.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.5.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	5.5.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	5.0.1	Rel-5	T3	LLOBREGAT, Fernando	
TS	51.021	GSM radio aspects base station system equipment specification	5.3.0	Rel-5	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G1	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	5.0.0	Rel-5	G1	TRUSS, Michael	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

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

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	MATARASSO, Carlo	
TR	25.876	Multiple-Input Multiple-Output Antennae	1.1.0	Rel-5	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title
TR	25.890	High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)	1.0.0	Rel-5	R4	FERNANDES, Edgar	
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	0.0.0	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	0.0.1	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	21.900	Technical Specification Group working methods	6.0.0	Rel-6	SP	MEREDITH, John M	
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-21: On closure of Evolution group, confirmed that ownership stays with SA.
TR	21.905	Vocabulary for 3GPP Specifications	6.4.0	Rel-6	S1	ZARRI, Michele	
TS	22.011	Service accessibility	6.1.0	Rel-6	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.1.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	6.1.0	Rel-6	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	6.5.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.2.0	Rel-6	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	6.5.0	Rel-6	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	EVEN, Anne	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	22.115	Service Aspects Charging and billing	6.2.0	Rel-6	S1	MONTEGROSSO, Emanuele	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.3.0	Rel-6	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.0.0	Rel-6	S1	SAMPSON, Nick	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.3.0	Rel-6	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	6.2.0	Rel-6	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.2.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WOLAK, Stephen	
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977).
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.4.0	Rel-6	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WOLAK, Stephen	
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.1.0	Rel-6	S1	AMERY, Paul	Cf work item 'Generic user profile"
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: created from 22.940.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	WOODWARD, Ernest	
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	PAINT, Frédéric	
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.950	Priority service feasibility study	6.2.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR.
TR	22.951	Service aspects and requirements for network sharing	6.1.0	Rel-6	S1	ZARRI, Michele	
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	
TS	23.002	Network architecture	6.2.0	Rel-6	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	6.0.0	Rel-6	N4	RUSSELL, Nick	
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	
TS	23.016	Subscriber data management; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	
TS	23.038	Alphabets and language-specific information	6.0.0	Rel-6	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	6.1.0	Rel-6	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.1.0	Rel-6	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.2.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	6.2.0	Rel-6	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	6.0.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.3.0	Rel-6	T2	LAUMEN, Josef	
TS	23.141	Presence service; Architecture and functional description; Stage 2	6.4.0	Rel-6	S2	MAANSAARI, Kirsi	
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.0.0	Rel-6	S2	OYAMA, Johnson	
TS	23.221	Architectural requirements	6.1.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.3.0	Rel-6	S2	TOWLE, Thomas	
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.1.0	Rel-6	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile"
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.0.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.5.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.895	Provision of UE specific behaviour information to network entities	6.2.0	Rel-6	S2	PUDNEY, Chris	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.2.0	Rel-6	N1	HOWELL, Andrew	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.0.0	Rel-6	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.2.0	Rel-6	R4	FERNANDES, Edgar	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	6.3.0	Rel-6	R4	SKÖLD, Johan	
TS	25.133	Requirements for support of radio resource management (FDD)	6.3.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	6.3.0	Rel-6	R4	NAKAMURA, Takaharu	
TS	25.331	Radio Resource Control (RRC) protocol specification	6.0.0	Rel-6	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	6.1.0	Rel-6	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.450	UTRAN Iupc interface general aspects and principles	6.0.0	Rel-6	R3	LIN, Ie-Hong	
TS	25.452	UTRAN Iupc interface: signalling transport	6.0.0	Rel-6	R3	LIN, Ie-Hong	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	6.2.0	Rel-6	R3	LIN, Ie-Hong	
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	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	
TR	25.942	RF system scenarios	6.1.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.3.0	Rel-6	R2	FAUCONNIER, Denis	
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	6.1.0	Rel-6	R1	HUANG, Howard	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.0.0	Rel-6	S4	OJALA, Pasi	
TS	27.007	AT command set for 3G User Equipment (UE)	6.4.0	Rel-6	T2	CHRISTENSEN, Soren	
TS	29.002	Mobile Application Part (MAP) specification	6.3.0	Rel-6	N4	WIEHE, Ulrich	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.2.0	Rel-6	N4	KYMALAINEN, Kimmo	
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.0.0	Rel-6	N3	SANDERS, David	
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	6.0.0	Rel-6	N5	BAKKER, John-Luc	
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	6.0.0	Rel-6	N5	BAKKER, John-Luc	
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)	6.0.0	Rel-6	N5	BAKKER, John-Luc	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	6.0.0	Rel-6	N5	UNMEHOPA, Musa	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.0.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez
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	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.2.0	Rel-6	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	6.3.0	Rel-6	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.2.0	Rel-6	T3	N, A	
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.2.0	Rel-6	T3	N, A	
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.2.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	TON, Wim	Test spec is 34.131.
TS	32.102	Telecommunication management; Architecture	6.0.0	Rel-6	S5	BERGGREN, Tommy	
TS	32.140	Telecommunication management; Services operations management; Subscription management requirements	6.1.0	Rel-6	S5	ISLIP, John	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.141	Telecommunication management; Services operations management; Subscription management architecture	6.0.0	Rel-6	S5	ABA, Istvan	
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.0.0	Rel-6	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.1.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	6.1.0	Rel-6	S5	HÜBINETTE, Ulf	
TS	32.421	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	6.1.0	Rel-6	S5	KORINEK, Frank	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	6.0.0	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	6.0.0	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	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TR	32.815	Telecommunication management; Charging management; On-line Charging System (OCS) architecture study	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	
TS	33.102	3G security; Security architecture	6.0.0	Rel-6	S3	BLOMMAERT, Marc	
TS	33.107	3G security; Lawful interception architecture and functions	6.0.0	Rel-6	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.3.0	Rel-6	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.203	3G security; Access security for IP-based services	6.0.0	Rel-6	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.3.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910.
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	GUTHERY, Scott B.	Base spec is 31.131.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.0.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.2.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	6.1.0	Rel-6	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	6.1.0	Rel-6	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	6.0.0	Rel-6	N1	GARAPATY, Sonia	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.0.0	Rel-6	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.4.1	Rel-6	G2	HOWELL, Andrew	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.1.0	Rel-6	G2	GARAPATY, Sonia	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	6.4.0	Rel-6	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	6.1.0	Rel-6	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	6.1.0	Rel-6	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2.
TS	45.001	Physical layer on the radio path; General description	6.1.0	Rel-6	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	6.3.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	6.0.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	6.3.0	Rel-6	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	6.4.0	Rel-6	G1	EL-SAIGH, Amer	
TS	45.010	Radio subsystem synchronization	6.2.0	Rel-6	G1	JOKINEN, Harri	
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811.
TR	45.902	Flexible layer 1	6.2.0	Rel-6	G1	SÉBIRE, Benoist	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.3.0	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	6.2.0	Rel-6	G2	BLACK, Jyoti	
TS	48.058	Base Station Controler - 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	6.2.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.0.0	Rel-6	S3	WALKER, Michael	Not subject to export control.
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	6.2.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
TS	55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.

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

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-6	S2	LAUTIER, Laurence	
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) teleservice requirements	1.0.0	Rel-6	S1	CURCIO, Igor	SP-20: WID = SP-030347.
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	2.0.0	Rel-6	S1	FRANK, Robert	
TR	22.949	Study on a generalized privacy capability	0.3.0	Rel-6	S1	GARRAHAN, James	WI: PrivCap.
TR	22.952	Priority service guide	1.0.0	Rel-6	S1	GARRAHAN, James	Work item = PRIOR.
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...".
TS	23.209	Policy control over Gq interface	none	Rel-6	N3	SILLANPÄÄ, Anna	WI = IMS Phase 2 (UID 32021)
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	2.0.0	Rel-6	S2	YOON, Sang-Ui	
TS	23.241	3GPP Generic User Profile (GUP) ; Stage 2; Data description method	0.4.3	Rel-6	T2	BISCHINGER, Kurt	Cf work item 'Generic user profile"
TR	23.825	Overall architecture aspects of IP flow based bearer level charging; Stage 2	1.0.0	Rel-6	S2	WILLIAMS, Brian	
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	1.0.0	Rel-6	S2	DAMIDAUX, Jean-louis	WID contained in S2-022472. See also http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html.
TS	23.851	Network sharing; Architecture and functional description	1.0.0	Rel-6	S2	NILSSON, Ulf	
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964.
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.4.0	Rel-6	S2	POIKSELKA, Miikka	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228.
TR	23.877	Architectural aspects of speech-enabled services	0.0.0	Rel-6	S2	N, A	WID = SP-030305.
TR	23.878	Impacts of speech-enabled services on IMS, PS and CS domains	none	Rel-6	S2	XUAN, Qing	SP-31: WI = SP-030539
TR	23.881	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	none	Rel-6	S2	MILINSKI, Alexander	SP-21: WI = SP-030385
TR	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS)	1.0.0	Rel-6	S2	MOUSSET, Claire	Work Item: SP-020140
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	
TR	23.976	Push architecture	1.0.0	Rel-6	S2	ALFANO, Nicholas	2003-02-04: 23.876 -> 23.976

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	23.977	Bandwidth and resource savings and speech enhancements for Circuit Switched (CS) networks	0.2.0	Rel-6	S2	SEISER, Franz	Work Item: Bandwidth and Resource savings and Speech enhancements for CS networks (S2-032137)
TR	23.979	3GPP enablers for Push-to-taks over Cellular (PoC)	none	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.1.0	Rel-6	N1	DRAGE, Keith	WI = PRSNC (UID 2499)
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.1.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols	0.1.0	Rel-6	N1	CARRIÓN, Inmaculada	
TS	24.241	3GPP Generic User Profile (GUP) requirements; Stage 3; Access; Common objects	0.4.3	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.0.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	1.1.1	Rel-6	N1	DRAGE, Keith	
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)	2.1.0	Rel-6	R2	PIRSKANEN, Juho	
TR	25.802	Remote control of electrical tilting antennas)	none	Rel-6	R3	HAUSER, Andreas	RP-19: WI = RP-030193. 2003-04-14: WG Sec reports that this may need to be a xx.8xx number instead. 2003-05-12: 25.802 reserved as well as 25.997. One or other of these numbers will be used, the other returned to the pool. TP-20: This one is confirmed
TR	25.803	S-CCPCH performance for MBMS	1.0.0	Rel-6	R1	MALLADI, Durga	
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	0.0.1	Rel-6	R1	RUDOLF, Marian	2003-09-04: anticipated approval at RP-223. WI = RInImp-FSUpEnhTDD.
TR	25.805	DS-CDMA introduction in the 800 MHz band	none	Rel-6	R4	NAKAMURA, Takehiro	WI = RInImp-UMTS800 (UID 24009)
TR	25.806	UMTS 1700/2100MHz and UMTS 850MHz Work Items	none	Rel-6	R4	NUMMINEN, Jussi	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010)
TR	25.852	Iu enhancements for IMS support in UTRAN	0.0.0	Rel-6	R3	DIESEN, Michael	2003-09-08: Title changed from "Radio access bearer support enhancements for the Iu".
TR	25.869	Transmitter diversity solutions for multiple antennas	1.2.0	Rel-6	R1	KIM, Sung-Jin	
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	0.3.1	Rel-6	R1	BOUMENDIL, Sarah	
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	1.2.0	Rel-6	R1	BEALE, Martin	
TR	25.896	Uplink enhancements for dedicated transport channels	1.0.0	Rel-6	R1	RANTA-AHO, Karri	
TR	25.897	Feasibility study on the evolution of UTRAN architecture	0.2.1	Rel-6	R3	KEKKI, Sami	
TR	25.898	Power control enhancements for UTRA	0.1.0	Rel-6	R1	MITRA, Diptendu	
TR	25.899	HSDPA enhancements	none	Rel-6	R1	FUKUI, Noriyuki	
TR	25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	0.1.1	Rel-6	R3	HALL, Edward	WI UID 23011. See also 44.901.
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	none	Rel-6	S4	HONKO, Harri	WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	none	Rel-6	S4	FRANCESCHI, Olle	
TS	26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	0.2.5	Rel-6	S4	FRANCESCHI, Olle	
TS	26.245	Transparent end-to-end streaming service; Timed text format	0.1.6	Rel-6	S4	FRANCESCHI, Olle	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	0.0.3	Rel-6	S4	GRASSEL, Guido	Created S4-25bis. See S4-030135.
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	0.1.0	Rel-6	S4	SZELAZEK, Bill	WI = "Multimedia Broadcast and Multicast Service" UID 2544.
TS	29.109	Bootstrapping and subscriber certificates; Diameter protocols; Stage 3	none	Rel-6	N4	LAITINEN, Lauri	WI = SEC1-SC (UID 33002)
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-6	N3	HOLLAND, Nigel	
TS	29.199	Open Service Access (OSA); Web Services Application Programming Interface (API) for OSA	none	Rel-6	N5	VAN RIJSSEN, Erwin	
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	none	Rel-6	N4	JANSSON, Jari	Work item description in N4-021258.
TS	29.209	Policy control over Gq interface	0.0.1	Rel-6	N3	N, A	
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	1.0.0	Rel-6	N4	RODRIGUEZ, Raquel	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157)
TS	29.240	Generic User Profile (GUP); Stage 3; Network	none	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	N4	SANDERS, David	
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	0.2.0	Rel-6	N1	HOBBIS, Kevan	
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	1.0.0	Rel-6	N1	MAYER, Georg	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	Rel-6	R3	KRAUSE, Joern	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	1.0.0	Rel-6	T3	JOLIVET, Paul	
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	1.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005.
TS	32.150	Telecommunication management; Integration Reference Point (IRP): Introduction and definitions	none	Rel-6	S5	TOVINGER, Thomas	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed from "Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2".
TS	32.171	Service operations management; Subscription management resources Integration Reference Point (IRP); Requirements	0.1.0	Rel-6	S5	ABA, Istvan	
TS	32.172	Service operations management; Subscription management resources Integration Reference Point (IRP); Network resources model	0.2.0	Rel-6	S5	ABA, Istvan	
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	none	Rel-6	S5	GOERMER, Gerald	
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	none	Rel-6	S5	NENNER, Karl-Heinz	
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	1.0.0	Rel-6	S5	RICHARDS, Christopher	SP-21: WI = charging management for the bearer level
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	none	Rel-6	S5	NENNER, Karl-Heinz	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	none	Rel-6	S5	TEPPO, Patrik	
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	1.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	1.0.0	Rel-6	S5	BIBAS, Alain	
TS	32.296	Telecommunication management; Charging management; On-line Charging System (OCS): Applications and interfaces	none	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047)
TS	32.297	Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer	1.0.0	Rel-6	S5	RICHARDS, Christopher	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain".
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) encoding rules description	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	
TS	32.299	Telecommunication management; Charging management; Diameter charging application	none	Rel-6	S5	TEPPO, Patrik	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description".
TS	32.331	Telecommunication management; Notification log Integration Reference Point (IRP): Requirements	none	Rel-6	S5	SCHMIDT, Joerg	
TS	32.332	Telecommunication management; Notification log Integration Reference Point (IRP): Information service	none	Rel-6	S5	SCHMIDT, Joerg	
TS	32.333	Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	RAYMER, David	
TS	32.334	Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information service	none	Rel-6	S5	SCHMIDT, Joerg	
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	RAYMER, David	
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	SUERBAUM, Clemens	
TS	32.350	Telecommunication management; Communication Surveillance (CS) requirements	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information service	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information service	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.364	Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.371	Security Management Integration Reference Point (IRP): Requirements	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.372	Security Management Integration Reference Point (IRP): Information service	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.373	Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.374	Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information service	1.1.0	Rel-6	S5	TOCHE, Christian	
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	TOCHE, Christian	
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	TOCHE, Christian	
TS	32.422	Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management	none	Rel-6	S5	RAO, Mohan	
TS	32.423	Telecommunication management; Subscriber and equipment trace: Trace data definition and management	none	Rel-6	S5	TOCHE, Christian	
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Information service	none	Rel-6	S5	PAL, Tapinder	
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	PAL, Tapinder	
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	PAL, Tapinder	

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	N, A	
TS	32.711	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.712	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information service	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.713	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.714	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.715	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	33.109	Bootstrapping of application security using AKA and support for subscriber certificates; System description	0.3.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002)
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	0.6.0	Rel-6	S3	LOPEZ SORIA, Luis	
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	0.2.0	Rel-6	S3	ESCOTT, Adrian	
TS	33.310	Network domain security; Authentication framework (NDS/AF)	none	Rel-6	S3	VIITANEN, Tommi	
TR	33.917	(Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	0.6.0	Rel-6	S3	YAQUB, Raziq	Original WID = SP-030341.
TR	33.941	Presence service; Security	0.5.0	Rel-6	S3	BOMAN, Krister	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2	0.6.0	Rel-6	G2	EDWIN, Diana	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes to existing GERAN protocol specs.
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	1.3.0	Rel-6	G2	GESSNER, Christina	Work item = SSStrea.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	BLADSJO, David	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6.
TS	51.021	GSM radio aspects base station system equipment specification	6.1.0	Rel-6	G1	BUSIN, Ake	
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	0.1.2	Rel-6	S5	RONKA, Kari	

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

Type	Number	Title	Ver at TSG#20	Rel	TSG/ WG	Editor	Comment
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	none	Rel-7	T1	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004.

Annex E: List of Change Requests and their status after TSG SA Meeting #21

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030456	21.905	051	-	5.7.0	Rel-5	Correction of the Defintion of CDR	approved	F	5.8.0	Vocabulary for 3GPP Specifications	OAM-CH
SP-030456	21.905	052	-	6.3.0	Rel-6	Correction of the Defintion of CDR	approved	A	6.4.0	Vocabulary for 3GPP Specifications	OAM-CH
SP-030461	22.038	014	-	6.0.0	Rel-6	MMS support by the USIM Application Toolkit	approved	B	6.1.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	MMS-R6
SP-030464	22.041	010	-	6.0.0	Rel-6	WLAN access point terminology clarified	approved	C	6.1.0	Operator Determined Call Barring	ODB
SP-030464	22.041	011	-	6.0.0	Rel-6	ODB in VPLMN for WLAN user	approved	B	6.1.0	Operator Determined Call Barring	ODB
SP-030455	22.071	054	-	4.4.1	Rel-4	Correction of requirements on the identity format of LCS clients	approved	F	4.5.0	Location Services (LCS); Stage 1	TEI
SP-030455	22.071	055	-	5.1.1	Rel-5	Correction of requirements on the identity format of LCS clients	approved	A	5.2.0	Location Services (LCS); Stage 1	TEI
SP-030455	22.071	056	-	6.4.0	Rel-6	Correction of requirements on the identity format of LCS clients	approved	A	6.5.0	Location Services (LCS); Stage 1	TEI
SP-030459	22.071	057	-	6.4.0	Rel-6	Clarification of Mobile Originating Location	approved	C	6.5.0	Location Services (LCS); Stage 1	TEI6
SP-030459	22.071	058	-	6.4.0	Rel-6	A requirement of authentication to the Target UE user	approved	B	6.5.0	Location Services (LCS); Stage 1	LCS
SP-030459	22.071	059	-	6.4.0	Rel-6	Introduction of LCS QoS Classes	approved	B	6.5.0	Location Services (LCS); Stage 1	LCS2
SP-030462	22.078	160	-	6.1.0	Rel-6	Criteria for "change of position" procedures	approved	F	6.2.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	TEI_6
SP-030458	22.078	161	-	5.10.0	Rel-5	Alignment of stage 1 with stage 2 & stage 3	approved	F	5.11.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-030457	22.101	127	-	5.10.0	Rel-5	Clarification on USIM-based access to IMS	approved	F	5.11.0	Service aspects; Service principles	IMS
SP-030457	22.101	128	-	6.4.0	Rel-6	Clarification on USIM-based access to IMS	approved	A	6.5.0	Service aspects; Service principles	IMS
SP-030492	22.101	129	-	3.14.0	R99	Modification of emergency number identification rules in 22.101 R99	approved	F	3.15.0	Service aspects; Service principles	EMC1
SP-030492	22.101	130	-	4.7.0	Rel-4	Modification of emergency number identification rules in 22.101 Rel-4	approved	A	4.8.0	Service aspects; Service principles	EMC1
SP-030492	22.101	131	-	5.10.0	Rel-5	Modification of emergency number identification rules in 22.101 Rel-5	approved	A	5.11.0	Service aspects; Service principles	EMC1
SP-030492	22.101	132	-	6.4.0	Rel-6	Cleanup and modifications on identification of emergency numbers in 22.101 Rel-6	approved	C	6.5.0	Service aspects; Service principles	EMC1
SP-030533	22.101	133	-	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	approved	F	5.11.0	Service aspects; Service principles	TEI5
SP-030514	22.101	133	-	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	revised	F		Service aspects; Service principles	TEI5
SP-030543	22.101	133	2	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	rejected	F		Service aspects; Service principles	TEI5
SP-030515	22.101	134	-	6.4.0	Rel-6	Support of Release 4 SIM in Release 5	revised	A		Service aspects; Service principles	TEI5
SP-030534	22.101	134	-	6.4.0	Rel-6	Support of Release 4 SIM in Release 5	approved	A	6.5.0	Service aspects; Service principles	TEI5
SP-030544	22.101	134	2	6.4.0	Rel-6	Support of Release 4 SIM in Release 6	rejected	A		Service aspects; Service principles	TEI5
SP-030399	22.101	135	-	6.4.0	Rel-6	Clarification of emergency call requirements	revised	C		Service aspects; Service principles	EMC1

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SP-030517	22.101	135	1	6.4.0	Rel-6	Clarification of emergency call requirements	rejected	C		Service aspects; Service principles	EMC1
SP-030467	22.115	014	-	6.1.0	Rel-6	Alignment of 22.115 with 21.801	approved	D	6.2.0	Service Aspects Charging and billing	TEI 6
SP-030467	22.115	015	-	6.1.0	Rel-6	CS interconnection requirement for the identification of user data rate and user protocol at the interconnection point for charging purposes	approved	B	6.2.0	Service Aspects Charging and billing	TEI-6
SP-030460	22.140	035	-	6.2.0	Rel-6	Management of Hyperlinks with MMS	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS
SP-030461	22.140	036	-	6.2.0	Rel-6	MM storage in the USIM	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030550	22.140	036	1	6.2.0	Rel-6	MM storage in the USIM	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030552	22.140	036	2	6.2.0	Rel-6	MM storage in the USIM	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030460	22.140	037	-	6.2.0	Rel-6	Conditional delivery behaviour	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS6
SP-030542	22.140	037	1	6.2.0	Rel-6	Conditional delivery behaviour	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS
SP-030551	22.140	038	-	6.2.0	Rel-6	UICC interaction with MMS clients	postponed	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030465	22.228	021	-	6.3.0	Rel-6	Clarification on the meaning of Access Independence	approved	F	6.4.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS
SP-030466	22.233	011	-	6.2.0	Rel-6	Removal of content cache information in PSS architecture	approved	C	6.3.0	Transparent end-to-end packet-switched streamng service; Stage 1	PSS
SP-030466	22.233	012	-	6.2.0	Rel-6	Reliable delivery mechanism	approved	C	6.3.0	Transparent end-to-end packet-switched streamng service; Stage 1	PSS
SP-030469	22.240	001	-	6.0.0	Rel-6	Clarifications for section 7 of 22.240	approved	F	6.1.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP
SP-030468	22.243	007	-	6.3.0	Rel-6	Reconstructed speech as an output mechanism	approved	B	6.4.0	Speech recognition framework for automated voice services; Stage 1	SRSES
SP-030463	22.934	003	-	6.1.0	Rel-6	Deletion of Software SIM concept	approved	C	6.2.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	WLAN
SP-030463	22.934	004	-	6.1.0	Rel-6	Service Capability Interworking	approved	C	6.2.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	WLAN

E.2 CRs from SA WG2

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SP-030374	23.002	133	1	5.11.0	Rel-5	Use of Security Gateways	revised	F		Network architecture	SEC-NDS-IP
SP-030521	23.002	133	1	5.11.0	Rel-5	Use of Security Gateways	approved	F	5.12.0	Network architecture	SEC-NDS-IP
SP-030374	23.002	134	2	6.1.0	Rel-6	Use of Security Gateways	revised	A		Network architecture	SEC-NDS-IP
SP-030521	23.002	134	2	6.1.0	Rel-6	Use of Security Gateways	approved	A	6.2.0	Network architecture	SEC-NDS-IP

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SP-030375	23.060	442	5	6.1.0	Rel-6	Controlling compression performed at the SGSN.	approved	B	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030375	23.060	444	3	3.15.0	R99	CR on "paging/out of service" issue	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030375	23.060	450	3	6.1.0	Rel-6	Usage of Allocation/Retention Priority in the BSS	approved	B	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030375	23.060	455	1	6.1.0	Rel-6	BSS initiated BSS packet flow context deletion	approved	C	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030375	23.060	456	-	6.1.0	Rel-6	Preservation procedure for realtime bearers in A/Gb mode	approved	A	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030375	23.060	459	-	4.8.0	Rel-4	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030375	23.060	460	-	5.6.0	Rel-5	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030375	23.060	461	-	6.1.0	Rel-6	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030376	23.107	139	1	5.9.0	Rel-5	Support the maximum bit rate for HSDPA	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	HSDPA
SP-030376	23.107	141	1	5.9.0	Rel-5	Correction to RAB service attributes table	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	E2EQoS
SP-030376	23.107	142	2	5.9.0	Rel-5	Priority of signaling PDP	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	TEI5
SP-030398	23.141	057	-	6.3.0	Rel-6	Pc and Pg Interfaces, Presence information	revised	F		Presence service; Architecture and functional description; Stage 2	PRESNC
SP-030541	23.141	057	1	6.3.0	Rel-6	Pc and Pg Interfaces, Presence information	approved	F	6.4.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-030377	23.195	001	3	5.0.0	Rel-5	Iu mode correction	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-030377	23.195	002	2	5.0.0	Rel-5	Clean up of diagrams	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-030377	23.195	003	2	5.0.0	Rel-5	Additional text for section 6 on (physical) location of FIB function	approved	C	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-030377	23.195	004	1	5.0.0	Rel-5	Roll out issue for RANAP-BSSMAP interworking	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-030378	23.207	060	1	5.8.0	Rel-6	Functional additions for the Gq interface	approved	B	6.0.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030379	23.221	040	1	5.7.0	Rel-5	Combination of service domains	approved	F	5.8.0	Architectural requirements	IMS
SP-030379	23.221	041	-	6.0.0	Rel-6	Combination of service domains	approved	A	6.1.0	Architectural requirements	IMS
SP-030380	23.228	320	1	6.2.0	Rel-6	Immediate IMS Messaging to multiple recipients	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	321	1	6.2.0	Rel-6	Some service aspects of IMS messaging	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	322	1	6.2.0	Rel-6	Session-based IMS messaging	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	324	1	6.2.0	Rel-6	Mobile-initiated Hold and Resume of a Mobile-PSTN Session	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	325	1	6.2.0	Rel-6	Subscription to information changes in e.g. AS or S-CSCF	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	326	1	6.2.0	Rel-6	Refreshing sessions	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2

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SP-030380	23.228	329	1	6.2.0	Rel-6	IMS corrections	approved	A	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030380	23.228	330	-	5.9.0	Rel-5	IMS corrections	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030380	23.228	331	2	6.2.0	Rel-6	IP version interworking	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	336	1	6.2.0	Rel-6	SIP-IMS IWF	revised	B		IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030358	23.228	336	2	6.2.0	Rel-6	SIP-IMS IWF	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	337	2	5.9.0	Rel-5	SIP-IMS IWF	revised	F		IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030358	23.228	337	3	5.9.0	Rel-5	SIP-IMS IWF	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030380	23.228	340	2	6.2.0	Rel-6	Originating routing from ASs on behalf of PSIs	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	342	-	6.2.0	Rel-6	Signalling Path for Session Termination Procedures	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	343	-	6.2.0	Rel-6	Correction of cross references in Annex E	approved	D	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-COOP
SP-030380	23.228	346	2	5.9.0	Rel-5	UE in a visited Network with a P-CSCF located in the Home network	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS
SP-030380	23.228	348	-	5.9.0	Rel-5	Correction to Network initiated session release	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030380	23.228	349	-	6.2.0	Rel-6	Correction to Network initiated session release	approved	A	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030380	23.228	350	2	6.2.0	Rel-6	PSI configuration in the HSS	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030380	23.228	351	2	6.2.0	Rel-6	PSI configuration and routing	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030381	23.240	001	1	6.0.0	Rel-6	Rg reference point compliance with Liberty Alliance Project ID-WSF	approved	B	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030381	23.240	002	1	6.0.0	Rel-6	Introduction of discovery service	approved	B	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030381	23.240	003	1	6.0.0	Rel-6	Corrections to Rg reference point descriptions	approved	F	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030381	23.240	004	1	6.0.0	Rel-6	Removal of GMLC as example	approved	F	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030382	23.271	187	3	6.4.0	Rel-6	Positioning of CS emergency service calls	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	190	2	6.4.0	Rel-6	Clearing editorial and other notes	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	193	1	6.4.0	Rel-6	The additional parameter validity time of the location request sent to the UE	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	194	1	6.4.0	Rel-6	Additional response message from LCS Client to GMLC in MO-LR procedure	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	196	1	6.4.0	Rel-6	Update of reference to OMA MLP specification	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	197	1	6.4.0	Rel-6	Pseudonym address and emergency identification	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	198	3	6.4.0	Rel-6	Routing of Emergency Calls based on Geographical Coordinates	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	200	1	6.4.0	Rel-6	Addition of Missing Indicator of Privacy Action as a Result of a Privacy Check	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	201	3	6.4.0	Rel-6	An additional parameter to limit the LCS Client	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2

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SP-030382	23.271	203	3	6.4.0	Rel-6	Introduction of location estimate in the change of area event LDR procedure	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	205	2	6.4.0	Rel-6	CR of synchronous & asynchronous procedures in GMLC	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	206	1	4.9.0	Rel-4	Removing PDP addressing of the target UE	approved	F	4.10.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	207	-	5.7.0	Rel-5	Removing PDP addressing of the target UE	approved	A	5.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	208	-	6.4.0	Rel-6	Removing PDP addressing of the target UE	approved	A	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	209	-	6.4.0	Rel-6	LCS Capabilities and LCS Client Type	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	210	5	6.4.0	Rel-6	Clarification on the privacy check procedure in Rel-6.	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	211	-	5.7.0	Rel-5	Correcting reference to LIF-MLP specification	approved	F	5.8.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030382	23.271	212	-	6.4.0	Rel-6	Correcting reference to LIF-MLP specification	approved	A	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2

E.3 CRs from SA WG3

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SP-030475	33.102	180	-	5.2.0	Rel-6	Clarification on the usage of the c3 conversion function	approved	F	6.0.0	3G security; Security architecture	SEC1
SP-030476	33.102	181	-	5.2.0	Rel-5	IMEISV retrieval before completion of security mode setup procedure	approved	F	5.3.0	3G security; Security architecture	LATE_UE
SP-030476	33.102	182	-	5.2.0	Rel-5	Mitigation against a man-in-the-middle attack associated with early UE handling	approved	C	5.3.0	3G security; Security architecture	LATE_UE
SP-030477	33.106	005	-	5.1.0	Rel-6	References	rejected	D		Lawful interception requirements	SEC1-LI
SP-030478	33.107	031	-	5.5.0	Rel-5	Missing QoS Parameter in IRI	approved	F	5.6.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-030479	33.107	032	-	5.5.0	Rel-6	TEL URL for IMS interception identity	approved	B	6.0.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-030479	33.107	033	-	5.5.0	Rel-6	Stereo delivery to LEMF	approved	F	6.0.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-030480	33.108	017	-	6.2.0	Rel-6	Correct Abbreviations in TS 33.108	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	017	1	6.2.0	Rel-6	Correct Abbreviations in TS 33.108	approved	D	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030481	33.108	018	-	5.4.0	Rel-5	Syntax error in Annex B.3	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030509	33.108	018	1	5.4.0	Rel-5	Syntax error in Annex B.3	approved	F	5.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030481	33.108	019	-	6.2.0	Rel-6	Syntax error in Annex B.3	revised	A		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030509	33.108	019	1	6.2.0	Rel-6	Syntax error in Annex B.3	approved	A	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI

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SP-030480	33.108	020	-	6.2.0	Rel-6	Inconsistency in Annex B.3	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	020	1	6.2.0	Rel-6	Inconsistency in Annex B.3	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030480	33.108	021	-	6.2.0	Rel-6	Data Link Establishment and Sending part for ROSE operation	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	021	1	6.2.0	Rel-6	Data Link Establishment and Sending part for ROSE operation	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030480	33.108	022	-	6.2.0	Rel-6	Correction on the usage of Lawful Interception identifiers	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	022	1	6.2.0	Rel-6	Correction on the usage of Lawful Interception identifiers	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030480	33.108	023	-	6.2.0	Rel-6	Subscriber controlled input clarification	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	023	1	6.2.0	Rel-6	Subscriber controlled input clarification	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030480	33.108	024	-	6.2.0	Rel-6	Field separator in subaddress	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030508	33.108	024	1	6.2.0	Rel-6	Field separator in subaddress	approved	D	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030482	33.108	025	-	5.4.0	Rel-5	Reference errors in Annex G	approved	F	5.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030482	33.108	026	-	6.2.0	Rel-6	Reference errors in Annex G	approved	A	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030483	33.203	042	-	5.6.0	Rel-6	Introducing Cipher key Expansion for IMS	approved	B	6.0.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030484	33.203	043	-	5.6.0	Rel-5	Modification of the security association lifetime management	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030485	33.203	044	-	5.6.0	Rel-5	Annex H in 33.203	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030486	33.203	045	-	5.6.0	Rel-5	Security association handling, behaviour of SIP over TCP and re-authentication	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030487	33.203	046	-	5.6.0	Rel-6	Introducing Confidentiality Protection for IMS	approved	B	6.0.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030488	33.210	011	-	5.4.0	Rel-5	Change of IKE profiling	approved	F	5.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP
SP-030488	33.210	012	-	6.2.0	Rel-6	Change of IKE profiling	approved	A	6.3.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP
SP-030489	33.210	013	-	5.4.0	Rel-5	Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554	approved	F	5.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP
SP-030489	33.210	014	-	6.2.0	Rel-6	Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554	approved	A	6.3.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP
SP-030490	55.216	002	-	6.1.0	Rel-6	Clarification on the usage of the Key length	approved	F	6.2.0	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	SEC1-CSALGO1

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030444	26.073	018	-	5.1.0	Rel-5	Correction of the MMS_IO flag	approved	F	5.2.0	AMR speech Codec; C-source code	AMR
SP-030445	26.132	026	-	5.3.0	Rel-5	Loudness rating measurements at lower bit rates	approved	F	5.4.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	TEI5
SP-030446	26.173	019	-	5.7.1	Rel-5	Possible decoder LPC coefficients overflow	approved	F	5.8.0	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	AMRWB
SP-030447	26.204	008	-	5.1.0	Rel-5	Possible decoder LPC coefficients overflow	approved	F	5.2.0	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	AMRWB -FP
SP-030448	26.234	061	1	5.5.0	Rel-5	Clarification on session bandwidth for RS and RR RTCP modifiers	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	062	1	5.5.0	Rel-5	Correction of ambiguous range headers in SDP	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	063	1	5.5.0	Rel-5	Timed-Text layout example	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	064	-	5.5.0	Rel-5	Correction of ambiguity in RTP timestamps handling after PAUSE/PLAY RTSP requests	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	065	-	5.5.0	Rel-5	Correction of obsolete RTP references	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	066	1	5.5.0	Rel-5	Correction of wrong reference	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030448	26.234	067	-	5.5.0	Rel-5	Missing signaling of live content	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E
SP-030449	26.236	006	-	5.3.0	Rel-5	Correction of obsolete RTP references	approved	F	5.4.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC
SP-030449	26.236	007	1	5.3.0	Rel-5	Correction of wrong reference	approved	F	5.4.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC
SP-030450	26.976	001	-	5.0.0	Rel-5	Reference to incorrect test results	approved	F	5.1.0	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	AMRWB
SP-030451	28.062	040	-	5.3.0	Rel-5	Removal of Pre-Handover Notification for UMTS	approved	F	5.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	TEI5

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030401	32.101	023	-	5.4.0	Rel-5	Removal/Replacement of the term UMTS - Alignment with SA1/2 specifications	approved	F	5.5.0	Telecommunication management; Principles and high level requirements	OAM-AR
SP-030402	32.102	028	-	4.3.0	Rel-4	Correction of subclause X.2.1 in Annex C	approved	F	4.4.0	Telecommunication management; Architecture	OAM-AR
SP-030402	32.102	029	-	5.3.0	Rel-5	Correction of subclause X.2.1 in Annex C	approved	A	5.4.0	Telecommunication management; Architecture	OAM-AR
SP-030403	32.102	030	-	5.3.0	Rel-6	Expansion to UML repertoire to support more concise modelling of stage 2 specifications	approved	C	6.0.0	Telecommunication management; Architecture	OAM-AR

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030416	32.111-4	021	-	4.5.0	Rel-4	Correction of syntax error in type SetComment	approved	F	4.6.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM
SP-030416	32.111-4	022	-	5.5.0	Rel-5	Correction of syntax error in type SetCommentInfo	approved	A	5.6.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM
SP-030404	32.140	001	-	6.0.0	Rel-6	Correction to figure 3 (Architecture for management of Subscription Profile components)	approved	F	6.1.0	Telecommunication management; Services operations management; Subscription management requirements	SM
SP-030406	32.200	024	-	4.4.0	Rel-4	Stage 2/3 alignment of Location charging principles	approved	F	4.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH
SP-030406	32.200	025	-	5.4.0	Rel-5	Stage 2/3 alignment of Location charging principles	approved	A	5.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH
SP-030406	32.200	026	-	5.4.0	Rel-5	Corrections on service key related procedures - Alignment with CAMEL	approved	F	5.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH
SP-030407	32.205	019	-	4.4.0	Rel-4	Correction to positioning data in ASN.1.	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030407	32.205	020	-	4.4.0	Rel-4	Correction of ASN.1 code errors in LCS definitions	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030407	32.215	027	-	4.4.0	Rel-4	Corrections of ASN.1 syntax	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-030408	32.235	017	-	5.3.0	Rel-5	Correction of content adaptation indication in the MMS Retrieval CDR - Alignement with T2's 23.140	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for application services	OAM-CH
SP-030415	32.303	011	-	4.4.0	Rel-4	Incorporation of version handling, adopting release 5 agreements	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM
SP-030430	32.401	009	-	5.2.0	Rel-6	Addition of “jobId” and “reportingPeriod” parameters in the file format definition	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-030430	32.401	010	-	5.2.0	Rel-6	Removal of measurement job state and status attributes	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-030430	32.401	011	-	5.2.0	Rel-6	Refinement of the conditions for setting “suspect flag”	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-030431	32.403	018	-	4.4.0	Rel-4	Correction of collection method for SGSN measurements	approved	F	4.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030431	32.403	019	-	5.3.0	Rel-5	Correction of collection method for SGSN measurements	approved	A	5.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030431	32.403	020	-	6.0.0	Rel-6	Correction of collection method for SGSN measurements	approved	A	6.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030431	32.403	021	-	4.4.0	Rel-4	Correction of “outgoing intra-cell hard handovers measurements”	approved	F	4.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030431	32.403	022	-	5.3.0	Rel-5	Correction of “outgoing intra-cell hard handovers measurements”	approved	A	5.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030431	32.403	023	-	6.0.0	Rel-6	Correction of “outgoing intra-cell hard handovers measurements”	approved	A	6.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030432	32.411	001	-	6.0.0	Rel-6	Expansion of the requirements for threshold alarms on bounded variables	approved	C	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM
SP-030414	32.615	009	-	5.1.0	Rel-5	Add missing Activities to Session Log XML	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030418	32.615	010	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652/655	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030417	32.624	010	-	4.4.0	Rel-4	Rel-4/5 alignement of OIDs of some attributes and name bindings	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM
SP-030417	32.624	011	-	5.0.0	Rel-5	Rel-4/5 alignement of OIDs of some attributes and name bindings	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM
SP-030419	32.632	008	-	4.3.0	Rel-4	Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030419	32.632	009	-	5.3.0	Rel-5	Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102	approved	A	5.4.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030420	32.644	004	-	5.1.0	Rel-5	Correction of wrong attribute name	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030418	32.645	005	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema – impacts on 32.645 (UTRAN XML Schema) - Alignment with 32.652/655	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030418	32.652	015	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN NRM - Alignment with 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030418	32.653	006	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN CORBA solution set - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM
SP-030418	32.654	007	-	5.1.0	Rel-5	Inclusion of ExternalBssFunction - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030418	32.655	004	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030421	32.674	001	-	5.0.0	Rel-5	Addition of the missing OID for ts32-674Package	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM

E.6 CRs direct to TSG SA#21

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030498	01.01	018	-	3.0.0	Ph1	Correction to list of specifications and removal of redundant information	approved	F	3.1.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI
SP-030498	01.01	019	-	8.10.0	R99	Correction to list of specifications and removal of redundant information	approved	F	8.11.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI
SP-030499	21.900	015	-	5.0.1	Rel-6	Addition of stage 1-2-3 specification structure description	approved	F	6.0.0	Technical Specification Group working methods	TEI

Annex F: Status of all 3GPP CRs after TSG SA #21 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030498	01.01	018	-	3.0.0	Ph1	Correction to list of specifications and removal of redundant information	approved	F	3.1.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
SP-030498	01.01	019	-	8.10.0	R99	Correction to list of specifications and removal of redundant information	approved	F	8.11.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
NP-030379	03.03	A059	1	5.4.1	R96	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	F	5.5.0	Numbering, Addressing and Identification	ACSI	N4
NP-030379	03.03	A060	1	6.7.0	R97	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	A	6.8.0	Numbering, Addressing and Identification	ACSI	N4
NP-030379	03.03	A061	1	7.7.0	R98	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	A	7.8.0	Numbering, Addressing and Identification	ACSI	N4
NP-030408	03.68	A034	1	8.2.0	R99	Correction of uplink release management	approved	F	8.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	03.68	A035	1	5.5.1	R96	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	F	5.6.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	03.68	A036	1	6.3.0	R97	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	6.4.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	03.68	A037	1	7.2.0	R98	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	7.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	03.68	A038	1	8.2.0	R99	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	8.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	03.69	A024	1	5.5.1	R96	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	F	5.6.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030407	03.69	A025	1	6.3.0	R97	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	6.4.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030407	03.69	A026	1	7.2.0	R98	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	7.3.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030407	03.69	A027	1	8.2.0	R99	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	8.3.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030379	09.02	A337	1	5.18.0	R96	Correction of encoding description of Group-Id	approved	F	5.19.0	Mobile Application Part (MAP) Specification	ASCI	N4
NP-030379	09.02	A338	1	6.13.0	R97	Correction of encoding description of Group-Id	approved	A	6.14.0	Mobile Application Part (MAP) Specification	ASCI	N4
NP-030379	09.02	A339	1	7.13.0	R98	Correction of encoding description of Group-Id	approved	A	7.14.0	Mobile Application Part (MAP) Specification	ASCI	N4
TP-030183	11.10-4	A017	-	8.4.0	R99	Essential corrections to default values for SIM Application Toolkit testing	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A018	-	8.4.0	R99	CR 11.10-4 R99: Clarification on comprehension required flag usage	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030183	11.10-4	A019	-	8.4.0	R99	Essential corrections to Display text test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A020	-	8.4.0	R99	Essential corrections to Get Inkey test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A021	-	8.4.0	R99	CR 11.10-4 R99: Essential corrections to Get Input test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A022	-	8.4.0	R99	Essential corrections to Set Up Menu test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A023	-	8.4.0	R99	Essential corrections to Play Tone test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A024	-	8.4.0	R99	Essential corrections to Poll Intervall test case	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A025	-	8.4.0	R99	CR 11.10-4 R99: Essential corrections to Polling off test case	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A026	-	8.4.0	R99	CR 11.10-4 R99: Essential corrections to Provide Local Information test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A027	-	8.4.0	R99	CR 11.10-4 R99: Essential corrections to Send Short message test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A028	-	8.4.0	R99	CR 11.10-4 R99: Essential corrections to Language Notification test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A029	-	8.4.0	R99	Essential corrections to Send SS test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A030	-	8.4.0	R99	Essential corrections to Set Up Call test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030183	11.10-4	A031	-	8.4.0	R99	Essential corrections to Send USSD test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A032	-	8.4.0	R99	Essential correction to Set Up Idle Mode Text test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A033	-	8.4.0	R99	Essential corrections to Power Off Card test case	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A034	-	8.4.0	R99	Essential corrections to Perform Card APDU test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A035	-	8.4.0	R99	Essential correction to Get Reader Status test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A036	-	8.4.0	R99	Essential corrections to Send DTMF test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A037	-	8.4.0	R99	Essential corrections to CALL CONTROL BY SIM test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A038	-	8.4.0	R99	Essential corrections to CALL CONTROL BY SIM (Interaction with FDN/ BDN) test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A039	-	8.4.0	R99	Essential corrections to Select Item test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A040	-	8.4.0	R99	Essential corrections to card reader status event download test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A041	-	8.4.0	R99	Essential corrections to language selection and browser termination event download test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A042	-	8.4.0	R99	Essential corrections to Close Channel test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3

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TP-030183	11.10-4	A043	-	8.4.0	R99	Essential corrections to Launch Browser test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A044	-	8.4.0	R99	Essential corrections to Open Channel test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A045	-	8.4.0	R99	Essential corrections to Receive Data test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A046	-	8.4.0	R99	Essential corrections to Send Data test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A047	-	8.4.0	R99	Essential corrections to channel status event download test case	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A048	-	8.4.0	R99	Essential corrections to Get Channel Status test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A049	-	8.4.0	R99	Essential corrections to CB data download test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A050	-	8.4.0	R99	Essential corrections to location status, user activity and idle screen available event download test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A051	-	8.4.0	R99	Corrections in the REFRESH test sequences (with inclusion of T3-030535's contents)	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A052	-	8.4.0	R99	Essential corrections to test requirement references	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A053	-	8.4.0	R99	Essential corrections to CALL CONTROL BY SIM (supplementary services) test case	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030183	11.10-4	A054	-	8.4.0	R99	Essential corrections to MT Call, Call connected and Call disconnected event download test cases	approved	F	8.5.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030177	11.11	A135	-	8.9.1	R99	Correction to SMS	approved	F	8.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3

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TP-030177	11.11	A136	-	8.9.1	R99	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	approved	F	8.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3
SP-030499	21.900	015	-	5.0.1	Rel-6	Addition of stage 1-2-3 specification structure description	approved	F	6.0.0	Technical Specification Group working methods	TEI	SP
SP-030456	21.905	051	-	5.7.0	Rel-5	Correction of the Defintion of CDR	approved	F	5.8.0	Vocabulary for 3GPP Specifications	OAM-CH	S1
SP-030456	21.905	052	-	6.3.0	Rel-6	Correction of the Defintion of CDR	approved	A	6.4.0	Vocabulary for 3GPP Specifications	OAM-CH	S1
SP-030461	22.038	014	-	6.0.0	Rel-6	MMS support by the USIM Application Toolkit	approved	B	6.1.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	MMS-R6	S1
SP-030464	22.041	010	-	6.0.0	Rel-6	WLAN access point terminology clarified	approved	C	6.1.0	Operator Determined Call Barring	ODB	S1
SP-030464	22.041	011	-	6.0.0	Rel-6	ODB in VPLMN for WLAN user	approved	B	6.1.0	Operator Determined Call Barring	ODB	S1
SP-030455	22.071	054	-	4.4.1	Rel-4	Correction of requirements on the identity format of LCS clients	approved	F	4.5.0	Location Services (LCS); Stage 1	TEI	S1
SP-030455	22.071	055	-	5.1.1	Rel-5	Correction of requirements on the identity format of LCS clients	approved	A	5.2.0	Location Services (LCS); Stage 1	TEI	S1
SP-030455	22.071	056	-	6.4.0	Rel-6	Correction of requirements on the identity format of LCS clients	approved	A	6.5.0	Location Services (LCS); Stage 1	TEI	S1
SP-030459	22.071	057	-	6.4.0	Rel-6	Clarification of Mobile Originating Location	approved	C	6.5.0	Location Services (LCS); Stage 1	TEI6	S1
SP-030459	22.071	058	-	6.4.0	Rel-6	A requirement of authentication to the Target UE user	approved	B	6.5.0	Location Services (LCS); Stage 1	LCS	S1
SP-030459	22.071	059	-	6.4.0	Rel-6	Introduction of LCS QoS Classes	approved	B	6.5.0	Location Services (LCS); Stage 1	LCS2	S1
SP-030462	22.078	160	-	6.1.0	Rel-6	Criteria for "change of position" procedures	approved	F	6.2.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	TEI_6	S1
SP-030458	22.078	161	-	5.10.0	Rel-5	Alignment of stage 1 with stage 2 & stage 3	approved	F	5.11.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030457	22.101	127	-	5.10.0	Rel-5	Clarification on USIM-based access to IMS	approved	F	5.11.0	Service aspects; Service principles	IMS	S1
SP-030457	22.101	128	-	6.4.0	Rel-6	Clarification on USIM-based access to IMS	approved	A	6.5.0	Service aspects; Service principles	IMS	S1
SP-030492	22.101	129	-	3.14.0	R99	Modification of emergency number identification rules in 22.101 R99	approved	F	3.15.0	Service aspects; Service principles	EMC1	S1
SP-030492	22.101	130	-	4.7.0	Rel-4	Modification of emergency number identification rules in 22.101 Rel-4	approved	A	4.8.0	Service aspects; Service principles	EMC1	S1
SP-030492	22.101	131	-	5.10.0	Rel-5	Modification of emergency number identification rules in 22.101 Rel-5	approved	A	5.11.0	Service aspects; Service principles	EMC1	S1
SP-030492	22.101	132	-	6.4.0	Rel-6	Cleanup and modifications on identification of emergency numbers in 22.101 Rel-6	approved	C	6.5.0	Service aspects; Service principles	EMC1	S1
SP-030514	22.101	133	-	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	revised	F		Service aspects; Service principles	TEI5	S1
SP-030533	22.101	133	-	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	approved	F	5.11.0	Service aspects; Service principles	TEI5	S1
SP-030543	22.101	133	2	5.10.0	Rel-5	Support of Release 4 SIM in Release 5	rejected	F		Service aspects; Service principles	TEI5	S1
SP-030515	22.101	134	-	6.4.0	Rel-6	Support of Release 4 SIM in Release 5	revised	A		Service aspects; Service principles	TEI5	S1
SP-030534	22.101	134	-	6.4.0	Rel-6	Support of Release 4 SIM in Release 5	approved	A	6.5.0	Service aspects; Service principles	TEI5	S1
SP-030544	22.101	134	2	6.4.0	Rel-6	Support of Release 4 SIM in Release 6	rejected	A		Service aspects; Service principles	TEI5	S1
SP-030399	22.101	135	-	6.4.0	Rel-6	Clarification of emergency call requirements	revised	C		Service aspects; Service principles	EMC1	S1
SP-030517	22.101	135	1	6.4.0	Rel-6	Clarification of emergency call requirements	rejected	C		Service aspects; Service principles	EMC1	S1
SP-030467	22.115	014	-	6.1.0	Rel-6	Alignment of 22.115 with 21.801	approved	D	6.2.0	Service Aspects Charging and billing	TEI 6	S1

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SP-030467	22.115	015	-	6.1.0	Rel-6	CS interconnection requirement for the identification of user data rate and user protocol at the interconnection point for charging purposes	approved	B	6.2.0	Service Aspects Charging and billing	TEI-6	S1
SP-030460	22.140	035	-	6.2.0	Rel-6	Management of Hyperlinks with MMS	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS	S1
SP-030461	22.140	036	-	6.2.0	Rel-6	MM storage in the USIM	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030550	22.140	036	1	6.2.0	Rel-6	MM storage in the USIM	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030552	22.140	036	2	6.2.0	Rel-6	MM storage in the USIM	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030460	22.140	037	-	6.2.0	Rel-6	Conditional delivery behaviour	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS6	S1
SP-030542	22.140	037	1	6.2.0	Rel-6	Conditional delivery behaviour	approved	B	6.3.0	Multimedia Messaging Service (MMS); Stage 1	MMS	S1
SP-030551	22.140	038	-	6.2.0	Rel-6	UICC interaction with MMS clients	postponed	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030465	22.228	021	-	6.3.0	Rel-6	Clarification on the meaning of Access Independence	approved	F	6.4.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS	S1
SP-030466	22.233	011	-	6.2.0	Rel-6	Removal of content cache information in PSS architecture	approved	C	6.3.0	Transparent end-to-end packet-switched streamng service; Stage 1	PSS	S1
SP-030466	22.233	012	-	6.2.0	Rel-6	Reliable delivery mechanism	approved	C	6.3.0	Transparent end-to-end packet-switched streamng service; Stage 1	PSS	S1
SP-030469	22.240	001	-	6.0.0	Rel-6	Clarifications for section 7 of 22.240	approved	F	6.1.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP	S1
SP-030468	22.243	007	-	6.3.0	Rel-6	Reconstructed speech as an output mechanism	approved	B	6.4.0	Speech recognition framework for automated voice services; Stage 1	SRSES	S1
SP-030463	22.934	003	-	6.1.0	Rel-6	Deletion of Software SIM concept	approved	C	6.2.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	WLAN	S1
SP-030463	22.934	004	-	6.1.0	Rel-6	Service Capability Interworking	approved	C	6.2.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	WLAN	S1
SP-030374	23.002	133	1	5.11.0	Rel-5	Use of Security Gateways	revised	F		Network architecture	SEC-NDS-IP	S2
SP-030521	23.002	133	1	5.11.0	Rel-5	Use of Security Gateways	approved	F	5.12.0	Network architecture	SEC-NDS-IP	S2
SP-030374	23.002	134	2	6.1.0	Rel-6	Use of Security Gateways	revised	A		Network architecture	SEC-NDS-IP	S2
SP-030521	23.002	134	2	6.1.0	Rel-6	Use of Security Gateways	approved	A	6.2.0	Network architecture	SEC-NDS-IP	S2
NP-030379	23.003	070	-	3.12.0	R99	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	A	3.13.0	Numbering, Addressing and Identification	ASCI	N4
NP-030379	23.003	071	-	4.6.0	Rel-4	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	A	4.7.0	Numbering, Addressing and Identification	ASCI	N4

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NP-030379	23.003	072	-	5.6.0	Rel-5	Correction to definition of Group ID, Group call area ID and Group Call Reference	approved	A	5.7.0	Numbering, Addressing and Identification	ASCI	N4
NP-030394	23.003	073	2	5.6.0	Rel-6	PSI definition	approved	B	6.0.0	Numbering, Addressing and Identification	IMS2-CCR	N4
NP-030389	23.003	074	1	5.6.0	Rel-5	Changes to enable the GSMA root DNS architecture	rejected	F		Numbering, Addressing and Identification	TEI5	N4
NP-030370	23.003	074	2	5.6.0	Rel-5	Changes to enable the GSMA root DNS architecture	rejected	F		Numbering, Addressing and Identification	TEI_5	N4
NP-030388	23.008	122	2	5.5.0	Rel-5	Addition of a list of authorized visited network identifiers	approved	F	5.6.0	Organisation of subscriber data	TEI5	N4
NP-030417	23.009	099	-	5.5.0	Rel-5	Correction to UESBI-Iu definition	approved	F	5.6.0	Handover procedures	LATE_UE	N1
NP-030391	23.012	012	-	5.1.0	Rel-5	Correction of misaligned signal names between VLR and PVLR	approved	F	5.2.0	Location management procedures	TEI5	N4
NP-030390	23.012	013	1	5.1.0	Rel-5	Corrections to "Early UE" handling	approved	F	5.2.0	Location management procedures	LATE_UE	N4
NP-030390	23.018	128	-	5.7.0	Rel-5	Corrections to "Early UE" handling	approved	F	5.8.0	Basic Call Handling; Technical realization	LATE_UE	N4
NP-030397	23.018	132	-	5.7.0	Rel-6	Removal of SIWF material	withdrawn	F		Basic Call Handling; Technical realization	TEI6	N4
NP-030426	23.018	132	-	5.7.0	Rel-6	Removal of SIWF material	approved	F	6.0.0	Basic Call Handling; Technical realization	TEI6	N4
NP-030387	23.018	133	-	5.7.0	Rel-5	SCUDIF HLR Interrogation	approved	F	5.8.0	Basic Call Handling; Technical realization	SCUDIF	N4
TP-030173	23.038	010	-	5.0.0	Rel-6	Additional Indications in SMS DCS	approved	C	6.0.0	Alphabets and language-specific information	TEI6	T2
TP-030169	23.057	122	-	6.1.0	Rel-6	Correcting figure and table numbering	approved	D	6.2.0	Mobile Execution Environment (MExE); Functional description; Stage 2	TEI6	T2
SP-030375	23.060	442	5	6.1.0	Rel-6	Controlling compression performed at the SGSN.	approved	B	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030375	23.060	444	3	3.15.0	R99	CR on "paging/out of service" issue	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030375	23.060	450	3	6.1.0	Rel-6	Usage of Allocation/Retention Priority in the BSS	approved	B	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030375	23.060	455	1	6.1.0	Rel-6	BSS initiated BSS packet flow context deletion	approved	C	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030375	23.060	456	-	6.1.0	Rel-6	Preservation procedure for realtime bearers in A/Gb mode	approved	A	6.2.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030375	23.060	459	-	4.8.0	Rel-4	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030375	23.060	460	-	5.6.0	Rel-5	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030375	23.060	461	-	6.1.0	Rel-6	CR on "paging/out of service" issue	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
NP-030393	23.066	024	2	5.1.0	Rel-5	SRF-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-payed subscribers	rejected	B		Support of GSM Mobile Number Portability (MNP) stage 2	MNP	N4
NP-030392	23.066	026	1	5.1.0	Rel-5	Incorrect CAMEL pre-paid charging in MNP networks	approved	F	5.2.0	Support of GSM Mobile Number Portability (MNP) stage 2	MNP	N4
NP-030365	23.078	523	5	5.4.0	Rel-5	Handling of Connect operation with and without LegID	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-030365	23.078	524	4	5.4.0	Rel-5	Handling of Information Flows with absent LegID and CS ID	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030364	23.078	530	2	5.4.0	Rel-5	Using ATI for Mobile Number Portability	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030368	23.078	558	-	5.4.0	Rel-5	Correction to partial implementation of CAMEL4	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030365	23.078	570	2	5.4.0	Rel-5	Update of charging spec. references	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030365	23.078	573	2	5.4.0	Rel-5	Reporting Disconnect (leg n)	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030365	23.078	575	-	5.4.0	Rel-5	Correction to procedure CAMEL_ICA_MSC	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030363	23.078	584	-	5.4.0	Rel-5	Direction change of incomming message Answer	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030362	23.078	600	2	4.9.0	Rel-4	Correction in handling of Start-Delta and Stop-Delta operations.	approved	A	4.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L3	N2
NP-030365	23.078	601	-	5.4.0	Rel-5	Corection of "Int_leg_Status_Report" to avoid double state changes in the CSA	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030368	23.078	602	1	5.4.0	Rel-5	Alignment of Offered CAMEL4 functionalities	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030366	23.078	603	-	5.4.0	Rel-5	Correction to SMS Event Disarming	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030366	23.078	604	1	5.4.0	Rel-5	Correction to SMS Error handling	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030367	23.078	605	-	5.4.0	Rel-5	Correction to PlayTone pre-conditions	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030363	23.078	608	-	5.4.0	Rel-5	Correction to procedure Handle_O_Answer	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030365	23.078	609	-	5.4.0	Rel-5	Correction to usage of LegId in ICA Operation	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030363	23.078	610	1	5.4.0	Rel-5	Correction of “pty continues” and “LegActive” check boxes in SDL’s	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030365	23.078	611	1	5.4.0	Rel-5	Correction to Apply Charging and Apply Charging Report due to introduction of CPH	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2

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NP-030363	23.078	612	1	5.4.0	Rel-5	Receiving Int_CWA after reporting Abandon	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030368	23.078	614	-	5.4.0	Rel-5	Correction to Change of position processes	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030368	23.078	615	-	5.4.0	Rel-5	Correction on MG-CSI sending to the SGSN	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030365	23.078	616	-	5.4.0	Rel-5	Allow user interaction at answer DP	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030367	23.078	617	3	5.4.0	Rel-5	Handling of concurrent tones	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030369	23.078	620	1	5.4.0	Rel-5	Correction to InitialDP for SCUDIF	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030362	23.078	621	-	3.17.0	R99	Correction in handling of Start-Delta and Stop-Delta operations.	approved	F	3.18.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL3	N2
NP-030362	23.078	622	-	5.4.0	Rel-5	Correction in handling of Start-Delta and Stop-Delta operations	approved	A	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL3	N2
NP-030385	23.079	025	4	5.2.0	Rel-5	Correction to interaction between ORLCF and forwarding	approved	F	5.3.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	CAMEL4	N4
NP-030387	23.079	026	1	5.2.0	Rel-5	Notification of the 2nd BSG in case of Late CF with OR	approved	F	5.3.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	SCUDIF	N4
SP-030376	23.107	139	1	5.9.0	Rel-5	Support the maximum bit rate for HSDPA	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	HSDPA	S2
SP-030376	23.107	141	1	5.9.0	Rel-5	Correction to RAB service attributes table	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	E2EQoS	S2
SP-030376	23.107	142	2	5.9.0	Rel-5	Priority of signaling PDP	approved	F	5.10.0	Quality of Service (QoS) concept and architecture	TEI5	S2
NP-030405	23.122	059	-	3.9.0	R99	Removal of RPLMNAcT field	approved	F	3.10.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI	N1
NP-030405	23.122	060	-	4.3.0	Rel-4	Removal of RPLMNAcT field	approved	A	4.4.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI	N1
NP-030405	23.122	061	-	5.2.0	Rel-5	Removal of RPLMNAcT field	approved	A	5.3.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI	N1
TP-030174	23.140	130	-	6.2.0	Rel-6	Invalid MM7 references	approved	F	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	131	-	6.2.0	Rel-6	Enhancements to DRM support in MMS	approved	B	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	132	-	6.2.0	Rel-6	Clarity on USIM versus Over the air provisioning in MMS	approved	C	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	133	-	6.2.0	Rel-6	Inaccuracies in Annexes I & K	approved	F	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	134	-	6.2.0	Rel-6	Size in Retrieval request	approved	C	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2

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TP-030174	23.140	135	-	6.2.0	Rel-6	Transfer over MM3	approved	C	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	136	-	6.2.0	Rel-6	Extension of MM4 interface for delivery report	approved	B	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	137	-	6.2.0	Rel-6	Reply charging in case of forwarding	approved	B	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	138	-	6.2.0	Rel-6	Addition of Information elements to MM7	approved	B	6.3.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030174	23.140	139	-	5.7.0	Rel-5	Correction of “Date” to “TimeStamp” in MM7 Schema	approved	F	5.8.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MESS 5-MMS	T2
SP-030398	23.141	057	-	6.3.0	Rel-6	Pc and Pg Interfaces, Presence information	revised	F		Presence service; Architecture and functional description; Stage 2	PRES NC	S2
SP-030541	23.141	057	1	6.3.0	Rel-6	Pc and Pg Interfaces, Presence information	approved	F	6.4.0	Presence service; Architecture and functional description; Stage 2	PRES NC	S2
NP-030380	23.153	062	1	4.8.0	Rel-4	Clarification on codec modification	approved	F	4.9.0	Out of Band Transcoder Control; Stage 2	OoBT C	N4
NP-030380	23.153	063	1	5.5.0	Rel-5	Clarification on codec modification	approved	A	5.6.0	Out of Band Transcoder Control; Stage 2	OoBT C	N4
NP-030380	23.153	066	1	4.8.0	Rel-4	Clarification of IuUP Initialisation during codec modification	approved	F	4.9.0	Out of Band Transcoder Control; Stage 2	OoBT C	N4
NP-030380	23.153	067	1	5.5.0	Rel-5	Clarification of IuUP Initialisation during codec modification	approved	A	5.6.0	Out of Band Transcoder Control; Stage 2	OoBT C	N4
NP-030330	23.172	014	3	5.1.0	Rel-5	Supplementary service interaction with SCUDIF calls	approved	F	5.2.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUD IF	N3
NP-030330	23.172	015	4	5.1.0	Rel-5	Repeat subscription checking in MO SCUDIF call	approved	F	5.2.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUD IF	N3
NP-030330	23.172	016	2	5.1.0	Rel-5	SCUDIF HLR Interrogation	approved	F	5.2.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUD IF	N3
NP-030331	23.172	017	1	5.1.0	Rel-5	Callflows for Service change during the active state	approved	F	5.2.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUD IF	N3
NP-030431	23.172	017	1	5.1.0	Rel-5	Callflows for Service change during the active state	withdrawn	F		Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUD IF	N3
NP-030328	23.172	018	1	5.1.0	Rel-5	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	F	5.2.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	TEI	N3
SP-030377	23.195	001	3	5.0.0	Rel-5	Iu mode correction	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
SP-030377	23.195	002	2	5.0.0	Rel-5	Clean up of diagrams	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
SP-030377	23.195	003	2	5.0.0	Rel-5	Additional text for section 6 on (physical) location of FIB function	approved	C	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2

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SP-030377	23.195	004	1	5.0.0	Rel-5	Roll out issue for RANAP-BSSMAP interworking	approved	F	5.1.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
SP-030378	23.207	060	1	5.8.0	Rel-6	Functional additions for the Gq interface	approved	B	6.0.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
NP-030411	23.218	057	-	5.5.0	Rel-5	Removal of Incorrect Information	approved	F	5.6.0	IP Multimedia (IM) session handling; IM call model; Stage 2	IMS-CCR	N1
SP-030379	23.221	040	1	5.7.0	Rel-5	Combination of service domains	approved	F	5.8.0	Architectural requirements	IMS	S2
SP-030379	23.221	041	-	6.0.0	Rel-6	Combination of service domains	approved	A	6.1.0	Architectural requirements	IMS	S2
SP-030380	23.228	320	1	6.2.0	Rel-6	Immediate IMS Messaging to multiple recipients	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	321	1	6.2.0	Rel-6	Some service aspects of IMS messaging	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	322	1	6.2.0	Rel-6	Session-based IMS messaging	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	324	1	6.2.0	Rel-6	Mobile-initiated Hold and Resume of a Mobile-PSTN Session	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	325	1	6.2.0	Rel-6	Subscription to information changes in e.g. AS or S-CSCF	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	326	1	6.2.0	Rel-6	Refreshing sessions	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	329	1	6.2.0	Rel-6	IMS corrections	approved	A	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030380	23.228	330	-	5.9.0	Rel-5	IMS corrections	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030380	23.228	331	2	6.2.0	Rel-6	IP version interworking	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	336	1	6.2.0	Rel-6	SIP-IMS IWF	revised	B		IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030358	23.228	336	2	6.2.0	Rel-6	SIP-IMS IWF	approved	B	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	337	2	5.9.0	Rel-5	SIP-IMS IWF	revised	F		IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030358	23.228	337	3	5.9.0	Rel-5	SIP-IMS IWF	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030380	23.228	340	2	6.2.0	Rel-6	Originating routing from ASs on behalf of PSIs	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	342	-	6.2.0	Rel-6	Signalling Path for Session Termination Procedures	approved	F	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	343	-	6.2.0	Rel-6	Correction of cross references in Annex E	approved	D	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-COOP	S2
SP-030380	23.228	346	2	5.9.0	Rel-5	UE in a visited Network with a P-CSCF located in the Home network	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS	S2
SP-030380	23.228	348	-	5.9.0	Rel-5	Correction to Network initiated session release	approved	F	5.10.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030380	23.228	349	-	6.2.0	Rel-6	Correction to Network initiated session release	approved	A	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030380	23.228	350	2	6.2.0	Rel-6	PSI configuration in the HSS	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030380	23.228	351	2	6.2.0	Rel-6	PSI configuration and routing	approved	C	6.3.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030381	23.240	001	1	6.0.0	Rel-6	Rg reference point compliance with Liberty Alliance Project ID-WSF	approved	B	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030381	23.240	002	1	6.0.0	Rel-6	Introduction of discovery service	approved	B	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030381	23.240	003	1	6.0.0	Rel-6	Corrections to Rg reference point descriptions	approved	F	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030381	23.240	004	1	6.0.0	Rel-6	Removal of GMLC as example	approved	F	6.1.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2

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SP-030382	23.271	187	3	6.4.0	Rel-6	Positioning of CS emergency service calls	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	190	2	6.4.0	Rel-6	Clearing editorial and other notes	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	193	1	6.4.0	Rel-6	The additional parameter validity time of the location request sent to the UE	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	194	1	6.4.0	Rel-6	Additional response message from LCS Client to GMLC in MO-LR procedure	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	196	1	6.4.0	Rel-6	Update of reference to OMA MLP specification	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	197	1	6.4.0	Rel-6	Pseudonym address and emergency identification	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	198	3	6.4.0	Rel-6	Routing of Emergency Calls based on Geographical Coordinates	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	200	1	6.4.0	Rel-6	Addition of Missing Indicator of Privacy Action as a Result of a Privacy Check	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	201	3	6.4.0	Rel-6	An additional parameter to limit the LCS Client	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	203	3	6.4.0	Rel-6	Introduction of location estimate in the change of area event LDR procedure	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	205	2	6.4.0	Rel-6	CR of synchronous & asynchronous procedures in GMLC	approved	B	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	206	1	4.9.0	Rel-4	Removing PDP addressing of the target UE	approved	F	4.10.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	207	-	5.7.0	Rel-5	Removing PDP addressing of the target UE	approved	A	5.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	208	-	6.4.0	Rel-6	Removing PDP addressing of the target UE	approved	A	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	209	-	6.4.0	Rel-6	LCS Capabilities and LCS Client Type	approved	D	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	210	5	6.4.0	Rel-6	Clarification on the privacy check procedure in Rel-6.	approved	F	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	211	-	5.7.0	Rel-5	Correcting reference to LIF-MLP specification	approved	F	5.8.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030382	23.271	212	-	6.4.0	Rel-6	Correcting reference to LIF-MLP specification	approved	A	6.5.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
NP-030374	23.278	043	2	5.3.0	Rel-5	Incorrect handling of failure SIP response for MT	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	IMS-CAMEL	N2
NP-030374	23.278	044	2	5.3.0	Rel-5	Setting of Timers not specified for IMSSF process	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	IMS-CAMEL	N2
NP-030374	23.278	045	1	5.3.0	Rel-5	Incorrect handling of failure SIP response for MO	approved	F	5.4.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	IMS-CAMEL	N2
NP-030327	23.910	046	1	4.7.0	Rel-4	Clarification of Handover description	approved	F	4.8.0	Circuit switched data bearer services	CSSPLIT	N3

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NP-030327	23.910	047	1	5.3.0	Rel-5	Clarification of Handover description	approved	A	5.4.0	Circuit switched data bearer services	CSSPLIT	N3
NP-030416	24.008	747	-	5.8.0	Rel-5	Correction of the static conditions for the backup bearer capability IE contents	approved	F	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	787	-	6.1.0	Rel-6	Correction of the static conditions for the backup bearer capability IE contents	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	792	-	5.8.0	Rel-5	Deletion of EFRPLMNAcT	approved	F	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	793	-	6.1.0	Rel-6	Deletion of EFRPLMNAcT	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	794	1	5.8.0	Rel-5	Clarification of handover - BC-IE	approved	F	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	795	1	6.1.0	Rel-6	Clarification of handover - BC-IE	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030346	24.008	796	2	5.8.0	Rel-5	Support of the maximum bit rate for HSDPA	approved	F	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	HSDPA	N1
NP-030347	24.008	797	2	6.1.0	Rel-6	Support of the maximum bit rate for HSDPA	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	HSDPA	N1
NP-030420	24.008	798	-	6.1.0	Rel-6	Source of the CS domain specific system information	approved	F	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030420	24.008	799	1	6.1.0	Rel-6	Signaling connection release after GMM procedure	approved	F	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030406	24.008	804	2	3.16.0	R99	Clarification of BC negotiation for multimedia calls	approved	F	3.17.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	Multimedia	N1
NP-030406	24.008	805	2	4.11.0	Rel-4	Clarification of BC negotiation for multimedia calls	approved	A	4.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	Multimedia	N1
NP-030406	24.008	806	2	5.8.0	Rel-5	Clarification of BC negotiation for multimedia calls	approved	A	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	Multimedia	N1
NP-030406	24.008	807	2	6.1.0	Rel-6	Clarification of BC negotiation for multimedia calls	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	Multimedia	N1
NP-030405	24.008	810	1	3.16.0	R99	Change of DTM core capability	approved	F	3.17.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-030405	24.008	811	1	4.11.0	Rel-4	Change of DTM core capability	approved	A	4.12.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1

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NP-030405	24.008	812	1	5.8.0	Rel-5	Change of DTM core capability	approved	A	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-030405	24.008	813	1	6.1.0	Rel-6	Change of DTM core capability	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-030416	24.008	814	1	5.8.0	Rel-5	Introduction of mobile station multislot power classes	approved	F	5.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030416	24.008	815	1	6.1.0	Rel-6	Introduction of mobile station multislot power classes	approved	A	6.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030420	24.011	031	-	5.2.0	Rel-6	Unspecified SAPI value in RANAP message for MT SMS (Iu interface only)	approved	F	6.0.0	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	TEI6	N1
NP-030342	24.022	012	2	5.3.0	Rel-5	Usage of RLP versions	approved	F	5.4.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	TEI	N3
NP-030386	24.080	029	-	5.3.0	Rel-5	Reduce maximum length of “LCS Requestor ID” and “LCS	approved	F	5.4.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	LCS1	N4
NP-030411	24.228	113	-	5.5.0	Rel-5	Removal of address binding by P-CSCF in registration flows	approved	F	5.6.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030411	24.228	114	1	5.5.0	Rel-5	Corrections on MGCF handling CS originating or terminating sessions	approved	F	5.6.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030411	24.228	115	1	5.5.0	Rel-5	Update Handling of SA chap_6_7_8	approved	F	5.6.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030411	24.228	116	1	5.5.0	Rel-5	Update Handling of SA chap_ 10	approved	F	5.6.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030411	24.228	117	1	5.5.0	Rel-5	Update Handling of SA chap_16_17_18	approved	F	5.6.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	444	2	5.5.0	Rel-5	All non-REGISTER requests must be integrity protected	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	445	-	5.5.0	Rel-5	Download of all service profiles linked to PUID being registered and implicitly registered	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	448	3	5.5.0	Rel-5	Authentication at UE	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-030412	24.229	449	1	5.5.0	Rel-5	Nework authentication failure at the UE	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	451	3	5.5.0	Rel-5	Handling of security association	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	452	1	5.5.0	Rel-5	Re-authentication timer at S-CSCF	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030412	24.229	455	2	5.5.0	Rel-5	Authentication failure at S-CSCF	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030413	24.229	456	2	5.5.0	Rel-5	Subscription termination sent by the S-CSCF	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030413	24.229	457	-	5.5.0	Rel-5	Subscription termination at the P-CSCF	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030413	24.229	458	-	5.5.0	Rel-5	Network -initiated deregistration at P-CSCF	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030349	24.229	459	1	5.5.0	Rel-5	Notification about registration status at AS	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030415	24.229	459	1	5.5.0	Rel-5	Notification about registration status at AS	revised	F		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030413	24.229	461	1	5.5.0	Rel-5	Service profile	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030418	24.229	465	1	5.5.0	Rel-6	Alignment with TS for policy control over Gq interface	approved	F	6.0.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030413	24.229	466	1	5.5.0	Rel-5	Requirements on Preconditions	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-030413	24.229	467	1	5.5.0	Rel-5	Call forwarding cleanup	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030413	24.229	468	-	5.5.0	Rel-5	Update of references	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030414	24.229	470	1	5.5.0	Rel-5	Adding P-Asserted-Identity headers to NE initiated subscriptions	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030418	24.229	472	1	5.5.0	Rel-6	I-CSCF procedures for openness	approved	B	6.0.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030418	24.229	473	1	5.5.0	Rel-6	Registration from multiple terminals and forking	revised	B		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030428	24.229	473	2	5.5.0	Rel-6	Registration from multiple terminals and forking	withdrawn	B		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030433	24.229	473	3	5.5.0	Rel-6	Registration from multiple terminals and forking	approved	B	6.0.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030414	24.229	479	1	5.5.0	Rel-5	Replace USIM by ISIM for user identity storage	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030419	24.229	480	3	5.5.0	Rel-6	Access Independent IMS	approved	B	6.0.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030414	24.229	481	1	5.5.0	Rel-5	24.229 R5 CR: Corrections to Profile Tables	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030414	24.229	482	-	5.5.0	Rel-5	24.229 R5 CR: Setting of SUBSCRIBE exipiration time	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030414	24.229	483	3	5.5.0	Rel-5	24.229 R5 CR: Alignment of IMS Compression with RFC 3486	approved	F	5.6.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
RP-030417	25.101	250	3	5.7.0	Rel-5	Addition of transmitter characteristics for HS-DPCCH	approved	F	5.8.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4

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RP-030417	25.101	251	3	6.1.0	Rel-6	Addition of transmitter characteristics for HS-DPCCH	approved	A	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030415	25.101	261	1	3.14.0	R99	Problems with "Out of sync" in Initial Convergence test	approved	F	3.15.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030415	25.101	262	1	4.8.0	Rel-4	Problems with "Out of sync" in Initial Convergence test	approved	A	4.9.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030415	25.101	263	1	5.7.0	Rel-5	Problems with "Out of sync" in Initial Convergence test	approved	A	5.8.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030415	25.101	264	1	6.1.0	Rel-6	Problems with "Out of sync" in Initial Convergence test	approved	A	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030423	25.101	265	1	6.1.0	Rel-6	UE blocking requirements	approved	F	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030423	25.101	267	1	6.1.0	Rel-6	Spurious Emission in GSM bands	approved	F	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030418	25.101	269	-	5.7.0	Rel-5	Correction of CR 160 implementation for Correction of power terms and definitions	approved	F	5.8.0	User Equipment (UE) radio transmission and reception (FDD)	TEI5	R4
RP-030418	25.101	270	-	6.1.0	Rel-6	Correction of CR 160 implementation for Correction of power terms and definitions	approved	A	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	TEI5	R4
RP-030421	25.101	271	-	6.1.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	revised	B		User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS850, RInImp-UMTS800, RInImp-UMTS1721	R4
RP-030515	25.101	271	1	6.1.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800	approved	B	6.2.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS1721, RInImp-UMTS850, RInImp-	R4
RP-030423	25.104	199	1	6.2.0	Rel-6	Spurious emission levels for the protection of UTRA-FDD BS receiver	approved	F	6.3.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4

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RP-030421	25.104	200	-	6.2.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	revised	B		Base Station (BS) radio transmission and reception (FDD)	RInIm p-UMTS 850, RInIm p-UMTS 800, RInIm p-UMTS 1721	R4
RP-030515	25.104	200	1	6.2.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800	approved	B	6.3.0	Base Station (BS) radio transmission and reception (FDD)	RInIm p-UMTS 1721, RInIm p-UMTS 850, RInIm p-	R4
RP-030419	25.106	024	-	5.5.0	Rel-5	Correction of naming of frequency bands and operating band. Introduction of pass band	approved	F	5.6.0	UTRA repeater radio transmission and reception	RInIm p-REP	R4
RP-030416	25.123	308	-	4.9.0	Rel-4	Correction to test parameter for 3.84Mcps TDD cell re-selection for 1.28Mcps TDD in idle mode	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	309	-	5.5.0	Rel-5	Correction to test parameter for 3.84Mcps TDD cell re-selection for 1.28Mcps TDD in idle mode	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	310	-	4.9.0	Rel-4	Correction to Timing Advance of 1.28Mcps TDD option	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	311	-	5.5.0	Rel-5	Correction to Timing Advance of 1.28Mcps TDD option	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	312	-	4.9.0	Rel-4	Corrections to some measurement mappings in Section 9	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	313	-	5.5.0	Rel-5	Corrections to some measurement mappings in Section 9	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	314	-	4.9.0	Rel-4	Correction to 1.28Mcps TDD measurement and test case for GSM	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	315	-	5.5.0	Rel-5	Correction to 1.28Mcps TDD measurement and test case for GSM	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030416	25.123	316	-	4.9.0	Rel-4	Correction to inter frequency measurement requirements and test cases for 1.28Mcps TDD option	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4

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RP-030416	25.123	317	-	5.5.0	Rel-5	Correction to inter frequency measurement requirements and test cases for 1.28Mcps TDD option	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-030416	25.123	318	-	4.9.0	Rel-4	TDD/GSM Handover Test Case for 1.28Mcps TDD	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-030416	25.123	319	-	5.5.0	Rel-5	TDD/GSM Handover Test Case for 1.28Mcps TDD	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-030416	25.123	320	-	4.9.0	Rel-4	GSM carrier RSSI Measurement Test Case for 1.28Mcps TDD	approved	F	4.10.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-030416	25.123	321	-	5.5.0	Rel-5	GSM carrier RSSI Measurement Test Case for 1.28Mcps TDD	approved	A	5.6.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-030423	25.133	604	-	6.2.0	Rel-6	Correction of the RACH reporting delay	approved	F	6.3.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030420	25.133	605	-	5.7.0	Rel-5	Accuracy requirement of non-HSDPA transmit carrier power measurement	approved	F	5.8.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030420	25.133	606	-	6.2.0	Rel-6	Accuracy requirement of non-HSDPA transmit carrier power measurement	approved	A	6.3.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030423	25.133	608	-	6.2.0	Rel-6	Test time reduction for Cell Re-selection in CELL_FACH	approved	F	6.3.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030420	25.133	611	1	5.7.0	Rel-5	FDD inter-frequency cell identification	approved	F	5.8.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030420	25.133	612	1	6.2.0	Rel-6	FDD inter-frequency cell identification	approved	A	6.3.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030540	25.133	613	-	3.14.0	R99	CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when suitable UTRA cell is not found	Approved	F	3.15.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030540	25.133	614	-	4.9.0	Rel-4	CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when suitable UTRA cell is not found	Approved	A	4.10.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030540	25.133	615	-	5.7.0	Rel-5	CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when suitable UTRA cell is not found	Approved	A	5.8.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030540	25.133	616	-	6.2.0	Rel-6	CELL_DCH to CELL_FACH/CELL_PCH/URA_PCH transition when suitable UTRA cell is not found	Approved	A	6.3.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030423	25.141	315	1	6.2.0	Rel-6	Measurement interval in Frequency error, PCDE and EVM testing	approved	F	6.3.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-030423	25.141	318	1	6.2.0	Rel-6	Spurious emission levels for the protection of UTRA-FDD BS receiver	approved	F	6.3.0	Base Station (BS) conformance testing (FDD)	TEI6	R4

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RP-030421	25.141	319	-	6.2.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	revised	B		Base Station (BS) conformance testing (FDD)	RInImp-UMTS850, RInImp-UMTS800, RInImp-UMTS1721	R4
RP-030515	25.141	319	1	6.2.0	Rel-6	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800	approved	B	6.3.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS1721, RInImp-UMTS850, RInImp-	R4
RP-030419	25.143	035	-	5.5.0	Rel-5	Correction of naming of frequency bands and operating band. Introduction of pass band	approved	F	5.6.0	UTRA repeater conformance testing	RInImp-REP	R4
RP-030462	25.211	186	1	5.4.0	Rel-5	Removal of the combination of TxAA Mode 1 with HS-SCCH	approved	F	5.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	HSDPA-Phys	R1
RP-030456	25.212	178	4	5.5.0	Rel-5	Clarification on Single Transport Format Detection	approved	F	5.6.0	Multiplexing and channel coding (FDD)	TEI-5	R1
RP-030456	25.212	179	-	5.5.0	Rel-5	Correction on table number in first interleave description	approved	D	5.6.0	Multiplexing and channel coding (FDD)	TEI-5	R1
RP-030456	25.212	180	3	5.5.0	Rel-5	Broadening the conditions that require Ues to perform BTFD for the case of HS-DSCH reception	approved	C	5.6.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-030457	25.213	062	-	5.3.0	Rel-5	Clarification of 16QAM modulation description	approved	F	5.4.0	Spreading and modulation (FDD)	HSDPA-Phys	R1
RP-030502	25.213	063	1	5.3.0	Rel-5	Scrambling code & phase reference combinations for DL HS channels	rejected	F		Spreading and modulation (FDD)	HSDPA-Phys	R1
RP-030458	25.214	325	-	5.5.0	Rel-5	Correction of CQI definition table	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030462	25.214	326	-	5.5.0	Rel-5	Removal of the combination of TxAA Mode 1 with HS-SCCH	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030458	25.214	328	2	5.5.0	Rel-5	Clarification of power scaling with HS-DPCCH	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030458	25.214	329	3	5.5.0	Rel-5	Correction of CQI reporting in DL compressed mode	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1

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RP-030458	25.214	330	1	5.5.0	Rel-5	Clarification of HS-SCCH reception	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030513	25.214	332	2	3.12.0	R99	TPC pattern during loss of RL synchronisation	revised	F		Physical layer procedures (FDD)	TEI	R1
RP-030522	25.214	332	3	3.12.0	R99	TPC pattern during loss of RL synchronisation	rejected	F		Physical layer procedures (FDD)	TEI	R1
RP-030458	25.214	333	1	5.5.0	Rel-5	Clarification on CQI repetition behaviour	approved	F	5.6.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030513	25.214	334	-	4.6.0	Rel-4	TPC pattern during loss of RL synchronisation	revised	A		Physical layer procedures (FDD)	TEI	R1
RP-030522	25.214	334	1	4.6.0	Rel-4	TPC pattern during loss of RL synchronisation	rejected	A		Physical layer procedures (FDD)	TEI	R1
RP-030513	25.214	335	-	5.5.0	Rel-5	TPC pattern during loss of RL synchronisation	revised	A		Physical layer procedures (FDD)	TEI	R1
RP-030522	25.214	335	1	5.5.0	Rel-5	TPC pattern during loss of RL synchronisation	revised	A		Physical layer procedures (FDD)	TEI	R1
RP-030544	25.214	335	2	5.5.0	Rel-5	TPC pattern during loss of RL synchronisation	rejected	A		Physical layer procedures (FDD)	TEI	R1
RP-030547	25.214	335	3	5.5.0	Rel-5	TPC pattern during loss of RL synchronisation	approved	F	5.6.0	Physical layer procedures (FDD)	TEI	R1
RP-030452	25.215	144	1	5.4.0	Rel-5	Beamforming Enhancement related measurements	approved	F	5.5.0	Physical layer; Measurements (FDD)	RANimp-BFE	R1
RP-030460	25.224	121	3	5.5.0	Rel-5	Clarification on PDSCH Downlink Power Control Procedures	approved	F	5.6.0	Physical layer procedures (TDD)	TEI-5	R1
RP-030476	25.224	123	1	3.12.0	R99	DTX and Special Bursts in case of no data on S-CCPCH and Beacon Channels	revised	F		Physical layer procedures (TDD)		R1
RP-030533	25.224	123	2	3.12.0	R99	DTX and Special Bursts in case of no data on S-CCPCH and Beacon Channels	approved	F	3.13.0	Physical layer procedures (TDD)		R1
RP-030476	25.224	124	1	4.8.0	Rel-4	DTX and Special Bursts in case of no data on S-CCPCH and Beacon Channels	approved	A	4.9.0	Physical layer procedures (TDD)		R1
RP-030476	25.224	125	1	5.5.0	Rel-5	DTX and Special Bursts in case of no data on S-CCPCH and Beacon Channels	approved	A	5.6.0	Physical layer procedures (TDD)		R1
RP-030480	25.302	140	-	3.15.0	R99	Correction to FDD downlink transport channel combinations for SCCPCH	approved	F	3.16.0	Services provided by the physical layer	TEI	R2
RP-030480	25.302	141	-	4.7.0	Rel-4	Correction to FDD downlink transport channel combinations for SCCPCH	approved	A	4.8.0	Services provided by the physical layer	TEI	R2
RP-030480	25.302	142	-	5.5.0	Rel-5	Correction to FDD downlink transport channel combinations for SCCPCH	approved	A	5.6.0	Services provided by the physical layer	TEI	R2
RP-030492	25.302	143	-	5.5.0	Rel-5	Correcting model of the UE's physical layer regarding DCH with HS-DSCH	approved	F	5.6.0	Services provided by the physical layer	TEI5	R2
RP-030481	25.305	090	-	3.9.0	R99	Correction to UE Positioning privacy procedures	approved	F	3.10.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	091	-	4.5.0	Rel-4	Correction to UE Positioning privacy procedures	approved	A	4.6.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	092	-	5.6.0	Rel-5	Correction to UE Positioning privacy procedures	approved	A	5.7.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	093	-	3.9.0	R99	Alignment with 25.331 regarding A-GPS assistance data	approved	F	3.10.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	094	-	4.5.0	Rel-4	Alignment with 25.331 regarding A-GPS assistance data	approved	A	4.6.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2

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RP-030481	25.305	095	-	5.6.0	Rel-5	Alignment with 25.331 regarding A-GPS assistance data	approved	A	5.7.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	096	-	3.9.0	R99	UE positioning support in the UE	approved	F	3.10.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	097	-	4.5.0	Rel-4	UE positioning support in the UE	approved	A	4.6.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030481	25.305	098	-	5.6.0	Rel-5	UE positioning support in the UE	approved	A	5.7.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030493	25.306	072	-	5.5.0	Rel-5	Addition of memory unit in UE Radio Access Capabilities tables	approved	F	5.6.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-030482	25.306	073	-	3.8.0	R99	Correction of Maximum hc context space capability	approved	F	3.9.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	074	-	4.7.0	Rel-4	Correction of Maximum hc context space capability	approved	A	4.8.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	075	-	5.5.0	Rel-5	Correction of Maximum hc context space capability	approved	A	5.6.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	076	-	3.8.0	R99	UE positioning support in the UE	approved	F	3.9.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	077	-	4.7.0	Rel-4	UE positioning support in the UE	approved	A	4.8.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	078	-	5.5.0	Rel-5	UE positioning support in the UE	approved	F	5.6.0	UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	079	-	3.8.0	R99	Definition of minimum UE capability class	rejected	F		UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	080	-	4.7.0	Rel-4	Definition of minimum UE capability class	rejected	A		UE Radio Access capabilities definition	TEI	R2
RP-030482	25.306	081	-	5.5.0	Rel-5	Definition of minimum UE capability class	rejected	A		UE Radio Access capabilities definition	TEI	R2
RP-030494	25.321	174	1	5.5.0	Rel-5	MAC-hs Re-ordering Protocol Correction & MAC-hs window re-ordering	revised	F		Medium Access Control (MAC) protocol specification	HDPA-L23	R2
RP-030536	25.321	174	2	5.5.0	Rel-5	MAC-hs Re-ordering Protocol Correction & MAC-hs window re-ordering	approved	F	5.6.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030494	25.321	175	-	5.5.0	Rel-5	Addition of HS-DSCH Provided Bit Rate measurement	approved	C	5.6.0	Medium Access Control (MAC) protocol specification	HDPA-L23	R2
RP-030501	25.321	176	-	3.15.0	R99	TFCS selection guidelines for TFC Subset	approved	F	3.16.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-030501	25.321	177	-	4.8.0	Rel-4	TFCS selection guidelines for TFC Subset	approved	A	4.9.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-030501	25.321	178	-	5.5.0	Rel-5	TFCS selection guidelines for TFC Subset	approved	A	5.6.0	Medium Access Control (MAC) protocol specification	TEI	R2
RP-030483	25.322	228	-	3.15.0	R99	SDU Concatenation Exceptions and SDU Concatenation in AM Mode	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	229	-	4.9.0	Rel-4	SDU Concatenation Exceptions and SDU Concatenation in AM Mode	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	230	-	5.5.0	Rel-5	SDU Concatenation Exceptions and SDU Concatenation in AM Mode	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	231	1	3.15.0	R99	Decision of Discarded SDUs from Discarded PDUs	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	232	1	4.9.0	Rel-4	Decision of Discarded SDUs from Discarded PDUs	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	233	1	5.5.0	Rel-5	Decision of Discarded SDUs from Discarded PDUs	approved	F	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2

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RP-030483	25.322	234	1	3.15.0	R99	RLC Reset Triggering and Update of VT(RST)	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	235	1	4.9.0	Rel-4	RLC Reset Triggering and Update of VT(RST)	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	236	1	5.5.0	Rel-5	RLC Reset Triggering and Update of VT(RST)	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	237	-	3.15.0	R99	Correction to the 'SDU discard with explicit signalling' procedure	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	238	-	4.9.0	Rel-4	Correction to the 'SDU discard with explicit signalling' procedure	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	239	-	5.5.0	Rel-5	Correction to the 'SDU discard with explicit signalling' procedure	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030478	25.322	240	-	3.15.0	R99	Elimination of EPC mechanism	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030478	25.322	241	-	4.9.0	Rel-4	Elimination of EPC mechanism	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030478	25.322	242	-	5.5.0	Rel-5	Elimination of EPC mechanism	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	243	-	3.15.0	R99	Correction of MRW and RESET timers in RLC	approved	F	3.16.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	244	-	4.9.0	Rel-4	Correction of MRW and RESET timers in RLC	approved	A	4.10.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030483	25.322	245	-	5.5.0	Rel-5	Correction of MRW and RESET timers in RLC	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030490	25.322	246	-	4.9.0	Rel-4	Reconfiguration of RLC window size	approved	F	4.10.0	Radio Link Control (RLC) protocol specification	TEI4	R2
RP-030490	25.322	247	-	5.5.0	Rel-5	Reconfiguration of RLC window size	approved	A	5.6.0	Radio Link Control (RLC) protocol specification	TEI4	R2
RP-030484	25.331	1991	-	3.15.0	R99	Handling of key sets at Inter-RAT Handover to UTRAN	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	1992	-	4.10.0	Rel-4	Handling of key sets at Inter-RAT Handover to UTRAN	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	1993	-	5.5.0	Rel-5	Handling of key sets at Inter-RAT Handover to UTRAN	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	1994	-	3.15.0	R99	Correction to UE Positioning privacy procedures	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	1995	-	4.10.0	Rel-4	Correction to UE Positioning privacy procedures	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	1996	-	5.5.0	Rel-5	Correction to UE Positioning privacy procedures	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030495	25.331	1997	-	5.5.0	Rel-5	Correction to UE behaviour on T317 expiry	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030504	25.331	1998	-	3.15.0	R99	Reconfiguration with state transition to an indicated cell on a different frequency	revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030506	25.331	1998	1	3.15.0	R99	Reconfiguration with state transition to an indicated cell on a different frequency	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	-	R2
RP-030504	25.331	1999	-	4.10.0	Rel-4	Reconfiguration with state transition to an indicated cell on a different frequency	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030506	25.331	1999	1	4.10.0	Rel-4	Reconfiguration with state transition to an indicated cell on a different frequency	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	-	R2

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RP-030504	25.331	2000	-	5.5.0	Rel-5	Reconfiguration with state transition to an indicated cell on a different frequency	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2001	1	3.15.0	R99	START calculation	revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030520	25.331	2001	2	3.15.0	R99	START calculation in connected mode	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2002	1	4.10.0	Rel-4	START calculation	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030520	25.331	2002	2	4.10.0	Rel-4	START calculation in connected mode	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2003	1	5.5.0	Rel-5	START calculation	revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030520	25.331	2003	2	5.5.0	Rel-5	START calculation in connected mode	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2004	-	3.15.0	R99	PRACH channelisation code list limitation to align with TS 25.221	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2005	-	4.10.0	Rel-4	PRACH channelisation code list limitation to align with TS 25.221	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2006	-	5.5.0	Rel-5	PRACH channelisation code list limitation to align with TS 25.221	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2007	-	3.15.0	R99	Handling of transport channel information at radio bearer release	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2008	-	4.10.0	Rel-4	Handling of transport channel information at radio bearer release	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2009	-	5.5.0	Rel-5	Handling of transport channel information at radio bearer release	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2010	-	3.15.0	R99	Reconfiguration with transition to CELL_PCH or URA_PCH	rejected	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2011	-	4.10.0	Rel-4	Reconfiguration with transition to CELL_PCH or URA_PCH	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030484	25.331	2012	-	5.5.0	Rel-5	Reconfiguration with transition to CELL_PCH or URA_PCH	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2013	-	3.15.0	R99	Corrections for TDD for the IEs “Downlink DPCH info common for all radio links”	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2014	-	4.10.0	Rel-4	Corrections for TDD for the IEs “Downlink DPCH info common for all radio links”	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2015	-	5.5.0	Rel-5	Corrections for TDD for the IEs “Downlink DPCH info common for all radio links”	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2016	-	3.15.0	R99	TFCS selection guidelines for TFC Subset	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2017	-	4.10.0	Rel-4	TFCS selection guidelines for TFC Subset	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2018	-	5.5.0	Rel-5	TFCS selection guidelines for TFC Subset	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030491	25.331	2019	-	4.10.0	Rel-4	Ciphering of TM SRBs	approved	F	4.11.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030491	25.331	2020	-	5.5.0	Rel-5	Ciphering of TM SRBs	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030491	25.331	2021	1	4.10.0	Rel-4	Correction on PDCP Header Compression Configuration	approved	F	4.11.0	Radio Resource Control (RRC) protocol specification	TEI4	R2

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RP-030491	25.331	2022	1	5.5.0	Rel-5	Correction on PDCP Header Compression Configuration	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030485	25.331	2023	-	3.15.0	R99	Value range of UE Rx-Tx time difference type 2 measurement	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2024	-	4.10.0	Rel-4	Value range of UE Rx-Tx time difference type 2 measurement	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2025	-	5.5.0	Rel-5	Value range of UE Rx-Tx time difference type 2 measurement	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030491	25.331	2026	-	4.10.0	Rel-4	Corrections for TDD PUSCH	approved	F	4.11.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030491	25.331	2027	-	5.5.0	Rel-5	Corrections for TDD PUSCH	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030449	25.331	2028	-	5.5.0	Rel-5	Reconfiguration of MAC-d flow	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030495	25.331	2029	-	5.5.0	Rel-5	Correcting value range of MAC-hs buffer ID	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030495	25.331	2030	-	5.5.0	Rel-5	Correction of handling of IE "MAC-hs reset indicator" in Added or Reconfigured DL TrCH information	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030485	25.331	2031	1	3.15.0	R99	Activation Time for DSCH	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2032	1	4.10.0	Rel-4	Activation Time for DSCH	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2033	-	5.5.0	Rel-5	Activation Time for HS-DSCH	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030479	25.331	2034	-	5.5.0	Rel-5	Maintaining the RRC Connection while Emergency camped on a F-PLMN during OOS	rejected	C		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030548	25.331	2034	1	5.5.0	Rel-6	Maintaining the RRC Connection while Emergency camped on a F-PLMN during OOS	approved	C	6.0.0	Radio Resource Control (RRC) protocol specification	TEI6	R2
RP-030495	25.331	2035	1	5.5.0	Rel-5	UE capability signalling for UMTS1800	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	RInImp-UMTS18	R2
RP-030485	25.331	2036	1	3.15.0	R99	START value calculation for RLC size change	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2037	1	4.10.0	Rel-4	START value calculation for RLC size change	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030495	25.331	2039	-	5.5.0	Rel-5	Handover between UTRAN and GERAN Iu mode	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030495	25.331	2040	-	5.5.0	Rel-5	Updated references to the RRC State Indicator IE	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030495	25.331	2041	-	5.5.0	Rel-5	Corrections to Event 1D	approved	C	5.6.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030485	25.331	2042	-	3.15.0	R99	Correction of PDCP Configuration for RFC 2507	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2043	-	4.10.0	Rel-4	Correction of PDCP Configuration for RFC 2507	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030485	25.331	2044	-	5.5.0	Rel-5	Correction of PDCP Configuration for RFC 2507	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2

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RP-030486	25.331	2046	-	3.15.0	R99	Corrections to event list handling	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2047	-	4.10.0	Rel-4	Corrections to event list handling	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2048	-	5.5.0	Rel-5	Corrections to event list handling	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2049	-	3.15.0	R99	Corrections to RACH reporting	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2050	-	4.10.0	Rel-4	Corrections to RACH reporting	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2051	-	5.5.0	Rel-5	Corrections to RACH reporting	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2052	-	3.15.0	R99	Corrections to modification of Additional Measurement lists	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2053	-	4.10.0	Rel-4	Corrections to modification of Additional Measurement lists	approved	F	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2054	-	5.5.0	Rel-5	Corrections to modification of Additional Measurement lists	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2055	1	3.15.0	R99	UE positioning support in the UE	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2056	-	4.10.0	Rel-4	UE positioning support in the UE	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2057	-	5.5.0	Rel-5	UE positioning support in the UE	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2058	1	3.15.0	R99	Corrections for minimum UE capability class	revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030552	25.331	2058	2	3.15.0	R99	Corrections for minimum UE capability class	rejected	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2059	1	4.10.0	Rel-4	Corrections for minimum UE capability class	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030552	25.331	2059	2	4.10.0	Rel-4	Corrections for minimum UE capability class	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2060	1	5.5.0	Rel-5	Corrections for minimum UE capability class	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030552	25.331	2060	2	5.5.0	Rel-5	Corrections for minimum UE capability class	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030462	25.331	2061	-	5.5.0	Rel-5	HS-SCCH transmit diversity mode	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030478	25.331	2062	-	3.15.0	R99	Elimination of EPC mechanism	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030478	25.331	2063	-	4.10.0	Rel-4	Elimination of EPC mechanism	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030478	25.331	2064	-	5.5.0	Rel-5	Elimination of EPC mechanism	approved	A	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030502	25.331	2065	-	5.5.0	Rel-5	Scrambling code & phase reference combinations for HS-DSCH (solution 1)	rejected	C		Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030503	25.331	2066	-	5.5.0	Rel-5	Scrambling code & phase reference combinations for HS-DSCH (solution 2)	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2

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RP-030486	25.331	2067	-	3.15.0	R99	UE behaviour in transition from CELL_DCH to CELL_FACH/ CELL_PCH/URA_PCH and Out of Service is detected	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2068	-	4.10.0	Rel-4	UE behaviour in transition from CELL_DCH to CELL_FACH/ CELL_PCH/URA_PCH and Out of Service is detected	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030486	25.331	2069	-	5.5.0	Rel-5	UE behaviour in transition from CELL_DCH to CELL_FACH/ CELL_PCH/URA_PCH and Out of Service is detected	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030505	25.331	2070	2	3.15.0	R99	Radio link failure during reconfiguration procedure	approved	F	3.16.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030505	25.331	2071	2	4.10.0	Rel-4	Radio link failure during reconfiguration procedure	approved	A	4.11.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030505	25.331	2072	1	5.5.0	Rel-5	Radio link failure during reconfiguration procedure	approved	F	5.6.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030445	25.413	578	-	5.5.0	Rel-5	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	F	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030437	25.413	582	1	3.13.0	R99	Essential Correction of Iu Release Request issue	approved	F	3.14.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030437	25.413	583	1	4.9.0	Rel-4	Essential Correction of Iu Release Request issue	approved	A	4.10.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030437	25.413	584	1	5.5.0	Rel-5	Essential Correction of Iu Release Request issue	approved	A	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030439	25.413	586	2	5.5.0	Rel-5	Introduction of positioning methods	approved	B	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030439	25.413	590	1	5.5.0	Rel-5	Alignment of RANAP and RNSAP CRRM solutions	approved	F	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	RANimp-RRM1	R3
RP-030439	25.413	594	-	5.5.0	Rel-5	RNC use of IMSI within Relocation Resource Allocation	approved	F	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030446	25.413	595	-	5.5.0	Rel-5	Removal of the “Note” in chapter 10	approved	F	5.6.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030445	25.419	118	-	5.4.0	Rel-5	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	F	5.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI5	R3
RP-030446	25.419	119	1	5.4.0	Rel-5	Removal of the “Note” in chapter 10	approved	F	5.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI5	R3
RP-030438	25.419	123	2	4.8.0	Rel-4	Correction of Number of Broadcast to be Reported	approved	F	4.9.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI4	R3
RP-030438	25.419	124	2	5.4.0	Rel-5	Correction of Number of Broadcast Reported	approved	A	5.5.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI4	R3
RP-030451	25.423	843	2	5.6.0	Rel-5	Discard timer signalling for HSDPA	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3

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RP-030452	25.423	844	1	5.6.0	Rel-5	Phase Reference Signalling Support	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030449	25.423	847	2	5.6.0	Rel-5	HS-DSCH Priority Queue to Modify	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3
RP-030450	25.423	848	1	5.6.0	Rel-5	MAC-hs Reordering Buffer Size	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3
RP-030536	25.423	848	2	5.6.0	Rel-5	MAC-hs Reordering Buffer Size	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3
RP-030443	25.423	850	-	3.13.0	R99	Corrections to Tx Diversity	approved	F	3.14.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030443	25.423	851	-	4.9.0	Rel-4	Corrections to Tx Diversity	approved	A	4.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030443	25.423	852	-	5.6.0	Rel-5	Corrections to Tx Diversity	approved	A	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030440	25.423	853	1	5.6.0	Rel-5	Correction of the Measurement Increase/Decrease Threshold IE	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030444	25.423	855	-	4.9.0	Rel-4	“On Modification” and “Periodic” reporting alignment for Information Exchange procedures	approved	F	4.10.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI4	R3
RP-030444	25.423	856	-	5.6.0	Rel-5	“On Modification” and “Periodic” reporting alignment for Information Exchange procedures	approved	A	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI4	R3
RP-030445	25.423	857	-	5.6.0	Rel-5	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030440	25.423	858	-	5.6.0	Rel-5	Corrections on Uplink Signalling Tranfer	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030447	25.423	860	2	5.6.0	Rel-5	Coordination with RRC about the TFS of DL DCH for HS-DSCH	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3
RP-030453	25.423	862	1	5.6.0	Rel-5	HS-DSCH information usage description clarification	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IublIur	R3
RP-030440	25.423	865	1	5.6.0	Rel-5	RNSAP correction for CRRM alignment	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5, RANimp-ImpRRM	R3
RP-030446	25.423	866	-	5.6.0	Rel-5	Removal of the “Note” in chapter 10	approved	F	5.7.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3

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RP-030448	25.424	025	1	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iur interface data transport & transport signalling for CCH data streams	HSDPA-IublIur	R3
RP-030507	25.424	025	2	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iur interface data transport & transport signalling for CCH data streams	HSDPA-IublIur	R3
RP-030538	25.424	025	3	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	approved	F	5.2.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	HSDPA-IublIur	R3
RP-030448	25.426	031	1	5.2.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	HSDPA-IublIur	R3
RP-030507	25.426	031	2	5.2.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	HSDPA-IublIur	R3
RP-030538	25.426	031	3	5.2.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	approved	F	5.3.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	HSDPA-IublIur	R3
RP-030447	25.427	089	1	5.1.0	Rel-5	Coordination with RRC about the TFS of DL DCH for HS-DSCH	approved	F	5.2.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	HSDPA-IublIur	R3
RP-030451	25.433	868	2	5.5.0	Rel-5	Discard timer signalling for HSDPA	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-030452	25.433	869	1	5.5.0	Rel-5	Phase Reference Signalling Support	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030449	25.433	874	2	5.5.0	Rel-5	HS-DSCH Priority Queue to Modify	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-030450	25.433	875	1	5.5.0	Rel-5	MAC-hs Reordering Buffer Size	revised	F		UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-030536	25.433	875	2	5.5.0	Rel-5	MAC-hs Reordering Buffer Size	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-030441	25.433	876	1	5.5.0	Rel-5	Correction of HS-SCCH Code IE	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3
RP-030441	25.433	877	1	5.5.0	Rel-5	Power configuration of PDSCH for TDD	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030443	25.433	879	-	3.13.0	R99	Corrections to Tx Diversity	approved	F	3.14.0	UTRAN Iub interface NBAP signalling	TEI	R3
RP-030443	25.433	880	-	4.9.0	Rel-4	Corrections to Tx Diversity	approved	A	4.10.0	UTRAN Iub interface NBAP signalling	TEI	R3
RP-030443	25.433	881	-	5.5.0	Rel-5	Corrections to Tx Diversity	approved	A	5.6.0	UTRAN Iub interface NBAP signalling	TEI	R3
RP-030444	25.433	883	-	4.9.0	Rel-4	“On Modification” and “Periodic” reporting alignment for Information Exchange procedures	approved	F	4.10.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030444	25.433	884	-	5.5.0	Rel-5	“On Modification” and “Periodic” reporting alignment for Information Exchange procedures	approved	A	5.6.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030445	25.433	886	-	5.5.0	Rel-5	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030446	25.433	887	1	5.5.0	Rel-5	Removal of the “Note” in chapter 10	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030441	25.433	888	1	5.5.0	Rel-5	Correction for the start code number of HS-PDSCH	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-IublIur	R3

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RP-030447	25.433	890	2	5.5.0	Rel-5	Coordination with RRC about the TFS of DL DCH for HS-DSCH	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3
RP-030453	25.433	893	2	5.5.0	Rel-5	HS-DSCH information usage description correction	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3
RP-030441	25.433	894	-	5.5.0	Rel-5	Correction of CR 609 implementation error on definition of end of audit sequence indicator and dwPCH power	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030441	25.433	898	2	5.5.0	Rel-5	Clarification to the Constant Value for TDD	approved	F	5.6.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030448	25.434	027	1	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iub interface data transport & transport signalling for CCH data streams	HSDPA-lublur	R3
RP-030507	25.434	027	2	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	revised	F		UTRAN Iub interface data transport & transport signalling for CCH data streams	HSDPA-lublur	R3
RP-030538	25.434	027	3	5.1.0	Rel-5	Handling of maximum bit rate exceeding 2048Kbit/s	approved	F	5.2.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	HSDPA-lublur	R3
RP-030442	25.453	051	-	5.6.0	Rel-5	Correction to an incorrect implementation in the Requested Data Value Information IE	approved	F	5.7.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030442	25.453	052	-	6.1.0	Rel-6	Correction to an incorrect implementation in the Requested Data Value Information IE	approved	A	6.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030445	25.453	053	-	5.6.0	Rel-5	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	F	5.7.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030445	25.453	054	-	6.1.0	Rel-6	Alignment of title and sub-clause text of chapter 10.3.4.2	approved	A	6.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030446	25.453	058	-	5.6.0	Rel-5	Removal of the “Note” in chapter 10	approved	F	5.7.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030446	25.453	059	-	6.1.0	Rel-6	Removal of the “Note” in chapter 10	approved	A	6.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030454	25.453	060	-	6.1.0	Rel-6	Improvement of position calculation with pathloss	approved	C	6.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	LCS-Rel4Pos	R3
RP-030488	25.921	045	-	3.8.0	R99	Guideline on introducing additional SIB types	approved	F	3.9.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-030488	25.921	046	-	4.5.0	Rel-4	Guideline on introducing additional SIB types	approved	A	4.6.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-030488	25.921	047	-	5.1.0	Rel-5	Guideline on introducing additional SIB types	approved	A	5.2.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-030496	25.922	023	1	5.0.0	Rel-5	UTRAN-GERAN handovers	approved	F	5.1.0	Radio Resource Management Strategies	TEI5	R2
RP-030496	25.922	024	-	5.0.0	Rel-5	Admission Control strategies in case of Handover	approved	C	5.1.0	Radio Resource Management Strategies	TEI5	R2
RP-030496	25.922	025	-	5.0.0	Rel-5	Example of congestion control strategies	approved	C	5.1.0	Radio Resource Management Strategies	TEI5	R2

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RP-030422	25.942	011	1	6.0.0	Rel-6	Methodology for coexistence studies of UTRA FDD with other radio technologies	approved	F	6.1.0	RF system scenarios	RInImp-UMTS850	R4
RP-030424	25.951	002	1	6.1.0	Rel-6	Localised interference in an operator's own network	approved	B	6.2.0	Base Station (BS) classification (FDD)	RInImp-BSClass-FDD	R4
RP-030489	25.993	011	-	6.2.0	Rel-6	Corrections on required capabilities for 32kbps UE class	rejected	F		Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030497	25.993	012	-	6.2.0	Rel-6	IMS RAB scenarios	approved	F	6.3.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI5	R2
RP-030489	25.993	013	-	6.2.0	Rel-6	Addition of Streaming RABs	approved	F	6.3.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030461	25.996	001	2	6.0.0	Rel-6	Corrections and clarifications to Spatial Channel Model Technical Report	approved	F	6.1.0	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	RinImp-MIMO	R1
SP-030444	26.073	018	-	5.1.0	Rel-5	Correction of the MMS_IO flag	approved	F	5.2.0	AMR speech Codec; C-source code	AMR	S4
SP-030445	26.132	026	-	5.3.0	Rel-5	Loudness rating measurements at lower bit rates	approved	F	5.4.0	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	TEI5	S4
SP-030446	26.173	019	-	5.7.1	Rel-5	Possible decoder LPC coefficients overflow	approved	F	5.8.0	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	AMR WB	S4
SP-030447	26.204	008	-	5.1.0	Rel-5	Possible decoder LPC coefficients overflow	approved	F	5.2.0	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	AMR WB-FP	S4
SP-030448	26.234	061	1	5.5.0	Rel-5	Clarification on session bandwidth for RS and RR RTCP modifiers	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	062	1	5.5.0	Rel-5	Correction of ambiguous range headers in SDP	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	063	1	5.5.0	Rel-5	Timed-Text layout example	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	064	-	5.5.0	Rel-5	Correction of ambiguity in RTP timestamps handling after PAUSE/PLAY RTSP requests	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	065	-	5.5.0	Rel-5	Correction of obsolete RTP references	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	066	1	5.5.0	Rel-5	Correction of wrong reference	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030448	26.234	067	-	5.5.0	Rel-5	Missing signaling of live content	approved	F	5.6.0	Transparent end-to-end streaming service; Protocols and codecs	PSS-E	S4
SP-030449	26.236	006	-	5.3.0	Rel-5	Correction of obsolete RTP references	approved	F	5.4.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC	S4

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SP-030449	26.236	007	1	5.3.0	Rel-5	Correction of wrong reference	approved	F	5.4.0	Packet switched conversational multimedia applications; Transport protocols	IMS-CODEC	S4
SP-030450	26.976	001	-	5.0.0	Rel-5	Reference to incorrect test results	approved	F	5.1.0	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	AMR WB	S4
NP-030328	27.001	100	3	5.6.0	Rel-5	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	A	5.7.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
NP-030328	27.001	102	1	3.12.0	R99	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	F	3.13.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
NP-030328	27.001	103	1	4.10.0	Rel-4	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	A	4.11.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	TEI	N3
TP-030172	27.007	111	-	6.2.0	Rel-6	Adding reference to 24.008 for the 3G QoS AT-commands.	revised	A		AT command set for 3G User Equipment (UE)	TEI5	T2
TP-030212	27.007	111	1	6.3.0	Rel-6	Adding reference to 24.008 for the 3G QoS AT-commands.	approved	A	6.4.0	AT command set for 3G User Equipment (UE)	TEI5	T2
TP-030172	27.007	112	-	5.3.0	Rel-5	Adding reference to 24.008 for the 3G QoS AT-commands.	withdrawn	F		AT command set for 3G User Equipment (UE)	TEI5	T2
TP-030212	27.007	112	-	5.3.0	Rel-5	Adding reference to 24.008 for the 3G QoS AT-commands.	approved	F	5.4.0	AT command set for 3G User Equipment (UE)	TEI5	T2
TP-030172	27.007	113	-	4.6.0	Rel-4	Corrections to AcTs of PLMN Selection	withdrawn	F		AT command set for 3G User Equipment (UE)	TI-ATC	T2
TP-030212	27.007	113	-	4.6.0	Rel-4	Corrections to AcTs of PLMN Selection	withdrawn	F		AT command set for 3G User Equipment (UE)	TI-ATC	T2
TP-030172	27.007	114	-	5.3.0	Rel-5	Corrections to AcTs of PLMN Selection	withdrawn	A		AT command set for 3G User Equipment (UE)	TI-ATC	T2
TP-030212	27.007	114	-	5.3.0	Rel-5	Corrections to AcTs of PLMN Selection	withdrawn	A		AT command set for 3G User Equipment (UE)	TI-ATC	T2
TP-030172	27.007	115	-	6.2.0	Rel-6	Corrections to AcTs of PLMN Selection	revised	A		AT command set for 3G User Equipment (UE)	TI-ATC	T2
TP-030212	27.007	115	1	6.3.0	Rel-6	Corrections to AcTs of PLMN Selection	withdrawn	A		AT command set for 3G User Equipment (UE)	TI-ATC	T2
NP-030332	27.060	086	2	5.4.0	Rel-5	Correcting concept description from media level to IP level	approved	F	5.5.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	E2EQoS	N3
NP-030340	27.060	087	1	5.4.0	Rel-5	Correcting that SBLP is needed for applying functions	approved	F	5.5.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	E2EQoS	N3
SP-030451	28.062	040	-	5.3.0	Rel-5	Removal of Pre-Handover Notification for UMTS	approved	F	5.4.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	TEI5	S4
NP-030378	29.002	582	2	4.12.0	Rel-4	Correction to MAP Process Secure_MAP_DSM SDLs	approved	F	4.13.0	Mobile Application Part (MAP) specification	Security	N4
NP-030378	29.002	583	2	5.6.2	Rel-5	Correction to MAP Process Secure_MAP_DSM SDLs	approved	A	5.7.0	Mobile Application Part (MAP) specification	Security	N4
NP-030378	29.002	584	2	6.2.0	Rel-6	Correction to MAP Process Secure_MAP_DSM SDLs	approved	A	6.3.0	Mobile Application Part (MAP) specification	Security	N4
NP-030393	29.002	596	1	5.6.2	Rel-5	SRF-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-payed subscribers	rejected	B		Mobile Application Part (MAP) specification	MNP	N4

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NP-030393	29.002	597	1	6.2.0	Rel-6	SRF-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-payed subscribers	rejected	B		Mobile Application Part (MAP) specification	MNP	N4
NP-030387	29.002	613	3	5.6.2	Rel-5	HLR Interrogation for SCUDIF calls	approved	F	5.7.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-030387	29.002	614	3	6.2.0	Rel-6	HLR Interrogation for SCUDIF calls	approved	A	6.3.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-030392	29.002	615	2	5.6.2	Rel-5	Incorrect Charging with MNP	approved	F	5.7.0	Mobile Application Part (MAP) specification	MNP	N4
NP-030392	29.002	616	2	6.2.0	Rel-6	Incorrect Charging with MNP	approved	A	6.3.0	Mobile Application Part (MAP) specification	MNP	N4
NP-030391	29.002	636	2	5.6.2	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 19	approved	F	5.7.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030391	29.002	637	1	6.2.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 19	approved	A	6.3.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030391	29.002	638	-	5.6.2	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 20	approved	F	5.7.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030391	29.002	639	-	6.2.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 20	approved	A	6.3.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030391	29.002	640	-	5.6.2	Rel-5	Provision of SDL diagrams and removal of redundant text in chapter 21	approved	F	5.7.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030391	29.002	641	-	6.2.0	Rel-6	Provision of SDL diagrams and removal of redundant text in chapter 21	approved	A	6.3.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030397	29.002	642	-	6.2.0	Rel-6	Removal of SIWF description	withdrawn	F		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	642	-	6.2.0	Rel-6	Removal of SIWF description	approved	F	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030397	29.002	643	-	6.2.0	Rel-6	Deletion of redundant Annex D	withdrawn	D		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	643	-	6.2.0	Rel-6	Deletion of redundant Annex D	approved	D	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030397	29.002	644	-	6.2.0	Rel-6	Incorrect CAMEL pre-paid charging in MNP networks	withdrawn	D		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	644	-	6.2.0	Rel-6	Incorrect CAMEL pre-paid charging in MNP networks	approved	D	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030398	29.002	645	1	6.2.0	Rel-6	Introduction of North American Interim Location Based Routing	withdrawn	B		Mobile Application Part (MAP) specification	LCS2	N4
NP-030427	29.002	645	1	6.2.0	Rel-6	Introduction of North American Interim Location Based Routing	approved	B	6.3.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030390	29.002	646	1	5.6.2	Rel-5	UESBI format	approved	F	5.7.0	Mobile Application Part (MAP) specification	LATE_UE	N4
NP-030390	29.002	647	1	6.2.0	Rel-6	UESBI format	approved	A	6.3.0	Mobile Application Part (MAP) specification	LATE_UE	N4
NP-030397	29.002	648	-	6.2.0	Rel-6	Correction of wrong AC name in the table in 17.1.6	withdrawn	D		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	648	-	6.2.0	Rel-6	Correction of wrong AC name in the table in 17.1.6	approved	D	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030397	29.002	649	-	6.2.0	Rel-6	Correction of References	withdrawn	F		Mobile Application Part (MAP) specification	TEI6	N4

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NP-030426	29.002	649	-	6.2.0	Rel-6	Correction of References	approved	F	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030397	29.002	650	1	6.2.0	Rel-6	Add SGSN, GGSN, GMLC, gsmSCF, NPLR and AuC to network resource parameter	withdrawn	F		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	650	1	6.2.0	Rel-6	Add SGSN, GGSN, GMLC, gsmSCF, NPLR and AuC to network resource parameter	approved	F	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030398	29.002	654	-	6.2.0	Rel-6	New LCS Service Types	withdrawn	B		Mobile Application Part (MAP) specification	LCS2	N4
NP-030427	29.002	654	-	6.2.0	Rel-6	New LCS Service Types	approved	B	6.3.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030386	29.002	656	-	5.6.2	Rel-5	Reduce maximum length of “LCS Requestor ID” and “LCS	approved	F	5.7.0	Mobile Application Part (MAP) specification	LCS1	N4
NP-030386	29.002	657	-	6.2.0	Rel-6	Reduce maximum length of “LCS Requestor ID” and “LCS	approved	A	6.3.0	Mobile Application Part (MAP) specification	LCS1	N4
NP-030387	29.002	659	2	5.6.2	Rel-5	Notification of the 2nd BSG in case of Late CF with OR	approved	F	5.7.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-030387	29.002	660	2	6.2.0	Rel-6	Notification of the 2nd BSG in case of Late CF with OR	approved	A	6.3.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-030379	29.002	661	1	3.17.0	R99	Correction of encoding description of Group-Id	approved	A	3.18.0	Mobile Application Part (MAP) specification	ASCI	N4
NP-030379	29.002	662	1	4.12.0	Rel-4	Correction of encoding description of Group-Id	approved	A	4.13.0	Mobile Application Part (MAP) specification	ASCI	N4
NP-030379	29.002	663	1	5.6.2	Rel-5	Correction of encoding description of Group-Id	approved	A	5.7.0	Mobile Application Part (MAP) specification	ASCI	N4
NP-030379	29.002	664	1	6.2.0	Rel-6	Correction of encoding description of Group-Id	approved	A	6.3.0	Mobile Application Part (MAP) specification	ASCI	N4
NP-030397	29.002	671	-	6.2.0	Rel-6	SS-Barring Category	withdrawn	D		Mobile Application Part (MAP) specification	TEI6	N4
NP-030426	29.002	671	-	6.2.0	Rel-6	SS-Barring Category	approved	D	6.3.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030397	29.002	674	-	6.2.0	Rel-6	Positioning Data for UTRAN LCS	withdrawn	F		Mobile Application Part (MAP) specification	TEI6	N4
NP-030427	29.002	674	-	6.2.0	Rel-6	Positioning Data for UTRAN LCS	approved	F	6.3.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030328	29.007	080	2	5.6.0	Rel-5	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	A	5.7.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030329	29.007	081	1	5.6.0	Rel-5	Alignment of negotiation rules with 27.001	approved	A	5.7.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030327	29.007	083	2	4.8.0	Rel-4	Clarification of Handover description	approved	F	4.9.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	CSSPLIT	N3

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NP-030327	29.007	084	2	5.6.0	Rel-5	Clarification of Handover description	approved	A	5.7.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	CSSPLIT	N3
NP-030329	29.007	085	-	3.12.0	R99	Alignment of negotiation rules with 27.001	approved	F	3.13.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030329	29.007	086	-	4.8.0	Rel-4	Alignment of negotiation rules with 27.001	approved	A	4.9.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030328	29.007	087	-	3.12.0	R99	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	F	3.13.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030328	29.007	088	-	4.8.0	Rel-4	Interpretation of "no BC-IE in CALL PROC/CONF messages"	approved	A	4.9.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI	N3
NP-030390	29.010	091	-	5.3.1	Rel-5	Addition of Early UE specific cause code mapping	approved	F	5.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	LATE_UE	N4
NP-030397	29.010	092	2	5.3.1	Rel-6	Information transfer at MAP-E interface during inter MSC handover/relocation	revised	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	TEI6	N4
NP-030426	29.010	092	2	5.3.1	Rel-6	Information transfer at MAP-E interface during inter MSC handover/relocation	approved	F	6.0.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	TEI6	N4
NP-030405	29.018	036	-	3.10.0	R99	Aligning IMEI in 29.018 with 23.003	approved	F	3.11.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI	N1
NP-030405	29.018	037	-	4.4.0	Rel-4	Aligning IMEI in 29.018 with 23.003	approved	A	4.5.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI	N1

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NP-030405	29.018	038	-	5.4.0	Rel-5	Aligning IMEI in 29.018 with 23.003	approved	A	5.5.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI	N1
NP-030417	29.018	039	-	5.4.0	Rel-5	Correction to location update procedures in VLR	approved	F	5.5.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	LATE_UE	N1
NP-030381	29.060	432	-	4.8.0	Rel-4	Correction of incorrect reference to a withdrawn specification	approved	F	4.9.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI4	N4
NP-030381	29.060	433	-	5.6.0	Rel-5	Correction of incorrect reference to a withdrawn specification	approved	A	5.7.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI4	N4
NP-030381	29.060	434	-	6.1.0	Rel-6	Correction of incorrect reference to a withdrawn specification	approved	A	6.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI4	N4
NP-030382	29.060	435	-	3.17.0	R99	Correction of incorrect reference	rejected	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-030396	29.060	436	1	6.1.0	Rel-6	Removal of End User Address from Create Subsequent PDP Context Response	approved	F	6.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-030396	29.060	448	2	6.1.0	Rel-6	GTP Cause Modification	approved	F	6.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-030396	29.060	453	2	6.1.0	Rel-6	GGSN Handling of Update PDP Context Response	approved	F	6.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-030390	29.060	454	-	5.6.0	Rel-5	Change of Early UE feature to PUESBINE	approved	F	5.7.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	LATE_UE	N4
NP-030390	29.060	455	-	6.1.0	Rel-6	Change of Early UE feature to PUESBINE	approved	A	6.2.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	LATE_UE	N4
NP-030339	29.061	093	1	5.6.0	Rel-5	Alignment of 29.061 with 29.207	revised	F		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	E2EQoS	N3
NP-030432	29.061	093	1	5.6.0	Rel-5	Alignment of 29.061 with 29.207	approved	F	5.7.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	E2EQoS-IW	N3
NP-030365	29.078	313	1	5.4.0	Rel-5	Correction to parameter name in Connect Operation	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030365	29.078	322	1	5.4.0	Rel-5	Correction to usage of LegId in ICA Operation	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2

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NP-030365	29.078	325	1	5.4.0	Rel-5	Correction to CAP Operation Error values	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030367	29.078	326	-	5.4.0	Rel-5	Correction to PlayTone pre-conditions	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030365	29.078	327	1	5.4.0	Rel-5	Correction to Apply Charging and Apply Charging Report due to introduction of CPH	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030366	29.078	328	1	5.4.0	Rel-5	Usage of Alphanumeric Characters in SMS Address Fields	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030365	29.078	329	2	5.4.0	Rel-5	MoveLeg precondition for source and target CS	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030369	29.078	330	2	5.4.0	Rel-5	Correction to InitialDP for SCUDIF	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030369	29.078	331	1	5.4.0	Rel-5	Introduction of extensibility mechanism in Release 5	approved	F	5.5.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-030352	29.198-01	024	-	5.2.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-030352	29.198-02	036	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA2	N5
NP-030352	29.198-03	085	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030352	29.198-04-1	007	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	OSA2	N5
NP-030352	29.198-04-2	008	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA2	N5
NP-030352	29.198-04-3	014	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA2	N5

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NP-030352	29.198-04-4	009	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA2	N5
NP-030352	29.198-05	039	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA2	N5
NP-030352	29.198-06	023	-	5.2.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	OSA2	N5
NP-030352	29.198-07	014	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	OSA2	N5
NP-030352	29.198-08	026	-	5.3.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA2	N5
NP-030352	29.198-11	020	-	5.2.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA2	N5
NP-030352	29.198-12	022	-	5.2.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA2	N5
NP-030352	29.198-13	004	-	5.1.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	OSA2	N5
NP-030352	29.198-14	013	-	5.2.0	Rel-5	Correction to Java Realisation Annex	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA2	N5
NP-030332	29.207	101	2	5.4.0	Rel-5	Correcting concept description from media level to IP level	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030337	29.207	102	1	5.4.0	Rel-5	Correcting definition of flow id	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030337	29.207	103	1	5.4.0	Rel-5	Correcting the definition of authorization token and adding the definition of binding information	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030334	29.207	104	1	5.4.0	Rel-5	Corrections regarding RTP/RTCP bandwidth	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030335	29.207	105	1	5.4.0	Rel-5	Closing the gate at HOLD	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030336	29.207	106	2	5.4.0	Rel-5	Response to remove decision	approved	F	5.5.0	Policy control over Go interface	E2EQoS	N3
NP-030338	29.208	036	2	5.4.0	Rel-5	Clarification on the use of the inactive attribute at the beginning of the call	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030332	29.208	039	2	5.4.0	Rel-5	Correcting concept description from media level to IP level	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030334	29.208	040	3	5.4.0	Rel-5	Correcting the calculation of RTCP bandwidth	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030338	29.208	041	2	5.4.0	Rel-5	Examples of deriving the Maximum Authorized parameters from the SDP parameters	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030335	29.208	043	1	5.4.0	Rel-5	Closing the gate at HOLD	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3

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NP-030336	29.208	044	-	5.4.0	Rel-5	Response to remove decision	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030338	29.208	045	1	5.4.0	Rel-5	Handling of SIP CANCEL Request	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030338	29.208	047	4	5.4.0	Rel-5	Handling of SIP 200 OK with inactive media	approved	F	5.5.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030395	29.228	041	2	5.4.0	Rel-6	Introduction of Presence Stage 3 (Px) to the Cx interface	approved	B	6.0.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	PRESNC	N4
NP-030383	29.228	042	2	5.4.0	Rel-5	Error in S-CSCF Assignment Type	approved	F	5.5.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030383	29.228	051	2	5.4.0	Rel-5	Mistakes in the XML schema	approved	F	5.5.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030394	29.228	052	-	5.4.0	Rel-6	Sharing public identities across multiple Ues	approved	B	6.0.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS2-CCR	N4
NP-030383	29.228	055	1	5.4.0	Rel-5	Extensibility of the public identity structure in the XML schema	approved	F	5.5.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030383	29.229	022	1	5.4.0	Rel-5	Correction on the PPR command code	approved	F	5.5.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-030384	29.328	032	2	5.4.0	Rel-5	Incorrect message flow in 29.328	approved	F	5.5.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-030384	29.328	033	2	5.4.0	Rel-5	Correction of Sh data definition in Annex C and D	approved	F	5.5.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-030384	29.328	035	2	5.4.0	Rel-5	Mistakes in the XML schema	approved	F	5.5.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-030343	29.962	001	1	6.0.0	Rel-6	Editorial Corrections	approved	D	6.1.0	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	E2EQoS	N3
TP-030179	31.102	154	-	4.9.0	Rel-4	Reservation of service n°54	approved	F	4.10.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	155	-	3.13.0	R99	Correction to SMS	approved	F	3.14.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	156	-	4.9.0	Rel-4	Correction to SMS	approved	F	4.10.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	156	-	3.13.0	R99	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	approved	F	3.14.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	157	-	5.5.0	Rel-5	Correction to SMS	approved	F	5.6.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	157	-	4.9.0	Rel-4	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	approved	A	4.10.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	158	-	5.5.0	Rel-5	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	approved	A	5.6.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	158	-	6.2.0	Rel-6	Correction to SMS	approved	F	6.3.0	Characteristics of the USIM application	TEI	T3

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TP-030179	31.102	159	-	6.2.0	Rel-6	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	approved	A	6.3.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	160	-	6.2.0	Rel-6	Clarification of EF PBR description	approved	F	6.3.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	161	-	3.13.0	R99	Clarification of EF PBR description	approved	F	3.14.0	Characteristics of the USIM application	TEI	T3
TP-030179	31.102	162	-	4.9.0	Rel-4	Clarification of EF PBR description	approved	F	4.10.0	Characteristics of the USIM application	TEI	T3
TP-030180	31.111	096	-	4.10.0	Rel-4	Update of the PROVIDE LOCAL INFORMATION functionnality.	approved	F	4.11.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030180	31.111	097	-	5.4.0	Rel-5	Missing description of TERMINAL PROFILE values for PROVIDE LOCAL INFORMATION functionnality.	approved	F	5.5.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030180	31.111	098	-	4.10.0	Rel-4	Correction of Provide Local Information in case of roaming onto a GSM access network	approved	F	4.11.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030180	31.111	099	-	5.4.0	Rel-5	Correction of Provide Local Information in case of roaming onto a GSM access network	approved	F	5.5.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030184	31.121	026	-	3.6.0	R99	Usage of 3G PDU definition for UEs accessing UTRAN	approved	F	3.7.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-030184	31.121	027	-	4.5.0	Rel-4	Usage of 3G PDU definition for UEs accessing UTRAN	approved	F	4.6.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-030182	31.900	010	-	5.2.0	Rel-5	Clarification of SIM/USIM file mapping table	approved	F	5.3.0	SIM/USIM internal and external interworking aspects	TEI	T3
TP-030182	31.900	011	-	5.2.0	Rel-5	Consequences if USIM services n° 27 and n° 38 are not available.	approved	F	5.3.0	SIM/USIM internal and external interworking aspects	TEI	T3
TP-030182	31.900	012	-	5.2.0	Rel-5	Clarification on the interface protocol when SIM and USIM cohabit on a UICC	approved	B	5.3.0	SIM/USIM internal and external interworking aspects	TEI	T3
SP-030401	32.101	023	-	5.4.0	Rel-5	Removal/Replacement of the term UMTS - Alignment with SA1/2 specifications	approved	F	5.5.0	Telecommunication management; Principles and high level requirements	OAM-AR	S5
SP-030402	32.102	028	-	4.3.0	Rel-4	Correction of subclause X.2.1 in Annex C	approved	F	4.4.0	Telecommunication management; Architecture	OAM-AR	S5
SP-030402	32.102	029	-	5.3.0	Rel-5	Correction of subclause X.2.1 in Annex C	approved	A	5.4.0	Telecommunication management; Architecture	OAM-AR	S5
SP-030403	32.102	030	-	5.3.0	Rel-6	Expansion to UML repertoire to support more concise modelling of stage 2 specifications	approved	C	6.0.0	Telecommunication management; Architecture	OAM-AR	S5
SP-030416	32.111-4	021	-	4.5.0	Rel-4	Correction of syntax error in type SetComment	approved	F	4.6.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030416	32.111-4	022	-	5.5.0	Rel-5	Correction of syntax error in type SetCommentInfo	approved	A	5.6.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030404	32.140	001	-	6.0.0	Rel-6	Correction to figure 3 (Architecture for management of Subscription Profile components)	approved	F	6.1.0	Telecommunication management; Services operations management; Subscription management requirements	SM	S5
SP-030406	32.200	024	-	4.4.0	Rel-4	Stage 2/3 alignment of Location charging principles	approved	F	4.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH	S5

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SP-030406	32.200	025	-	5.4.0	Rel-5	Stage 2/3 alignment of Location charging principles	approved	A	5.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH	S5
SP-030406	32.200	026	-	5.4.0	Rel-5	Corrections on service key related procedures - Alignment with CAMEL	approved	F	5.5.0	Telecommunication management; Charging management; Charging principles	OAM-CH	S5
SP-030407	32.205	019	-	4.4.0	Rel-4	Correction to positioning data in ASN.1.	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030407	32.205	020	-	4.4.0	Rel-4	Correction of ASN.1 code errors in LCS definitions	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030407	32.215	027	-	4.4.0	Rel-4	Corrections of ASN.1 syntax	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-030408	32.235	017	-	5.3.0	Rel-5	Correction of content adaptation indication in the MMS Retrieval CDR - Alignement with T2's 23.140	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for application services	OAM-CH	S5
SP-030415	32.303	011	-	4.4.0	Rel-4	Incorporation of version handling, adopting release 5 agreements	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM	S5
SP-030430	32.401	009	-	5.2.0	Rel-6	Addition of “jobId” and “reportingPeriod” parameters in the file format definition	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-030430	32.401	010	-	5.2.0	Rel-6	Removal of measurement job state and status attributes	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-030430	32.401	011	-	5.2.0	Rel-6	Refinement of the conditions for setting “suspect flag”	approved	C	6.0.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-030431	32.403	018	-	4.4.0	Rel-4	Correction of collection method for SGSN measurements	approved	F	4.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030431	32.403	019	-	5.3.0	Rel-5	Correction of collection method for SGSN measurements	approved	A	5.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030431	32.403	020	-	6.0.0	Rel-6	Correction of collection method for SGSN measurements	approved	A	6.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030431	32.403	021	-	4.4.0	Rel-4	Correction of “outgoing intra-cell hard handovers measurements”	approved	F	4.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5

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SP-030431	32.403	022	-	5.3.0	Rel-5	Correction of “outgoing intra-cell hard handovers measurements”	approved	A	5.4.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030431	32.403	023	-	6.0.0	Rel-6	Correction of “outgoing intra-cell hard handovers measurements”	approved	A	6.1.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030432	32.411	001	-	6.0.0	Rel-6	Expansion of the requirements for threshold alarms on bounded variables	approved	C	6.1.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM	S5
SP-030414	32.615	009	-	5.1.0	Rel-5	Add missing Activities to Session Log XML	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030418	32.615	010	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652/655	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030417	32.624	010	-	4.4.0	Rel-4	Rel-4/5 alignement of OIDs of some attributes and name bindings	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030417	32.624	011	-	5.0.0	Rel-5	Rel-4/5 alignement of OIDs of some attributes and name bindings	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030419	32.632	008	-	4.3.0	Rel-4	Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5
SP-030419	32.632	009	-	5.3.0	Rel-5	Correction of Information Object Classes (IOCs) Notifications - Alignment with 32.102	approved	A	5.4.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5
SP-030420	32.644	004	-	5.1.0	Rel-5	Correction of wrong attribute name	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5

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SP-030418	32.645	005	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema – impacts on 32.645 (UTRAN XML Schema) - Alignment with 32.652/655	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030418	32.652	015	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN NRM - Alignment with 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030418	32.653	006	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN CORBA solution set - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM	S5
SP-030418	32.654	007	-	5.1.0	Rel-5	Inclusion of ExternalBssFunction - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030418	32.655	004	-	5.1.0	Rel-5	Inclusion of External BSS Function in GERAN XML Schema - Alignment with 32.652	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030421	32.674	001	-	5.0.0	Rel-5	Addition of the missing OID for ts32-674Package	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030475	33.102	180	-	5.2.0	Rel-6	Clarification on the usage of the c3 conversion function	approved	F	6.0.0	3G security; Security architecture	SEC1	S3
SP-030476	33.102	181	-	5.2.0	Rel-5	IMEISV retrieval before completion of security mode setup procedure	approved	F	5.3.0	3G security; Security architecture	LATE_UE	S3
SP-030476	33.102	182	-	5.2.0	Rel-5	Mitigation against a man-in-the-middle attack associated with early UE handling	approved	C	5.3.0	3G security; Security architecture	LATE_UE	S3
SP-030477	33.106	005	-	5.1.0	Rel-6	References	rejected	D		Lawful interception requirements	SEC1-LI	S3
SP-030478	33.107	031	-	5.5.0	Rel-5	Missing QoS Parameter in IRI	approved	F	5.6.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-030479	33.107	032	-	5.5.0	Rel-6	TEL URL for IMS interception identity	approved	B	6.0.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-030479	33.107	033	-	5.5.0	Rel-6	Stereo delivery to LEMF	approved	F	6.0.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-030480	33.108	017	-	6.2.0	Rel-6	Correct Abbreviations in TS 33.108	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	017	1	6.2.0	Rel-6	Correct Abbreviations in TS 33.108	approved	D	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030481	33.108	018	-	5.4.0	Rel-5	Syntax error in Annex B.3	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3

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SP-030509	33.108	018	1	5.4.0	Rel-5	Syntax error in Annex B.3	approved	F	5.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030481	33.108	019	-	6.2.0	Rel-6	Syntax error in Annex B.3	revised	A		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030509	33.108	019	1	6.2.0	Rel-6	Syntax error in Annex B.3	approved	A	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030480	33.108	020	-	6.2.0	Rel-6	Inconsistency in Annex B.3	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	020	1	6.2.0	Rel-6	Inconsistency in Annex B.3	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030480	33.108	021	-	6.2.0	Rel-6	Data Link Establishment and Sending part for ROSE operation	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	021	1	6.2.0	Rel-6	Data Link Establishment and Sending part for ROSE operation	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030480	33.108	022	-	6.2.0	Rel-6	Correction on the usage of Lawful Interception identifiers	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	022	1	6.2.0	Rel-6	Correction on the usage of Lawful Interception identifiers	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030480	33.108	023	-	6.2.0	Rel-6	Subscriber controlled input clarification	revised	F		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	023	1	6.2.0	Rel-6	Subscriber controlled input clarification	approved	F	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030480	33.108	024	-	6.2.0	Rel-6	Field separator in subaddress	revised	D		3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030508	33.108	024	1	6.2.0	Rel-6	Field separator in subaddress	approved	D	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030482	33.108	025	-	5.4.0	Rel-5	Reference errors in Annex G	approved	F	5.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030482	33.108	026	-	6.2.0	Rel-6	Reference errors in Annex G	approved	A	6.3.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030483	33.203	042	-	5.6.0	Rel-6	Introducing Cipher key Expansion for IMS	approved	B	6.0.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030484	33.203	043	-	5.6.0	Rel-5	Modification of the security association lifetime management	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030485	33.203	044	-	5.6.0	Rel-5	Annex H in 33.203	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030486	33.203	045	-	5.6.0	Rel-5	Security association handling, behaviour of SIP over TCP and re-authentication	approved	F	5.7.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030487	33.203	046	-	5.6.0	Rel-6	Introducing Confidentiality Protection for IMS	approved	B	6.0.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030488	33.210	011	-	5.4.0	Rel-5	Change of IKE profiling	approved	F	5.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3
SP-030488	33.210	012	-	6.2.0	Rel-6	Change of IKE profiling	approved	A	6.3.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3
SP-030489	33.210	013	-	5.4.0	Rel-5	Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554	approved	F	5.5.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3

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SP-030489	33.210	014	-	6.2.0	Rel-6	Update draft-ietf-ipsec-sctp-03.txt reference to new standard RFC: RFC3554	approved	A	6.3.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3
TP-030191	34.108	227	-	3.12.0	Rel-99	CR to 34.108, R99, Clarification of seg_count in 6.1.0a.3	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	228	-	4.7.0	Rel-4	CR to 34.108, Rel-4, Clarification of seg_count in 6.1.0a.3	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	229	-	3.12.0	Rel-99	General correction in clause 7.4 for Common generic procedures for AS testing	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	230	-	4.7.0	Rel-4	General correction in clause 7.4 for Common generic procedures for AS testing	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	232	-	3.12.0	Rel-99	Incorrect activation time in CELL_FACH state	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	233	-	4.7.0	Rel-4	Incorrect activation time in CELL_FACH state .	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	234	-	3.12.0	Rel-99	Incorrect Transport Channel Parameters	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	235	-	4.7.0	Rel-4	Incorrect Transport Channel Parameters	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	236	-	3.12.0	Rel-99	Corrections to TS 34.108 common procedures in clause 7.4 of R'99 of TS 34.108	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	237	-	4.7.0	Rel-4	Corrections to TS 34.108 common procedures in clause 7.4 of Rel-4 of TS 34.108	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	238	-	3.12.0	Rel-99	Removal of RLC AM in the Default Message Content	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	239	-	4.7.0	Rel-4	Removal of RLC AM in the Default Message Content	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	240	-	4.7.0	Rel-4	RB configuration for the support of wideband AMR speech telephony services	approved	F	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	241	-	3.12.0	Rel-99	CR 34.108 R99: Manual attach in State 7 Registrated Idle Mode on CS/PS	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	242	-	4.7.0	Rel-4	CR 34.108 Rel-4: Manual attach in State 7 Registrated Idle Mode on CS/PS	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	243	-	3.12.0	Rel-99	URA Identity in Cell Update Confirm and URA Update Confirm	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	244	-	4.7.0	Rel-4	URA Identity in Cell Update Confirm and URA Update Confirm	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	245	-	3.12.0	Rel-99	CR to 34.108 R99; Correction to specification to reflect a change already approved in TTCN CR T1-030396	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	246	-	4.7.0	Rel-4	CR to 34.108 R4; Correction to specification to reflect a change already approved in TTCN CR T1-030396	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	247	-	3.12.0	Rel-99	CR to 34.108 REL-99; Correction to section 7.3 Test procedures for RF test	approved	F	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030191	34.108	248	-	4.7.0	Rel-4	CR to 34.108 REL-4; Correction to section 7.3 Test procedures for RF test	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030191	34.108	249	-	3.12.0	Rel-99	CR 34.108 R99: Bearer combination for Interactive/background UL 64 kbps DL 768 kbps	approved	B	3.13.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1

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TP-030191	34.108	250	-	4.7.0	Rel-4	CR 34.108 Rel-4: Bearer combination for Interactive/background UL 64 kbps DL 768 kbps	approved	A	4.8.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030189	34.121	251	-	5.0.0	Rel-5	Creation of a merged release for 34.121 which incorporates R99 and Rel-4	approved	F	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	252	-	3.13.0	Rel-99	CR to 34.121 R99; Corretion to Inter-system Handover from UTRAN FDD to GSM	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	253	-	3.13.0	Rel-99	CR to 34.121 R99; Addition of test case details for RRM test case 8.3.5.3 (Cell Reselection to GSM in Cell_FACH)	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	254	-	4.0.0	Rel-4	CR to 34.121 REL-4; Addition of test case details for RRM test case 8.3.5.3 (Cell Reselection to GSM in Cell_FACH)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	255	-	5.0.0	Rel-5	CR to 34.121 REL-5; Addition of test case details for RRM test case 8.3.5.3 (Cell Reselection to GSM in Cell_FACH)	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	256	-	3.13.0	Rel-99	Correction of SSDT performance test case (R99)	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	257	-	4.0.0	Rel-4	Correction of SSDT performance test case (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	258	-	5.0.0	Rel-5	Correction of SSDT performance test case (Rel-5)	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	259	-	4.0.0	Rel-4	Introduction of Test Tolerances to Cell Reselection in CELL_FACH tests 8.3.5.1 & 8.3.5.2	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	260	-	5.0.0	Rel-5	Introduction of Test Tolerances to Cell Reselection in CELL_FACH tests 8.3.5.1 & 8.3.5.2	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	261	-	3.13.0	Rel-99	Test Requirements for RRM CPICH RSCP Inter Frequency Measurement	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	262	-	4.0.0	Rel-4	Test Requirements for RRM CPICH RSCP Inter Frequency Measurement	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	263	-	5.0.0	Rel-5	Test Requirements for RRM CPICH RSCP Inter Frequency Measurement	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	264	-	3.13.0	Rel-99	Test Requirements for RRM CPICH RSCP Intra Frequency Measurement	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	265	-	4.0.0	Rel-4	Test Requirements for RRM CPICH RSCP Intra Frequency Measurement	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	266	-	5.0.0	Rel-5	Test Requirements for RRM CPICH RSCP Intra Frequency Measurement	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	267	-	3.13.0	Rel-99	Correction to RRC Re-establishment delay test case (R99)	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	268	-	4.0.0	Rel-4	Correction to RRC Re-establishment delay test case (Rel-4)	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	269	-	5.0.0	Rel-5	Correction to RRC Re-establishment delay test case (Rel-5)	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	270	-	3.13.0	Rel-99	CR to 34.121 R99; Correction to SFN-SFN observed time difference type 1	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	271	-	4.0.0	Rel-4	CR to 34.121 Rel-4; Correction to SFN-SFN observed time difference type 1	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	272	-	5.0.0	Rel-5	CR to 34.121 Rel-5; Correction to SFN-SFN observed time difference type 1	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1

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TP-030189	34.121	273	-	3.13.0	Rel-99	CR to 34.121 Rel-99; Correction to CRC bit for reference measurement channel using RLc-TM for DTCH, transport channel parameters	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	274	-	3.13.0	Rel-99	Introduction of Test Tolerances to Cell Reselection in CELL_FACH tests 8.3.5.1 & 8.3.5.2	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	275	-	4.0.0	Rel-4	CR to 34.121 Rel-4; Corretion to Inter-system Handover from UTRAN FDD to GSM	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	276	-	5.0.0	Rel-5	CR to 34.121 Rel-5; Corretion to Inter-system Handover from UTRAN FDD to GSM	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	277	-	3.13.0	Rel-99	CR to 34.121 R99; Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	278	-	4.0.0	Rel-4	CR to 34.121 Rel-4; Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	4	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	279	-	5.0.0	Rel-5	CR to 34.121 Rel-5; Correction to CPICH Ec/Io in correct reporting of neighbours in AWGN propagation condition test case	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	280	-	3.13.0	Rel-99	Test Requirements for RRM CPICH Ec/Io Intra Frequency Measurement	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	281	-	4.0.0	Rel-4	Test Requirements for RRM CPICH Ec/Io Intra Frequency Measurement	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	282	-	5.0.0	Rel-5	CR Rel 5 Test requirements for RRM CPICH_Ec/Io Intra Frequency Measurement	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	283	-	3.13.0	Rel-99	Test Requirements for RRM CPICH Ec/Io Inter Frequency Measurement	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	284	-	4.0.0	Rel-4	Test Requirements for RRM CPICH Ec/Io Inter Frequency Measurement	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	285	-	5.0.0	Rel-5	Test Requirements for RRM CPICH Ec/Io Inter Frequency Measurement	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	286	-	3.13.0	Rel-99	Test requirements for RRM Random Access tests	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	287	-	4.0.0	Rel-4	Test requirements for RRM Random Access Test	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	288	-	5.0.0	Rel-5	Test requirements for RRM Random Access Test	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	289	-	3.13.0	Rel-99	Completion of Annex F	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	290	-	4.0.0	Rel-4	Completion of Annex F	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	291	-	5.0.0	Rel-5	Completion of Annex F	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	292	-	4.0.0	Rel-4	CR to 34.121 Rel-4; Correction to CRC bit for reference measurement channel using RLc-TM for DTCH, transport channel parameters	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	293	-	5.0.0	Rel-5	CR to 34.121 Rel-5; Correction to CRC bit for reference measurement channel using RLc-TM for DTCH, transport channel parameters	approved	A	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030189	34.121	294	-	3.13.0	Rel-99	CR to delete the technical content of 34.121 Rel 99 and replace it by a pointer to the gathered releases document	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1

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TP-030218	34.121	294	-	3.13.0	R99	CR to delete the technical content of 34.121 Rel 99 and replace it by a pointer to the gathered releases document	approved	F	3.14.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-030189	34.121	295	-	4.0.0	Rel-4	CR to delete the technical content of 34.121 Rel 4 and replace it by a pointer to the gathered releases document	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030218	34.121	295	-	4.0.0	Rel-4	CR to delete the technical content of 34.121 Rel 4 and replace it by a pointer to the gathered releases document	approved	A	4.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI4	T1
TP-030189	34.121	296	-	5.0.0	Rel-5	Introduction of the phase discontinuity test	approved	F	5.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030190	34.122	173	-	4.8.0	Rel-4	Addition of Test Scenario 4A	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	174	-	4.8.0	Rel-4	Addition of LCR TDD/FDD Hand-Over Test	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	175	-	4.8.0	Rel-4	Addition of Txformat selection test	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	176	-	4.8.0	Rel-4	Measurement CPICH of FDD neighbour	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	177	-	4.8.0	Rel-4	Measurement of ISCP intra frequency	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	178	-	4.8.0	Rel-4	Measurement test UTRA RSSI absolute	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	179	-	4.8.0	Rel-4	Measurement test UTRA RSSI relative	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030190	34.122	180	-	4.8.0	Rel-4	Measurement test GSM RSSI	approved	F	4.9.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030192	34.123-1	531	-	5.4.0	Rel-5	Corrections and updates on 8.2.1 Radio Bearer Establishment for TDD mode	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	532	-	5.4.0	Rel-5	Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH test updated for TDD mode (clause 8.2.2.35), TS 34.123-1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	534	-	5.4.0	Rel-5	Correction to RLC testcases 7.2.3.21 and 7.2.3.22	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	535	-	5.4.0	Rel-5	Inclusion of tests for combinations on SCCPCH for TDD 1.28 Mcps option	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI4	T1
TP-030192	34.123-1	536	-	5.4.0	Rel-5	Inclusion of test for 34.123-1 for combination on PRACH for TDD 1.28 Mcps option, Rel-4	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI4	T1
TP-030192	34.123-1	537	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 4 GMM test cases 12.4.1.2 and 12.4.1.4d	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	538	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 1 RRC test cases in clause 8.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	539	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Low priority PDCP test case 7.3.3.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

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TP-030192	34.123-1	540	-	5.4.0	Rel-5	CR 34.123-1 Rel-5: Mobile identity field removed in TC 12.4.2.2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	541	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Removal of package 2 MAC test case 7.1.2.2.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	542	-	5.4.0	Rel-5	Corrections to Package 1 RRC test case 8.1.2.2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	543	-	5.4.0	Rel-5	Corrections to P2 MM test case 9.4.2.2/test 2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	544	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Corrections to package 4 and low priority RRC test cases on Unsupported configuration	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	545	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 2 MM test case 9.4.5.3 Location updating/ periodic normal/ test 2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	546	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 4 test case (8.2.3.11)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	547	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 4 test case (8.2.6.11)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	548	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 4 test case (8.2.6.12)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	549	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 low priority test case (8.2.6.14)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	550	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 low priority test case (8.3.1.23)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	551	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 low priority test case (8.3.4.5)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	552	-	5.4.0	Rel-5	Correction to 34.123-1 v5.4.0 Low priority test case (8.4.1.22)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	553	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 low priority test case (8.4.1.39)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	554	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Correction of Package 4 RRC test case 8.2.6.37	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	555	-	5.4.0	Rel-5	Removal of test case 8.2.2.20	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	556	-	5.4.0	Rel-5	CR to 34.123-1, Rel-5; correction to idle mode section according to RP-030289	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

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TP-030192	34.123-1	557	-	5.4.0	Rel-5	CR to 34.123-1, Rel-5; correction to package 1 RLC test case 7.2.3.18 according to RP-030292	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	558	-	5.4.0	Rel-5	Correction to 34.123-1 v5.4.0 Package 1 test case (8.4.1.5) - Revision of T1-031080	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	559	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 3 test case (8.4.1.24) - Revision of T1-031082	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	560	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 4 test case (8.4.1.12) - Revision of T1-031088	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	561	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 4 RRC test cases: 8.1.3.5 and 8.3.1.15	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	562	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 Package 2 test cases (8.3.1.21 and 8.3.1.22) - Revision of T1-031081	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	563	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Low priority GMM test cases 12.2.2.8, 12.3.2.4 and 12.9.9	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	564	-	5.4.0	Rel-5	Correction to 34.123-1, section 7.2.3.19 and 7.2.3.24	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	565	-	5.4.0	Rel-5	Correction to GCF package 1 RLC testcases 7.2.3.26 and 7.2.3.27	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	566	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 1 RRC test cases 8.3.4.3 and 8.4.1.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	567	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Periodical RLC STATUS PDU detection in RRC Radio Bearer Reconfiguration Package 2 and 3 test cases	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	568	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 2 RRC test case 8.2.2.19	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	569	-	5.4.0	Rel-5	CR to 34-123-1, Rel-5; URA Identity in Cell Update Confirm and URA Update Confirm	approved	f	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	570	-	5.4.0	Rel-5	CR to 34.123-1 on Correction to C/T field value for test case 7.1.1.8	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	571	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 2 RRC test case 8.3.1.10 Cell Update: expiry of T307 timer after T305 expiry and being out of service area.	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	572	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Correction to CC test cases 10.1.2.2.1 (package 4), 10.1.2.2.2 (package 3) and 10.1.2.9.2 (low prio)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	573	-	5.4.0	Rel-5	CR to TS 34.123-1 [REL-5] Package 2 GMM test case 12.4.2.2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

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TP-030192	34.123-1	574	-	5.4.0	Rel-5	CR 34.123-1 Rel-5: TC 12.8 Ready Timer in use	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	575	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Correction to package 1 GMM test case 12.3.1.2	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	576	-	5.4.0	Rel-5	Corrections to low priority Multi RAB test cases	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	577	-	5.4.0	Rel-5	Corrections to P3 Inter RAT measurement test case 8.4.1.31	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	578	-	5.4.0	Rel-5	CR to 34.123-1 R5; Correction to Package 1 RRC test case 8.2.5.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	579	-	5.4.0	Rel-5	CR to 34.123-1 REL-5; Correction to package 2 MAC test case 7.1.3.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	580	-	5.4.0	Rel-5	Introduction of new test cases for a routing area updating procedure due to a change of DRX parameter IE	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	581	-	5.4.0	Rel-5	CR 34.123-1 Rel-5: TC 9.4.2.3 doesn't correspond to conformance claim	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	582	-	5.4.0	Rel-5	Corrections to 34.123-1 v5.4.0 low priority test case (8.2.3.26)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030192	34.123-1	583	-	5.4.0	Rel-5	CR 34.123-1 Rel-5: Automatic MO SMS repeat at TP layer	approved		5.5.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030193	34.123-2	113	-	5.4.0	Rel-5	Inclusion of test Radio Bearer Reconfiguration fromCELL_DCH to CELL_FACH for TDD 1.28 Mcps option in ICS part.	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	114	-	5.4.0	Rel-5	Inclusion of tests for 34.123-2 for combinations on SCCPCH for TDD 1.28 Mcps option in ICS part	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	115	-	5.4.0	Rel-5	Inclusion of test for combination on PRACH for TDD 1.28 Mcps option in ICS part.	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	116	-	5.4.0	Rel-5	Corrections to applicability for RRC testcases	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	117	-	5.4.0	Rel-5	CR 34.123-2 Rel-5: Applicability statement for TC 12.8	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	118	-	5.4.0	Rel-5	CR to 34.123-2 REL-5; Update of applicability table (revision of T1-031051)	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030193	34.123-2	119	-	5.4.0	Rel-5	Update of Applicability statement for GMM	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1

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TP-030193	34.123-2	120	-	5.4.0	Rel-5	CR to 34.123-2 REL-5; Update of applicability table for TC 8.2.5.1	approved	F	5.5.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.2.11 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Test Case 12.5	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	-	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.6.7 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.2.17 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.2.10 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.2.1 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.4.10 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.2.8 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030208	34.123-3	---	-	3.2.1	R99	Addition of RRC test case 8.2.6.1 to RRC ATS V3.2.1	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-030194	34.123-3	070	-	3.2.1	Rel-99	Corrections to Package 1 test cases in RRC ATS v3.2.1 for PS mode	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	071	-	3.2.1	Rel-99	Corrections to Package 1 test cases in RRC ATS v3.2.1 for Integrity	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	072	-	3.2.1	Rel-99	Corrections to Package 1 test cases in RRC ATS v3.2.1 for configuration of Radio Bearer -3	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	073	-	3.2.1	Rel-99	CR to 34.123-3 R99, Moving baseline from March 02 to March 03 and error corrections	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	074	-	3.2.1	Rel-99	CR to 34.123-3, R99, Update and remove unnecessary PIXIT parameters, so they are aligned with the 3GPP conformance TTCN	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	075	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_7_1_1_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	076	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_7_1_1_8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-030194	34.123-3	077	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_1_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	078	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_1_3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	079	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_1_5	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	080	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_1_6	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	081	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_1_8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	082	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_1_8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	083	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_1_10	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	084	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_12_2_1_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	085	-	3.1.0	Rel-99	Test Case 8.1.5.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	086	-	3.1.0	Rel-99	Test Case 8.1.5.4	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	087	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_3_7	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	088	-	3.1.0	Rel-99	Addition of RLC test case 7.2.3.6 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	089	-	3.1.0	Rel-99	Addition of RLC test case 7.2.3.25 to RLC ATS V3.0.0	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	090	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.14	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	091	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.15	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	092	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.16	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	093	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.33	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-030194	34.123-3	094	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 10.1.2.5.1	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	095	-	3.1.0	Rel-99	7.1.1.1	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	096	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_7_1_1_3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	097	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_7_1_1_4	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	098	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_7_1_1_5	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	099	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_1_3_3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	101	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_3_15	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	102	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_3_18	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	103	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_3_19	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	104	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_12_3_1_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	105	-	3.1.0	Rel-99	Title not provided	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	106	-	3.1.0	Rel-99	CR to 34.123-3 V 3.1.0 for addition of RLC test case 7.2.3.13	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	107	-	3.1.0	Rel-99	CR to 34.123-3 V 3.1.0 for addition of RLC test case 7.2.3.18	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	108	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_11_1_1_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	109	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.23	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	110	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.24	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	111	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.26	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

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TP-030194	34.123-3	112	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.27	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	113	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_11_3_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	114	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_11_3_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	115	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 12.3.1.5	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	116	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 12.7.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	117	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_1_9	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	118	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_2_3_8	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	119	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_3_4_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	120	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_3_4_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	121	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_3_4_3	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	122	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_8_4_1_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	123	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_12_3_1_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	124	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_12_9_1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	125	-	3.1.0	Rel-99	Changes to TS34.123-3 V310 to introduce TC_12_9_2	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	126	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 12.3.2.1	approved	F	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	127	-	3.1.0	Rel-99	CR to 34.123-3 V310 to introduce test case 7.2.3.19	approved	B	3.2.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	128	-	3.2.0	Rel-99	CR to 34.123-3 V320 to introduce test case 14.2.13.1	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030194	34.123-3	129	-	3.2.0	Rel-99	CR to 34.123-3 V320 to introduce test case 7.2.2.2	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	130	-	3.2.0	Rel-99	CR to 34.123-3 V320 to introduce test case 7.2.3.2	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	131	-	3.2.0	Rel-99	Changes to TS34.123-3 V320 to introduce TC_8_2_3_9	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	132	-	3.2.0	Rel-99	Changes to TS34.123-3 V320 to introduce TC_7_2_3_21	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	133	-	3.2.0	Rel-99	Changes to TS34.123-3 V320 to introduce TC_7_2_3_22	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	134	-	3.2.1	Rel-99	CR to 34.123-3 V320 to introduce test case TC_8_2_6_20	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	135	-	3.2.1	Rel-99	CR to 34.123-3 V320 to introduce test case TC_9.2.1	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	136	-	3.2.1	Rel-99	CR to 34.123-3 V320 to introduce test case TC_9.3.1	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	137	-	3.2.1	Rel-99	CR to 34.123-3 V320 to introduce test case TC_9_4_5_2	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030194	34.123-3	138	-	3.2.1	Rel-99	CR to 34.123-3 V320 to introduce test case TC_9.5.2	approved	B	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)		T1
TP-030194	34.123-3	139	-	3.2.1	Rel-99	Changes to TS34.123-3 V321 to introduce TC_8_1_1_7	approved	F	3.3.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
NP-030408	43.068	009	1	4.2.2	Rel-4	Correction of uplink release management	approved	A	4.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030408	43.068	010	1	5.2.0	Rel-5	Correction of uplink release management	approved	A	5.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	43.068	011	1	4.2.2	Rel-4	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	4.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030407	43.068	012	1	5.2.0	Rel-5	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	5.3.0	Voice Group Call Service (VGCS); Stage 2	ASCI	N1
NP-030409	43.068	013	1	5.2.0	Rel-5	Correction to MS Late Entry description	approved	F	5.3.0	Voice Group Call Service (VGCS); Stage 2	TEI5	N1
NP-030410	43.068	014	2	5.2.0	Rel-6	Dispatcher signalled mute/unmute of talkers downlink and correction and update of incorrect implementation of CR 03.68 A022	approved	F	6.0.0	Voice Group Call Service (VGCS); Stage 2	TEI6	N1
NP-030407	43.069	008	1	4.2.2	Rel-4	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	4.3.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030407	43.069	009	1	5.2.0	Rel-5	Correction to definition of Group-ID, Group call area ID and Group Call Reference	approved	A	5.3.0	Voice Broadcast service (VBS); Stage 2	ASCI	N1
NP-030409	43.069	010	1	5.2.0	Rel-5	Correction to MS Late Entry description	approved	F	5.3.0	Voice Broadcast service (VBS); Stage 2	TEI5	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030416	44.065	006	2	5.0.0	Rel-5	Correction to References	approved	F	5.1.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	TEI5	N1
NP-030416	44.065	007	-	6.0.0	Rel-6	Correction to References	approved	A	6.1.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	TEI5	N1
NP-030420	44.065	008	1	6.0.0	Rel-6	Corrections on Compression details	approved	F	6.1.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	TEI6	N1
TP-030178	51.011	024	-	4.8.0	Rel-4	Correction on EF_VBSS Coding	approved	F	4.9.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030178	51.011	025	-	4.8.0	Rel-4	Correction to SMS	approved	F	4.9.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030178	51.011	026	-	4.8.0	Rel-4	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from T Plenary in Marco Island.	approved	F	4.9.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030181	51.014	003	-	4.1.0	Rel-4	Correction of the Bearer Description for the Open Channel command	approved	F	4.2.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	TEI	T3
SP-030490	55.216	002	-	6.1.0	Rel-6	Clarification on the usage of the Key length	approved	F	6.2.0	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	SEC1-CSALGO1	S3

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

Annex G: Definition of Release 4, extracted from the Project Plan - 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		

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

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

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

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

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

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

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

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

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1993**	**Generic**	**Rel-4**	**N**	**small Technical Enhancements and Improvements for Rel4**	**TEI4**	TSG	03/01/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes		"Joker" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system	
F	**2857**	**RP**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the UTRAN**	**ETRAN**	TSG	21/08/2000 08:00	23/08/2002 17:00	76%	No	No			Francois Courau
BB	**2859**	**R3**	**Rel-4**	**N**	**QoS optimisation for AAL2 connections over Iub and Iur interfaces**	**ETRAN-QoSAAL2**	TSG	21/08/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2860**	**R3**	**Rel-4**	**N**	**Transport bearer modification procedure on Iub, Iur, and Iu**	**ETRAN-MigrMod**	TSG	02/10/2000 08:00	30/03/2001 17:00	100 %	Yes	Yes			T. Yoshimura, Japan Telecom
BB	**2864**	**T1**		**N**	**Conformance Test Aspects of Rel-4 evolutions of the transport in UTRAN**			25/02/2002 08:00	23/08/2002 17:00	0%	No	No			
WT	2865	T1		N	Testing RAB support enhancements	CT-RABS?		25/02/2002 08:00	23/08/2002 17:00	0%	No	No	34.108, 34.121, 34.122, 34.123 pts 1,2, 34.123 pt 3	Requires supporting companies	
F	**2866**	**N4**	**NA**	**Y**	**Rel-4 Evolutions of the transport in the CN**	**CNTRSP**		29/05/2000 08:00	23/03/2001 17:00	100 %	No	No		WI formulation assigned to N4	
BB	**2867**	**N4**	**Rel-4**	**N**	**IP Transport of CN protocols (e.g., CAP, MAP)**	**SS7IP**		07/12/2000 08:00	23/03/2001 17:00	100 %	No	No		AS: corrected to Rel4 as stated at SA#10	
WT	2868	N4		N	Stage 3			07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2869	N2		Y	CAP		WG	07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2870	N4		N	MAP			07/12/2000 08:00	23/03/2001 17:00	100%	No	No			
WT	2871	N1		N	BSSAP+	SS7IP-BSSAP+	WG	15/01/2001 08:00	14/03/2001 17:00	100%	No	No			
BB	**2873**	**S2**	**Rel-4**	**N**	**FS on Transport and control separation in the PS CN domain**		TSG	29/05/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland Juan-Antonio.Ibanez@eed.ericsson.se
WT	2874	S2		N	Architectural impacts		WG	29/05/2000 08:00	23/03/2001 17:00	100%	Yes	No			

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

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

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2945	N1		N	Distinction in CS domain of emergency calls to different emergency types			28/08/2000 08:00	26/09/2000 17:00	100%	No	No		Calls to different emergency services such as ambulance, fire brigade, police, etc. can be routed to respective different emergency centres....	
WT	2946	T1		N	Conformance Test Aspects - Emergency call enhancements			03/01/2000 08:00	28/07/2000 17:00	0%	No	No		UID changed	
WT	2947	T1		N	Testing CS based emergency calls		TSG	25/02/2002 08:00	28/05/2002 17:00	100%	No	No	34.123-1		
WT	2948	T1		N	Testing CS based emergency calls - TTCN		TSG	22/11/2001 08:00	28/05/2002 17:00	100%	No	No	34.123-3		
F	**2987**	**T2**	**NA**	**Y**	**Rel-4 Terminal interfaces**	**TI**		03/01/2000 08:00	15/03/2001 17:00	68%	No	No			
BB	**2988**	**T2**	**Rel-4**	**N**	**AT commands enhancements**	**TI-ATC**		03/01/2000 08:00	14/03/2001 17:00	100 %	No	No	27.007		
WT	2989	T2		N	Specification of AT commands for new services			03/01/2000 08:00	14/03/2001 17:00	100%	No	No	27.007	goal not completely achieved because of missing input	
BB	**2991**	**T2**	**NA**	**Y**	**Wide Area Data Synchronisation**	**TI-WADS**		03/01/2000 08:00	14/03/2001 17:00	56%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
WT	2992	T2	Rel-4	N	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		03/01/2000 08:00	14/03/2001 17:00	100%	No	No	27.903, 27.103		
BB	**2993**	**T2**	**Rel-4**	**N**	**Terminal local model**	**TLM**	TSG	16/05/2000 08:00	15/03/2001 17:00	100 %	No	Yes	23.227		Olga Tomé, Ericsson Olga.Tome@ECS.ERICSSON.SE
F	**2995**	**S2**	**NA**	**Y**	**Rel-4 Location Services enhancements**	**LCS1**	TSG	03/04/2000 08:00	28/12/2001 17:00	75%	No	No			Jan Kall, Nokia
BB	**2996**	**T2**	**Rel-4**	**N**	**CBS interactions**	**LCS1-CBS**		03/04/2000 08:00	28/12/2001 17:00	100 %	No	No	23.041		
BB	**2997**	**S2**	**Rel-4**	**N**	**LCS support in the CS domain**	**LCS1-CS**		15/05/2000 08:00	19/01/2001 17:00	100 %	No	No		Only MAP impact foreseen so far. To be further split if needed.	
BB	**2998**	**S2**	**Rel-4**	**N**	**LCS support in the PS domain**	**LCS1-PS**		01/05/2000 08:00	28/12/2001 17:00	75%	No	No			
WT	2999	S1		N	Stage 1			03/07/2000 08:00	25/08/2000 17:00	100%	No	No	22.071	To be also considered: External LCS client identity, and Privacy options when PDP-context and when no PDP-context is established	Randolph Wohlert, Pacific Bell Wireless rwohlert@tri.sbc.com

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-IublIur	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	No	Yes		27/11: WG corrected; rapporteur corrected	Yun-Chao Hu, Ericsson
WT	3007	R2	Rel-4	N	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	28/08/2000 08:00	23/03/2001 17:00	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
F	**3045**	**T3**	**NA**	**N**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**UICC1**		24/07/2000 08:00	23/03/2001 17:00	100 %	No	No			
BB	**3046**	**T3**	**Rel-4**	**N**	**Common PCN Handset Specification (CPHS)**	**UICC1-CPHS**	TSG	24/07/2000 08:00	23/03/2001 17:00	100 %	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
F	**3047**	**T3**	**NA**	**N**	**Rel-4 (U)SIM toolkit enhancements**	**USAT1**		05/06/2000 08:00	23/03/2001 17:00	100 %	No	No			
BB	**3048**	**T3**	**Rel-4**	**N**	**USAT local link**	**USAT1-LocLnk**	TSG	05/06/2000 08:00	23/03/2001 17:00	100 %	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
F	**3057**	**S3**	**NA**	**N**	**Rel-4 Security enhancements**	**SEC1**	TSG	03/01/2000 08:00	15/03/2002 17:00	86%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**3058**	**S3**	**Rel-4**	**N**	**Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)**	**SEC1-CSALGO1**	TSG	03/01/2000 08:00	15/01/2001 17:00	100 %	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	? ?
BB	**3059**	**S3**	**Rel-4**	**N**	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	**SEC1-PSALGO1**	TSG	22/02/2000 08:00	22/12/2000 17:00	100 %	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	? ?

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

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

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

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

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

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

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

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3293**	**S1**	**NA**	**N**	**Provisioning of IP-based multimedia services**	**IMS**	TSG	03/01/2000 08:00	03/03/2004 17:00	84%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
BB	**3294**	**S2**	**Rel-5**	**N**	**Call control and roaming to support IMS in UMTS**	**IMS-CCR**	TSG	03/01/2000 08:00	14/06/2002 17:00	88%	No	No			Liz Daniel, Lucent
WT	3295	S1		N	Stage 1			21/02/2000 08:00	15/12/2000 17:00	100%	No	No	22.228	Issues include e.g.: Roaming requirements, Requirements on supplementary services, Interworking requirements	Mark Cataldo, Motorola 17.-21.7., S1#9, Completion of CR's against 22 series [dates taken from 22.976]
WT	3296	S2		N	Stage 2 (Architecture and Main flows)		TSG	14/04/2000 08:00	23/03/2001 17:00	100%	Yes	Yes	23.228	Issues include e.g.: Mobile IP, RAB selection principles, Optimized VoIP bearer mechanisms, SIP multimedia protocol	Liz Daniel, Lucent R00 stage 2 at least 80 % complete in TSGS #8 21.-23.6.2000 [WI dates need revision. To be revised by TSG#8]
WT	3297	N1		N	Impact on MM/CC/SM	IMS-CCR-IWMM		28/08/2000 08:00	08/03/2002 17:00	100%	No	No		Per 26/2-02: This is understood to be the PCO & TFT CRs which CN1 provides to TSGN #15 for approval. If this is correct understanding, then the task is 100 % complete.	Keith Drage, Lucent drage@lucent.com
WT	3298	N1		N	SIP Call Control protocol for the IMS		TSG	03/01/2000 08:00	14/06/2002 17:00	100%	No	No	TS 24.228, TS 24.229, TS 23.218	TSGN_10 approved the change:CN1 - SA2 SIP joint meeting spotted one more place for improvement: work tasks with ID 1998 and 1278 are actually subtasks under of single CN1 WT. One WI has been approved for the CN1 WT with title "SIP Call Control protocol... Keith Drage, Lucent 81.1.4 93% NP-010643 ftp://ftp.3gpp.org/Information/WI_Sheet/NP-010643.pdf 50 24/01/2002 08:00 No Yes 3 12.1.4 Fixed Duration 2233 drage@lucent.com No N1	Keith Drage, Lucent drage@lucent.com

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

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	3320	S1		Y	Service Examples (Work stopped)	IMS-Sex	TSG	17/04/2001 08:00	14/06/2002 17:00	31%	No	No	22.928		Mark Cataldo, Motorola mcatald1@email.mot.com
WT	3321	S1		Y	IMS Framework Report (work stopped)	IMS-FrWk	TSG	17/04/2001 08:00	14/06/2002 17:00	50%	No	No	22.941		Randolph Wohlert, SBC Technology Resources, Inc. rwohlert@tri.sbc.com
BB	**3322**	**S3**	**Rel-5**	**N**	**Access Security for IMS**	**IMS-ASEC**	TSG	08/10/2001 08:00	28/06/2002 17:00	100 %	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist. Approved SA#15	Krister Boman, Ericsson krister.boman@emw.ericsson.se
WT	3324	T3		N	IMS impacts on UICC (ISIM application)			08/10/2001 08:00	21/06/2002 17:00	100%	No	No			Jeremy Norris (Vodafone)
WT	3325	N1		N	SIP extensions for Integrity protection			17/12/2001 08:00	28/06/2002 17:00	100%	No	No		Per 26/2-02: CN1 is not aware of any requirements and is not doing anything on this task.	
BB	**3326**	**S3**	**Rel-5**	**N**	**Security Aspects of Requirement for Network Configuration Independence**	**SEC1-NCI**	TSG	02/07/2001 08:00	28/12/2001 17:00	100 %	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15.Editors notes removed SA#16&17	Hugh Shieh, AT&T Wireless Services hugh.shieh@attws.com
BB	**3327**	**S3**	**Rel-5**	**Y**	**Lawful interception**	**IMS-LI**	TSG	04/09/2000 08:00	29/03/2002 17:00	100 %	No	Yes		Rel-5 33.106 and 33.107 approved at SA#12.Revised WID including new Rel-5 specification (33.108) scheduled for approval at SA#14. 33.108 approved SA#16. CR at SA#17	Berthold Wilhelm, Reg TP berthold.wilhelm@regtp.de
BB	**3328**	**S5**	**Rel-5**	**N**	**Charging and OAM&P for IMS**	**IMS-OAM**	TSG	25/12/2000 08:00	12/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
BB	**3332**	**S4**	**Rel-5**	**N**	**Multimedia codecs and protocols for conversational PS services**	**IMS-CODEC**	TSG	26/07/2000 08:00	27/09/2002 17:00	100 %	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia pasi.s.ojala@nokia.com
WT	3333	S4		N	Codecs		TSG	26/07/2000 08:00	14/03/2002 17:00	100%	Yes	Yes	26.235, 26.236		
WT	3334	S4	Rel-5	N	Transport protocols	IMS-CODEC		12/03/2002 08:00	12/03/2002 17:00	100%	No	No	26.236		P. Ojala, Nokia

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

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

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

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

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

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

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 narrowband interworking	AMRWB-IWG		27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2741	S4		N	Interworking with fixed broadband networks			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2742	S4		N	Tones and announcements			27/09/2001 08:00	14/03/2002 17:00	100%	No	No			
WT	2743	S1		N	WB Conferencing and WB Voice Group calls (deleted)			03/01/2000 08:00	03/01/2000 17:00	0%	No	No			
WT	2744	S5	Rel-5	N	Billing, accounting and call detail record aspects			27/09/2001 08:00	12/09/2002 17:00	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
WT	1989	MLST		N	Start Testing			25/02/2002 00:00	25/02/2002 00:00	0%	No	No			
WT	1855	T1		N	Conformance tests (CRs to 34 series)			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	76	S4		N	Terminal Acoustic Characteristics			01/01/2000 08:00	12/04/2000 17:00	100%	No	No			
WT	1628	S4		N	Definition		TSG	01/01/2000 08:00	31/01/2000 17:00	100%	No	Yes	26.131		

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

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

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

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

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

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3446	S5	Rel-5	N	Rel5 Performance Management	OAM-PM	TSG	17/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks) toche@NORTELNETWORKS.COM
BB	3447	S5	Rel-5	N	Rel5 Charging Management	OAM-CH	TSG	10/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
BB	3448	S5	Rel-5	N	Rel5 Network Infrastructure Management	OAM-NIM	TSG	21/09/2001 08:00	12/09/2002 17:00	100 %	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson) Thomas.Tovinger@emw.ericsson.se
F	2392	GP	Rel-5	N	GERAN enhancements for streaming services 1 (RLC enhancements)			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2394	GP		N	Concept			06/11/2000 08:00	31/10/2001 17:00	100 %	No	No			
BB	2395	GP		N	RLC protocol enhancement (SDU Discard)			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
F	2396	GP	Rel-5	N	GERAN enhancements for streaming services 2 (usage of ECSD)			06/11/2000 08:00	28/06/2002 17:00	83%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
BB	2398	GP		N	Usage of ECSD Concept			06/11/2000 08:00	19/04/2002 17:00	100 %	No	No			
BB	2399	GP		N	Stage 2			06/11/2000 08:00	19/04/2002 17:00	100 %	No	No			
BB	2400	GP		N	Stage 3			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2401	GP		N	RLC PDU formats			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	2402	GP		N	MAC header			06/11/2000 08:00	28/06/2002 17:00	100 %	No	No			
F	2412	GP;R3	Rel-5	N	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GERUE V1		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2413**	**GP;R3**		**N**	**Evolution of Iu ps**	**GERUEV1-IuPS**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No			
WT	2414	GP;R3		N	Identification of GERAN requirements on Iu ps			01/09/2000 08:00	30/11/2001 17:00	100%	No	No			
WT	2415	GP;R3		N	Update of specifications			03/12/2001 08:00	28/06/2002 17:00	100%	No	No			
F	**2416**	**GP;R3**	**Rel-5**	**N**	**GERAN/UTRAN interface evolution 2 (evolution of Iu CS)**	**GERUEV2**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No			
BB	**2417**	**GP;R3**		**N**	**Evolution of Iu cs**	**GERUEV2-IuCS**		01/09/2000 08:00	28/06/2002 17:00	100 %	No	No		Lucent, Ericsson, AWS, Nortel	Krishna Balachandran, Lucent
WT	2418	GP;R3		N	Identification of GERAN requirements on Iu cs			01/09/2000 08:00	19/04/2002 17:00	100%	No	No			
WT	2419	GP;R3		N	Update of specifications			01/09/2000 08:00	28/06/2002 17:00	100%	No	No			
F	**2556**	**S2**	**Rel-5**	**N**	**End to End QoS for PS Domain including IMS**	**E2EQoS**	TSG	28/08/2000 08:00	28/06/2002 17:00	97%	No	No			Johnson Oyama, Ericsson Johnson.oyama@era.ericcson.se
BB	**2557**	**S2**		**N**	**E2E QoSConcept and Architecture**		TSG	03/01/2001 08:00	07/09/2001 17:00	100 %	No	No	23.207		
BB	**2558**	**N3**		**N**	**E2E QoS interworking**	**E2EQoS-IW**	WG	28/08/2000 08:00	07/06/2002 17:00	95%	No	No	29.208, 29.207, 27.060, 29.061, 24.008, 24.228, , 24.229, 29.060, 29.163	[DAB - 30/07/02] - % complete to 95% (if we exclude Diffserv)	Daisuke Yokota, Lucent yokota@lucent.com
BB	**2559**	**S5**	**Rel-5**	**N**	**QoS Management (Provisioning and Monitoring)**	**E2EQoS-OAM**	TSG	21/09/2001 08:00	28/06/2002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM
F	**2569**	**T2**	**Rel-5**	**N**	**Messaging enhancements Rel-5**	**MESS5**	TSG	15/06/2001 08:00	31/03/2003 17:00	67%	No	Yes		support of UAProf, so this in my opinion is 100% complete	

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

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

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

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

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

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

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

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

Annex I: Current content of Release 6+, extracted from the Project Plan - Version September 16 2003

Extracted from 3GPP Work Plan: Version 2003 September 16th

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	**1216**	**RP**	**Rel-6**	**Y**	**Improvements of Radio Interface**	**RInImp**	TSG	14/08/2000 08:00	19/03/2004 17:00	50%	No	No			
BB	**3196**	**R4**	**Rel-6**	**N**	**Improving Receiver Performance Requirements for the FDD UE**	**RInImp-UERecPerf**	TSG	08/03/2002 08:00	19/09/2003 17:00	70%	No	No			Shimon Moshavi, Intel
BB	**3247**	**R1**	**Rel-6**	**N**	**Improvement of inter-frequency and inter-system measurement**	**RInImp-IfIsM**	TSG	01/01/2001 08:00	12/09/2003 17:00	10%	Yes	Yes		RP-020389	Nokia (Antti Toskala)
BB	**3461**	**R4**	**Rel-6**	**N**	**Base station classification**	**RInImp-BSClass**	TSG	14/08/2000 08:00	04/12/2002 17:00	100 %	No	No			
WT	3249	R4	Rel-6	N	FDD Base station classification	RInImp-BSClass-FDD	TSG	14/08/2000 08:00	04/12/2002 17:00	100%	Yes	Yes			A. Toskala, Nokia
BB	**3600**	**R4**	**Rel-6**	**N**	**UMTS-850**	**RInImp-UMTS850**	TSG	06/12/2002 08:00	12/03/2004 17:00	40%	No	No			Don Zelmer, Cingular don.zelmer@cingular.com
BB	**3650**	**R4**	**Rel-6**	**N**	**DS-CDMA introduction in the 800 MHz band**	**RInImp-UMTS800**	TSG	14/03/2003 08:00	19/09/2003 17:00	25%	No	No			Takehiro Nakamura, NTT DoCoMo takehiro@wsp.yrp.nttdocomo.co.jp
BB	**3651**	**R4**	**Rel-6**	**N**	**UMTS 1.7/2.1 GHz**	**RInImp-UMTS1721**	TSG	14/03/2003 08:00	12/12/2003 17:00	10%	No	No			Jussi Numminen, Nokia jussi.numminen@NOKIA.COM
BB	**2799**	**R4**	**Rel-6**	**N**	**FS for the viable deployment of UTRA in additional and diverse spectrum arrangements**	**RInImp-UMTSBands**	TSG	08/03/2002 08:00	06/06/2003 17:00	100 %	No	No			Thomas Unshelm, Ericsson Thomas.Unshelm@era.ericsson.se
BB	**3197**	**R4**	**Rel-6**	**N**	**FS on UE antenna efficiency test methods performance requirements (2)**	**RInImp-UEAnTM2**	TSG	08/03/2002 08:00	06/09/2002 17:00	100 %	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon

Extracted from 3GPP Work Plan: Version 2003 September 16th															
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	3258	R1	Rel-6	N	FS on Radio link performance enhancements	RInImp-RIperf	TSG	14/08/2000 08:00	19/03/2004 17:00	40%	Yes	Yes		RP-020358	Antti Toskala, Nokia Networks
BB	3262	R4	Rel-6	N	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	12/03/2001 08:00	19/03/2004 17:00	40%	No	No			Andrea Casini, Tekmar Sistemi
BB	3267	R1	Rel-6	N	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	14/12/2001 08:00	19/09/2003 17:00	55%	No	No		RP-020374	Li Xiao Qiang, SAMSUNG
BB	3463	R1	Rel-6	N	FS for the analysis of OFDM for UTRAN enhancements	RInImp-FSOFDM	TSG	10/06/2002 08:00	05/12/2003 17:00	35%	No	No			Sarah Boumendil, Nortel
BB	3464	R1	Rel-6	N	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	06/09/2002 08:00	05/12/2003 17:00	40%	No	No			Karri Ranta-aho, Nokia
BB	3465	R1	Rel-6	N	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	06/09/2002 08:00	05/12/2003 17:00	35%	No	No			Tim Wilkinson, IPWireless
BB	3652	R4	Rel-6	N	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLOP	TSG	13/06/2003 08:00	19/12/2003 17:00	10%	No	No			Jose Alberto Martin, Telefonica martin_ja4@tsm.es
BB	3683	R1	Rel-6	N	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	TSG	06/06/2003 08:00	19/03/2004 17:00	0%	No	No			TBD TBD
F	2468	R1	Rel-6	N	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	14/03/2003 08:00	17/12/2004 17:00	26%	No	No			Howard Huang, Lucent hchuang@lucent.com
BB	3653	R1	Rel-6	N	Multiple Input Multiple Output antennas - Physical layer	RInImp-MIMO-Phys	TSG	14/03/2003 08:00	19/03/2004 17:00	35%	No	No			Howard Huang, Lucent hchuang@lucent.com
BB	3654	R2	Rel-6	N	Multiple Input Multiple Output antennas - Layer 2,3 aspects	RInImp-MIMO-L23	TSG	12/09/2003 08:00	19/03/2004 17:00	0%	No	No			Howard Huang, Lucent hchuang@lucent.com
BB	3655	R3	Rel-6	N	Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects	RInImp-MIMO-IurIub	TSG	14/03/2003 08:00	31/03/2004 17:00	0%	No	No			Howard Huang, Lucent hchuang@lucent.com

Extracted from 3GPP Work Plan: Version 2003 September 16th															
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	**3656**	**R4**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing**	**RInImp-MIMO-RF**	TSG	12/12/2003 08:00	17/12/2004 17:00	5%	No	No			Howard Huang, Lucent hchuang@lucent.com
F	**9**	**RP**	**Rel-6**	**Y**	**RAN improvements**	**RANimp**	TSG	14/12/2001 08:00	31/03/2004 17:00	43%	No	No			
BB	**3286**	**R1**	**Rel-6**	**N**	**Beamforming Enhancements**	**RANimp-BFE**	TSG	14/12/2001 08:00	19/09/2003 17:00	80%	No	No		RP-020357	Jussi Kähtävä, Nokia
BB	**624**	**R2**	**Rel-6**	**N**	**RAB support enhancement**	**RANimp-RABSE**	TSG	14/03/2003 08:00	31/03/2004 17:00	10%	Yes	Yes		This is a building block without particular end date	M. Israelsson, A. Krishnarajah, Ericsson
WT	3657	R3	Rel-6	N	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	14/03/2003 08:00	31/03/2004 17:00	10%	No	No			Phillipe Godin, Nortel godinp@nortelnetworks.com
BB	**3097**	**R3**	**Rel-6**	**N**	**Improvement of RRM across RNS and RNS/BSS**	**RANimp-RRM1**	TSG	25/03/2002 08:00	31/12/2003 17:00	35%	No	No			Antti Toskala, Nokia antti.toskala@nokia.com
BB	**3467**	**R3**	**Rel-6**	**N**	**FS on the evolution of the UTRAN architecture**	**RANimp-FSEvo**	TSG	09/09/2002 08:00	31/12/2003 17:00	20%	No	No			Antti Toskala, Nokia antti.toskala@nokia.com
BB	**3658**	**R3**	**Rel-6**	**N**	**Rel6 RRM optimization for Iur and Iub**	**RANimp-RRMopt**	TSG	06/12/2002 08:00	30/09/2003 17:00	100 %	No	Yes			Gert-Jan van Lieshout, Ericsson
WT	3601	R3	Rel-6	N	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSUEMsD	TSG	06/12/2002 08:00	30/09/2003 17:00	100%	No	No			Jim Miller, Interdigital jim.miller@interdigital.com
BB	**3659**	**R3**	**Rel-6**	**N**	**Remote Control of Electrical Tilting Antennas**	**RANimp-TiltAnt**	TSG	14/03/2003 08:00	31/03/2004 17:00	10%	No	No			Andreas Hauser, Vodafone Andreas.Hauser@vodafone.com
BB	**3660**	**R3**	**Rel-6**	**N**	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	**RANimp-NACC**	TSG	13/06/2003 08:00	31/12/2003 17:00	30%	No	No			Brendan McWilliams, Vodafone Brendan.McWilliams@gb.vodafone.co.uk

Extracted from 3GPP Work Plan: Version 2003 September 16th															
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	**3665**	**S2**	**Rel-6**	**N**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**EMC1**	TSG	14/08/2000 08:00	30/04/2004 17:00	30%	No	No			Rainer Liebhart
BB	**1314**	**S1**	**Rel-6**	**N**	**Service Requirements for IP-based emergency calls**			18/09/2000 08:00	27/06/2003 17:00	90%	No	No	22.976		
BB	**3666**	**S2**	**Rel-6**	**N**	**Stage 2**		TSG	26/02/2003 08:00	30/04/2004 17:00	36%	No	No			Miikka Poikselka, Nokia
BB	**1653**	**N1**	**Rel-6**	**N**	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			14/08/2000 08:00	12/12/2003 17:00	9%	Yes	Yes			Mr Atle Monrad, Ericsson Atle.Monrad@eto.ericsson.se
WT	1315	N1	Rel-6	N	SIP emergency calls and packet emergency calls signalling flows			17/10/2000 08:00	12/12/2003 17:00	19%	No	No	TS 24.228		Mr Atle Monrad, Ericsson Atle.Monrad@eto.ericsson.se
WT	1646	N1	Rel-6	N	Stage 3 for emergency calls and packet emergency calls in general			14/08/2000 08:00	12/12/2003 17:00	0%	No	No	TS 24.229		Mr Atle Monrad, Ericsson Atle.Monrad@eto.ericsson.se
F	**3214**	**S2**	**Rel-6**	**N**	**Location Services enhancements 2**	**LCS2**	TSG	28/08/2000 08:00	19/03/2004 17:00	53%	No	No			
BB	**3215**	**S2**	**Rel-6**	**N**	**Improvement on Le interface**		TSG	17/06/2002 08:00	23/12/2003 17:00	60%	No	No			
WT	3667	S2	Rel-6	N	Stage 2			17/06/2002 08:00	22/09/2003 17:00	82%	No	No			
WT	3692	OMA	Rel-6	N	Stage 3 in OMA - it impacts Mobile Location Protocol (MLP)			10/07/2003 08:00	23/12/2003 17:00	0%	No	No			
BB	**3216**	**S2**	**Rel-6**	**N**	**Enhanced support for anonymity and user privacy**		TSG	08/07/2002 08:00	23/12/2003 17:00	67%	No	No			
WT	3669	S2	Rel-6	N	Stage 2			08/07/2002 08:00	27/06/2003 17:00	100%	No	No			
WT	3693	OMA	Rel-6	N	Stage 3 in OMA (it impacts MLP and RLP)			10/07/2003 08:00	23/12/2003 17:00	0%	No	No			
BB	**2630**	**S2**	**Rel-6**	**N**	**Enhanced inter-GMLC interface**		TSG	24/06/2002 08:00	12/09/2003 17:00	76%	No	No			
WT	3670	S2	Rel-6	N	Stage 2			24/06/2002 08:00	05/09/2003 17:00	86%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3694	OMA	Rel-6	N	Stage 3 in OMA (definition of RLP and PCP)			02/09/2002 08:00	12/09/2003 17:00	65%	No	No			
BB	**2810**	**S2**	**Rel-6**	**N**	**Location Services support for IMS public identities**		TSG	02/09/2002 08:00	19/12/2003 17:00	39%	No	No			
WT	3671	S2	Rel-6	N	Stage 2			24/02/2003 08:00	19/12/2003 17:00	19%	No	No			
WT	3695	OMA	Rel-6	N	Stage 3 in OMA (impacts MLP, RLP and PCP)			02/09/2002 08:00	19/12/2003 17:00	51%	No	No			
BB	**3217**	**S2**	**Rel-6**	**N**	**New area event for location service triggering reports**		TSG	03/06/2002 08:00	22/12/2003 17:00	61%	No	No			
WT	3672	S2	Rel-6	N	Stage 2			03/06/2002 08:00	27/06/2003 17:00	100%	No	No			
WT	3696	N4	Rel-6	N	Stage 3 for UE-CN signalling			10/07/2003 08:00	22/12/2003 17:00	0%	No	No			
WT	3697	OMA	Rel-6	N	Stage 3 in OMA (impacts MLP, RLP and PCP)			14/07/2003 08:00	19/12/2003 17:00	0%	No	No			
BB	**3544**	**S2**	**Rel-6**	**N**	**FS on applicability of GALILEO for LCS**			08/07/2002 08:00	19/03/2004 17:00	40%	No	No			
WT	3698	S2	Rel-6	N	TR on Stage 2			08/07/2002 08:00	19/03/2004 17:00	60%	No	No			
WT	3699	GP	Rel-6	N	GERAN review of the TR			25/08/2003 08:00	12/12/2003 17:00	0%	No	No			
BB	**3469**	**RP**	**Rel-6**	**N**	**UE positionning**	**LCS2-UEpos**	TSG	28/08/2000 08:00	19/03/2004 17:00	45%	No	No			
WT	2457	R2	Rel-6	N	UE positioning enhancements - other methods	LCS2-UEpos-enh	TSG	28/08/2000 08:00	26/09/2003 17:00	10%	No	No		This is a building block without particular end date	M. Beckmann, Siemens
WT	3211	R2	Rel-6	N	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	01/07/2002 08:00	19/09/2003 17:00	50%	No	No			David Bartlett, Cambridge Positioning Systems
WT	2475	R2	Rel-6	N	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	15/01/2001 08:00	19/09/2003 17:00	95%	No	No			Meik Kottkamp, Siemens
WT	3684	R4	Rel-6	N	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	06/06/2003 08:00	19/03/2004 17:00	0%	No	No			Donglin Shen, AT&T Wireless Services donglin.shen@attws.com
F	**3556**	**GP**	**Rel-6**	**N**	**Uplink TDOA location determination for GSM/GPRS**	**UTDOA**	TSG	15/11/2002 08:00	12/11/2004 17:00	20%	No	No		Ongoing	Gross/Robinson, TruePosition, Inc.

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3557**	**GP**	**Rel-6**	**N**	**Addition of U-TDOA in the CS domain**	**UTDOA-CS**		15/11/2002 08:00	23/04/2004 17:00	60%	No	No			
BB	**3558**	**GP**	**Rel-6**	**N**	**Addition of U-TDOA in the PS domain**	**UTDOA-PS**		15/11/2002 08:00	12/11/2004 17:00	5%	No	No		Not started	
F	**1571**	**S3**	**Rel-6**	**N**	**Security enhancements**	**SEC1**	TSG	03/01/2001 08:00	14/03/2003 17:00	33%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**2026**	**S3**	**Rel-6**	**N**	**Enhanced HE control of security (including positive authentication reporting)**			03/01/2001 08:00	14/03/2003 17:00	35%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone Peter.Howard@vodafone.com
WT	2027	S3	Rel-6	N	Stage 2			03/01/2001 08:00	14/06/2002 17:00	0%	No	No		New end date and correct Release to be decided S3#18	
WT	3528	S3	Rel-6	N	Network domain security	SEC1-NDS	TSG	17/06/2002 08:00	14/03/2003 17:00	80%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor Geir-myrdahl.koien@telenor.com
WT	3529	S3	Rel-6	N	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	17/06/2002 08:00	14/03/2003 17:00	80%	No	No	TS 33.210	Should be complete after SA3#27	
F	**3122**	**S1**	**Rel-6**	**N**	**IMS Phase 2**	**IMS2**	TSG	28/08/2000 08:00	31/12/2003 17:00	47%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
BB	**3541**	**S2**	**Rel-6**	**N**	**Stage 2 of IMS Phase 2**			02/09/2002 08:00	19/09/2003 17:00	80%	No	No			
BB	**3677**	**N4**	**Rel-6**	**N**	**Enhancements to the Cx and Sh interfaces**	**IMS2-CCR**	WG	06/06/2003 08:00	12/12/2003 17:00	10%	No	No		29./05/2003 CN4: New WID presented for approval at CN#20	
BB	**3092**	**S1**	**Rel-6**	**N**	**IMS Group Management**	**IMSGM**	TSG	14/03/2002 08:00	31/12/2003 17:00	35%	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3093	S1	Rel-6	N	Stage 1 - TS on IMS group management		TSG	14/03/2002 08:00	09/12/2002 17:00	75%	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3623	S2	Rel-6	N	Stage 2			26/05/2003 08:00	31/12/2003 17:00	44%	No	No			
WT	3547	N1		N	Stage 3 for IMS Group management (e.g. chat)			13/12/2002 08:00	12/12/2003 17:00	0%	No	No			Keith Drage, Lucent drage@lucent.com

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**3548**	**N1**	**Rel-6**	**N**	**IMS Conferencing**			04/11/2002 08:00	12/12/2003 17:00	50%	No	No			
WT	3624	S2	Rel-6	N	Stage 2			04/11/2002 08:00	30/09/2003 17:00	82%	No	No			
WT	3634	N1		N	Stage 3			13/12/2002 08:00	12/12/2003 17:00	20%	No	No			Keith Drage, Lucent drage@lucent.com
BB	**3089**	**S1**	**Rel-6**	**N**	**IMS Messaging**	**IMSM**	TSG	14/03/2002 08:00	12/12/2003 17:00	66%	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3090	S1	Rel-6	N	TR on support of messaging in the IMS	IMSM-TR	TSG	14/03/2002 08:00	09/12/2002 17:00	100%	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3560	S1	Rel-6	N	Stage 1 22.340	IMSM-TS	TSG	11/11/2002 08:00	11/12/2002 17:00	100%	No	No	22.340		Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3091	S1	Rel-6	N	CRs to existing 22-series specifications	IMSM-CR	TSG	14/03/2002 08:00	17/03/2003 17:00	75%	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3559	S1	Rel-6	N	CRs to 22.140 & 22.228	IMSM-CR	TSG	14/03/2002 08:00	17/03/2003 17:00	75%	No	No	22.140,22.228		Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
WT	3471	S2	Rel-6	N	Stage 2			04/11/2002 08:00	26/09/2003 17:00	79%	No	No			
WT	3550	N1		N	Stage 3 for IMS Messaging			13/12/2002 08:00	12/12/2003 17:00	10%	No	No			Keith Drage, Lucent drage@lucent.com
BB	**2692**	**S2**	**Rel-6**	**N**	**IMS Local services**			01/01/2001 08:00	12/12/2003 17:00	48%	No	No	23.228		
WT	3123	S2	Rel-6	N	Stage 2			01/01/2001 08:00	29/03/2002 17:00	100%	No	No			
WT	3546	N1		N	Stage 3 for IMS Local services			13/12/2002 08:00	12/12/2003 17:00	0%	No	No			Keith Drage, Lucent drage@lucent.com
BB	**3551**	**N1**	**Rel-6**	**N**	**Additional SIP Capabilities support not covered by Rel-5**			11/11/2002 08:00	12/12/2003 17:00	51%	No	No			
WT	3627	S2	Rel-6	N	Stage 2 for add SIP cap (e.g. forking)			11/11/2002 08:00	27/06/2003 17:00	100%	No	No			
WT	3637	N1		N	Stage 3 for Additional SIP Capabilities			13/12/2002 08:00	12/12/2003 17:00	20%	No	No			Keith Drage, Lucent drage@lucent.com
BB	**3552**	**N1**		**N**	**Review additional SIP Capabilities against IMS**			13/12/2002 08:00	12/12/2003 17:00	0%	No	No			Keith Drage, Lucent drage@lucent.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**2048**	**N3**	**Rel-6**	**N**	**Interworking between IMS and IP networks**	**IMS-CCR-IWIP**	TSG	28/08/2000 08:00	12/12/2003 17:00	48%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT nigel.holland@bt.com
WT	2828	N3	Rel-6	N	Interworking for 3GPP_SIP and IETF_SIP			28/08/2000 08:00	13/06/2003 17:00	100%	No	No	New TR 29.962	[DAB - 20.08.03] - CN Part of TR Complete @ CN#20	Thomas Belling, Siemens
WT	2829	N3	Rel-6	N	Interworking for IPv6 to IPv4			28/08/2000 08:00	12/12/2003 17:00	20%	No	No	29.163		
BB	**3206**	**N1**	**Rel-6**	**N**	**Mm interface (CSCF to external IP multimedia network) -- NOT CN3**			14/03/2001 08:00	12/12/2003 17:00	23%	No	No		[DAB - 23.05.03] - IS NOT THE RESPO OF CN3	
WT	2697	N1	Rel-6	N	CN1 part			14/03/2001 08:00	12/12/2003 17:00	38%	No	No			
BB	**2801**	**N3**	**Rel-6**	**N**	**Interworking between IMS and CS networks**	**IMS-CCR-IWCS**	TSG	28/08/2000 08:00	19/09/2003 17:00	79%	No	No	29.163, 29.061, 24.228, and new CN4 specification	[DAB - 23.05.03] - Remove ITU dependancies	Brendan Mc Williams, Vodafone brendan.mcwilliams@vf.vodafone.co.uk
BB	**2694**	**N4**	**Rel-6**	**N**	**Mn interface (IM-MGW to MGCF) enhancements**	**IMS-CCR-Mn**		02/09/2002 08:00	12/12/2003 17:00	60%	No	No		17th May 2002, CN4; Will be handled in Rel-6...	Peter Schmitt, Siemens
BB	**3565**	**N4**	**Rel-6**	**N**	**Mp (MRFC - MRFP) interface protocol definitions**	**IMS-CCR-Mp**		07/10/2002 08:00	12/12/2003 17:00	10%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)...	David Sanders, Vodafone
BB	**3561**	**S1**	**Rel-6**	**N**	**Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6”**			15/11/2002 08:00	12/12/2002 17:00	100 %	No	No			Juha Kalliokulju (Nokia) juha.kalliokulju@nokia.com
BB	**3598**	**S3**	**Rel-6**	**N**	**Lawful Interception in the 3GPP Rel-6 architecture**	**SEC1-LI**	TSG	09/12/2002 08:00	18/12/2003 17:00	10%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm Berthold.Wilhelm@REGTP.DE
BB	**3675**	**S1**	**Rel-6**	**N**	**IMS Subscription and access scenarios**			16/12/2002 08:00	13/06/2003 17:00	58%	No	No	22.800		
F	**3485**	**S2**	**Rel-6**	**N**	**Interoperability and Commonality between IMS using different "IP-connectivity Networks"**	**IMSCOOP**	TSG	16/09/2002 08:00	12/12/2003 17:00	42%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3543	S2	Rel-6	N	Stage 2 for Interoperability			16/09/2002 08:00	19/09/2003 17:00	79%	No	No			Balazs Beternyi, Nokia
BB	3705	S2	Rel-6	N	Stage 2 for commonality			16/09/2002 08:00	19/09/2003 17:00	100 %	No	No			Balazs Beternyi, Nokia
BB	3542	N1	Rel-6	N	Stage 3			14/10/2002 08:00	12/12/2003 17:00	0%	No	No			Keith Drage, Lucent drage@lucent.com
F	1365	S1	Rel-6	N	Support of Push Services	PUSH	TSG	03/01/2001 08:00	26/12/2003 17:00	48%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
BB	2626	S1	Rel-6	N	Stage 1			03/01/2001 08:00	14/06/2002 17:00	100 %	No	No			
BB	2627	S2	Rel-6	N	TR on feasibility study			03/01/2001 08:00	07/09/2001 17:00	100 %	No	No		Stage 2 on hold, waiting for requirements.	
BB	3472	S2	Rel-6	N	TR 23.976 on Push Architecture			11/11/2002 08:00	26/12/2003 17:00	58%	No	No			Nick Alfano, RIM
F	3518	T2	Rel-6	N	Multimedia Messaging (MMS) enhancements	MMS6	TSG	15/08/2002 08:00	10/03/2004 17:00	32%	No	Yes			Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
BB	3519	S1	Rel-6	N	Definition of service requirements	MMS6-SR		15/11/2002 08:00	20/12/2003 17:00	75%	No	No	22.140		
WT	3562	S1	Rel-6	N	Definition of service requirements charging			15/11/2002 08:00	20/12/2003 17:00	75%	No	No	22.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
BB	3520	T2	Rel-6	N	Technical realization			15/08/2002 08:00	10/12/2003 17:00	20%	No	No	23.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
BB	3521	T2	Rel-6	N	OMA dependencies			15/08/2002 08:00	10/03/2004 17:00	0%	No	No			
BB	3522	S4	Rel-6	N	MMS formats and codecs			15/08/2002 08:00	18/12/2003 17:00	20%	No	No	26.140		

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3117**	**T2**	**Rel-6**	**N**	**Rel-6 MExE enhancements**	**MEXE6**	TSG	08/03/2002 08:00	06/06/2003 17:00	100 %	No	Yes			
BB	**3118**	**T2**	**Rel-6**	**N**	**MExE Rel-6 Improvements and Investigations**	**MEXE6-ENHANC**	TSG	08/03/2002 08:00	12/03/2003 17:00	100 %	No	Yes	22.057, 23.057		Lars Brenk (TTPCom) lsb_ttpcom@HOTMAIL.COM
BB	**3119**	**T2**	**Rel-6**	**N**	**MExE Run-Time Independent Framework Feasibility Study**	**MEXE6-RTIF**	TSG	08/03/2002 08:00	06/06/2003 17:00	100 %	No	Yes	22.857		Aaron Cohen (Intel) Aaron.Cohen@intel.com
F	**2062**	**S5**	**Rel-6**	**N**	**Subscription Management**	**SM**	TSG	29/12/2000 08:00	19/03/2004 17:00	60%	No	Yes	32.140/1, 32.171/2	az: TSG appr. 9/03=>3/04. New TSs 32.171/2. Changed Rapp: Michael Eder (Nokia)=> Istvan ABA (T-Mobile Austria).	Istvan ABA (T-Mobile Austria) istvan.aba@t-mobile.at
F	**2499**	**S1**	**Rel-6**	**N**	**Support of Presence Capability**	**PRESNC**	TSG	19/03/2001 08:00	19/12/2003 17:00	72%	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**	**N**	**Stage 1**			19/03/2001 08:00	18/07/2003 17:00	95%	No	No			
BB	**2502**	**S2**	**Rel-6**	**N**	**Stage 2**		TSG	12/09/2001 08:00	20/09/2002 17:00	100 %	No	No			
BB	**3703**	**N1**	**Rel-6**	**N**	**Stage 3**			01/04/2002 08:00	19/12/2003 17:00	65%	No	No			Keith Drage, Lucent drage@lucent.com
BB	**3687**	**S4**	**Rel-6**	**N**	**Media Codecs and Formats for IMS Messaging and Presence**	**COFIMP**	TSG	12/06/2003 08:00	18/12/2003 17:00	10%	No	No	TS 26.141	Also for 31022 IMS Messaging	Harri Honko (Nokia) harri.honko@nokia.com
BB	**2504**	**S3**	**Rel-6**	**N**	**Security issues**			26/08/2002 08:00	12/12/2002 17:00	20%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	
BB	**2505**	**T3**	**Rel-6**	**N**	**USIM issues**			04/03/2002 08:00	20/06/2002 17:00	0%	No	No			
F	**3159**	**GP**	**Rel-6**	**N**	**Enhanced A/Gb feasibility study**	**AGbEnFS**	TSG	30/08/2002 08:00	08/11/2002 17:00	78%	No	No		Closed	J-L Carrizo, Vodafone jose-luis.carrizo@vodafone.co.uk

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3160**	**G2**	**Rel-6**	**N**	**Feasibility study on A/Gb enhancements**	**AGbEnFS-FS**	TSG	30/08/2002 08:00	08/11/2002 17:00	78%	No	No			
WT	3486	GP	Rel-6	N	Requirements for the support of conversational services			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
WT	3553	GP	Rel-6	N	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
WT	3554	GP	Rel-6	N	Outline of impact and feasibility of these building blocks and their different solutions			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
WT	3487	G2	Rel-6	N	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			30/08/2002 08:00	08/11/2002 17:00	0%	No	No			
WT	3488	G2	Rel-6	N	Outline of impact and feasibility of these building blocks and their different solutions			30/08/2002 08:00	08/11/2002 17:00	0%	No	No			
WT	3489	GP	Rel-6	N	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
WT	3490	GP	Rel-6	N	Standardisation effort			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
WT	3491	GP	Rel-6	N	Dependency to other features			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
F	**3166**	**GP**	**Rel-6**	**N**	**Flexible Layer One for GERAN**	**FLOGER**	TSG	03/01/2000 08:00	30/01/2004 17:00	38%	No	No		Nokia, Ericsson, Siemens, Telia	Benoist Sébire benoist.sebire@nokia.com
BB	**3167**	**GP**	**Rel-6**	**N**	**Realisation of a Flexible Layer One**	**FLOGER-Real**		03/01/2000 08:00	21/11/2003 17:00	58%	No	No		Started	Benoist Sébire benoist.sebire@nokia.com
WT	3168	GP	Rel-6	N	Technical Report			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
WT	3169	G1	Rel-6	N	Architecture in 45.001 and 43.051			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
WT	3170	G1	Rel-6	N	Multiplexing in 45.002			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
WT	3171	G1	Rel-6	N	Channel Coding in 45.003			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
WT	3172	G1	Rel-6	N	Performance Requirements in 45.005			03/01/2000 08:00	21/11/2003 17:00	65%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3173	G1	Rel-6	N	Radio subsystem link control in 45.008			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
WT	3174	G2	Rel-6	N	Requirements in 44.004			19/04/2002 08:00	21/11/2003 17:00	65%	No	No			
BB	**3175**	**G2**	**Rel-6**	**N**	**Signalling and protocol support for a Flexible Layer One**	**FLOGER-SigPro**		19/04/2002 08:00	21/11/2003 17:00	30%	No	No		Started	Benoist Sébire benoist.sebire@nokia.com
WT	3176	G2	Rel-6	N	Modifications to RLC/MAC in 44.060 and 44.160			19/04/2002 08:00	21/11/2003 17:00	30%	No	No			
WT	3177	G2	Rel-6	N	Modifications to RRC in 44.118 and 44.018			19/04/2002 08:00	21/11/2003 17:00	30%	No	No			
BB	**3178**	**S3, G2**	**Rel-6**	**N**	**Security for a Flexible Layer One**	**FLOGER-SecFLO**		19/04/2002 08:00	29/08/2003 17:00	52%	No	No		Started	Benoist Sébire benoist.sebire@nokia.com
WT	3179	S3, G2	Rel-6	N	Ciphering in 44.160,44.118, 44.060 and 44.018			19/04/2002 08:00	29/08/2003 17:00	100%	No	No			
BB	**3180**	**G4;G5**	**Rel-6**	**N**	**GERAN MS Conformance test for the Flexible Layer One**	**FLOGER-Msconf**		22/11/2002 13:00	30/01/2004 17:00	0%	No	No		Not started	Benoist Sébire benoist.sebire@nokia.com
WT	3181	G4;G5	Rel-6	N	MS Test in 51.010			22/11/2002 13:00	30/01/2004 17:00	0%	No	No			
BB	**3182**	**G3**	**Rel-6**	**N**	**GERAN BTS Conformance test for the Flexible Layer One**	**FLOGER-BTSconf**		19/04/2002 08:00	30/01/2004 17:00	0%	No	No		Not started	Benoist Sébire benoist.sebire@nokia.com
WT	3492	G3	Rel-6	N	BTS Test in 51.021			19/04/2002 08:00	30/01/2004 17:00	0%	No	No			
F	**2797**	**GP**	**Rel-6**	**N**	**Uplink TDOA feasibility study**	**TDOAF**		30/11/2001 08:00	28/06/2002 17:00	100 %	No	No	45.811		Bob Gross, TruePosition, Inc. rlgross@trueposition.com
F	**2544**	**S1**	**Rel-6**	**N**	**Multimedia Broadcast and Multicast Service**	**MBMS**	TSG	11/05/2001 08:00	19/03/2004 17:00	24%	No	No		Title renamed at SA#13	
BB	**2545**	**S1**	**Rel-6**	**N**	**Stage 1**			11/05/2001 08:00	01/04/2002 17:00	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	**2680**	**S2**	**Rel-6**	**N**	**Stage 2**		TSG	24/09/2001 08:00	31/12/2003 17:00	60%	No	No			
WT	3473	S2	Rel-6	N	TR on Architectural Study			24/09/2001 08:00	23/08/2002 17:00	100%	No	No			
WT	3474	S2	Rel-6	N	Stage 2 Specification Work			19/08/2002 08:00	31/12/2003 17:00	85%	No	No			

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**2481**	**R2**	**Rel-6**	**N**	**Introduction of MBMS in RAN**	**MBMS-RAN**	TSG	01/01/2002 08:00	19/03/2004 17:00	20%	No	No			Juho Pirskanen , Nokia juho.pirskanen@nokia.com
BB	**3212**	**N1**	**Rel-6**	**N**	**Support of the MBMS in CN protocols**		TSG	18/06/2002 08:00	12/12/2003 17:00	10%	No	No			
BB	**3530**	**S3**	**Rel-6**	**N**	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	**MBMS**	TSG	01/07/2002 08:00	28/02/2003 17:00	20%	No	No		WID approved SA#17	Escott, Adrian, Hutchison 3G UK adrian.escott@hutchison3g.com
BB	**3493**	**GP**	**Rel-6**	**N**	**Support of MBMS in GERAN**	**MBMS-GERAN**	TSG	30/08/2002 08:00	06/02/2004 17:00	14%	No	No			
WT	3494	GP	Rel-6	N	Impact on the logical and physical channels			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3495	G1	Rel-6	N	Simultaneous support of MBMS services			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
WT	3496	G1	Rel-6	N	Simultaneous support of MBMS and non-MBMS services			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
WT	3497	G2	Rel-6	N	Re-synchronisation at cell change			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
WT	3498	GP	Rel-6	N	Decision making process between point-to-point or pont-to-multipoint configurations			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3499	GP	Rel-6	N	MBMS channel allocations procedures to multiple MSs			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3500	GP	Rel-6	N	Changes to the Gb interface			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3501	GP	Rel-6	N	GERAN specific changes to the Iu-ps interface			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3502	GP	Rel-6	N	Interaction between MBMS and Iu-flex			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3503	GP	Rel-6	N	Security aspects			30/08/2002 08:00	06/02/2004 17:00	20%	No	No			
WT	3504	G5	Rel-6	N	MS conformance tests			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
F	**2732**	**S1**	**Rel-6**	**N**	**Speech Recognition and Speech Enabled Services**	**SRSES**	TSG	08/10/2001 08:00	30/04/2004 17:00	32%	No	No			
BB	**2733**	**S1**	**Rel-6**	**Y**	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	**DSR**	TSG	08/10/2001 08:00	15/03/2002 17:00	95%	No	No	22.941, 23.207, 22.243		D Williams, QUALCOMM, Inc. Dwilliams@qualcomm.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2779	S2	Rel-6	N	TR on Architectural impacts			12/05/2003 08:00	30/04/2004 17:00	25%	No	No			
BB	2780	N1	Rel-6	N	SES codec negotiation at SDP			23/09/2002 08:00	04/06/2003 17:00	0%	No	No		renamed according to Hannu's indication	
BB	3574	S4	Rel-6	N	Codec Work to Support Speech Recognition Framework for Automated Voice Services	SRSES-Codec	WG	15/10/2002 08:00	26/09/2003 17:00	35%	No	No	22.243		David Pearce, Motorola bdp003@motorola.com
F	2734	S1	Rel-6	N	Generic User Profile	GUP	TSG	08/10/2001 08:00	12/12/2003 17:00	41%	No	No			
BB	2735	S1	Rel-6	N	Stage 1 - Requirements			08/10/2001 08:00	30/05/2003 17:00	88%	No	No	22.240, 22.228		Paul Amery (Orange) paul.amery@orange.co.uk
BB	2736	T2	Rel-6	N	Stage 2 - Data Description Method		WG	08/10/2001 08:00	10/12/2003 17:00	20%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA) kurt.bischinger@t-mobile.at
BB	2737	S2	Rel-6	N	Stage 2 - Architecture			28/01/2002 08:00	06/06/2003 17:00	100 %	No	No	23.240		Nacho Uzquiano (Telefonica) uzquiano_ji@tsm.es
BB	2738	T2	Rel-6	N	Stage 3 - Common objects		WG	08/10/2001 08:00	10/12/2003 17:00	10%	No	No	24.241		
BB	3088	N4	Rel-6	N	Stage 3 - Network			19/05/2003 08:00	12/12/2003 17:00	15%	No	No	29.240	17 May no activity in CN4...	
BB	3531	S3	Rel-6	N	Security Aspects		WG	16/07/2002 08:00	18/09/2003 17:00	15%	No	No	33.102, 33.203, 33.210	WID approved SA#17. SA WG3 progress slow, depends on progress in other groups.	Owen, Bradley bvowen@lucent.com
F	2761	S1	Rel-6	N	Digital Rights Management	DRM	TSG	08/10/2001 08:00	21/03/2003 17:00	49%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
BB	2762	S1	Rel-6	N	Requirements			08/10/2001 08:00	13/06/2002 17:00	100 %	No	No			Nicholas Wood, Openwave Systems nicholas.wood@openwave.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3591	S1	Rel-6	N	Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			19/08/2002 08:00	21/03/2003 17:00	0%	No	No			
BB	2764	S3	Rel-6	N	Security			17/06/2002 08:00	03/03/2003 17:00	40%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
F	2767	S1	Rel-6	N	WLAN-UMTS Interworking	WLAN	TSG	03/01/2000 08:00	31/12/2003 17:00	79%	No	No			Fredric Paint, Telenor frederic.paint@telenor.com
BB	2820	S1	Rel-6	N	Technical Report	WLAN-TR		03/01/2000 08:00	13/06/2003 17:00	99%	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor frederic.paint@telenor.com
BB	3563	S1	Rel-6	N	CRs to implement WLAN	WLAN-CR		03/01/2000 08:00	13/06/2003 17:00	85%	No	No	22.934, 22.101, 22.105, 22.115		Fredric Paint, Telenor frederic.paint@telenor.com
BB	3130	S2	Rel-6	N	Architecture Definition		TSG	25/03/2002 08:00	31/12/2003 17:00	86%	No	No			
BB	3475	S3	Rel-6	N	Security		TSG	30/09/2002 08:00	21/03/2003 17:00	30%	No	No	21.133, 33.106, 33.107, 33.108, 33.200, 33.203, 33.210	Active contribution S3#24, S3#25. WID approved SA#17	Lopez-Soria, Luis, Ericsson luis.lopez-soria@ece.ericsson.se
BB	3662	N4	Rel-6	N	Stage 3 - CN4 aspects	WLAN-IW	TSG	23/05/2003 08:00	12/12/2003 17:00	15%	No	No	29.234, 29.061	WID approved at CN#19...	Rodriguez ,Raquel, Nokia raquel.rodriguez@nokia.com
BB	3678	N1	Rel-6	N	WLAN interworking-stage 3		WG	23/05/2003 08:00	12/12/2003 17:00	2%	No	No			
F	2822	S1	Rel-6	N	Priority Service	PRIOR	TSG	30/05/2002 08:00	26/09/2003 17:00	52%	No	No			
BB	2823	S1	Rel-6	N	Feasibility Study	PRIOR-FS		14/06/2002 08:00	14/06/2002 17:00	100 %	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies bpramani@telcordia.com

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2824	S1	Rel-6	N	Stage 1 - Requirements	PRIOR-SR		30/05/2002 08:00	17/09/2003 17:00	85%	No	No			James J. Garrahan, Telcordia Technologies bpramani@telcordia.com
BB	3674	S1	Rel-6	N	Priority Multimedia Service			28/03/2003 08:00	26/09/2003 17:00	0%	No	No			
BB	3680	S1	Rel-6	N	Priority service implementation guide			28/03/2003 08:00	26/09/2003 17:00	20%	No	No	22.952		Biplab K. Pramanik, Telcordia Technologies bpramani@telcordia.com
F	2825	S1	Rel-6	N	Network Sharing	NTShar	TSG	20/01/2003 08:00	19/12/2003 17:00	66%	No	No			
BB	2826	S1	Rel-6	N	Technical Report	NTShar-TR		20/01/2003 08:00	19/12/2003 17:00	99%	No	No	22.951		
BB	3638	S1	Rel-6	N	Stage 1 - CRs to implement Network Sharing	NTShar-CR		20/01/2003 08:00	19/12/2003 17:00	95%	No	No	22.011, 22.101, 22.115, 22.129		
BB	3664	S2	Rel-6	N	Stage 2			27/02/2003 08:00	19/12/2003 17:00	43%	No	No			
BB	3679	N1	Rel-6	N	Network sharing - stage 3		WG	23/05/2003 08:00	12/12/2003 17:00	0%	No	No			
F	2811	S2	Rel-6	Y	QoS Improvements	QoS1	TSG	15/07/2002 08:00	19/12/2003 17:00	64%	No	No			
BB	2812	S2	Rel-6	N	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	15/07/2002 08:00	19/12/2003 17:00	75%	No	No			Claire Mousset, Nortel
BB	3701	S2	Rel-6	N	Definition of the Gq interface			01/07/2003 08:00	19/12/2003 17:00	30%	No	No			Janne Rinne (Nokia)
F	2814	S3	Rel-6	N	Support for subscriber certificates	SEC1-SC	TSG	25/02/2002 08:00	14/11/2002 17:00	49%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia valtteri.niemi@nokia.com
BB	3476	S3	Rel-6	N	Stage 1			25/02/2002 08:00	12/09/2002 17:00	40%	No	No		Contribution received S3#24, S3#25	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3477	S2	Rel-6	N	Architecture review			14/10/2002 08:00	14/11/2002 17:00	100 %	No	No			
F	3101	S1	Rel-6	N	Rel-6 OSA enhancements	OSA3	TSG	27/02/2002 16:12	26/03/2004 17:00	38%	No	No	22.127, 29.198, 29.998	NP-030036 Rev WID replaces SP-020573.	Chelo ABARCA (Alcatel) Chelo.Abarca@alcatel.fr
BB	3673	S1	Rel-6	N	Scope of the Open Service Access Release 6		TSG	28/03/2003 08:00	27/06/2003 17:00	90%	No	No			
BB	3107	S1	Rel-6	N	User Data Management / User data security management (Stage 1)		TSG	27/02/2002 16:12	06/01/2003 13:50	100 %	No	No	22.127		
BB	3482	N5	Rel-6	N	User Data Management / User data security management (Stage 3)		TSG	14/03/2002 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: No support from SA2.	
BB	3566	N5	Rel-6	N	Retrieval of Visited Network capabilities		TSG	31/10/2002 08:00	19/12/2003 17:00	60%	No	No	29.198, 29.998		
BB	3567	N5	Rel-6	N	Access to IP Session information		TSG	31/10/2002 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: No support from SA2.	
BB	3568	N5	Rel-6	N	Multi Media Messaging function		TSG	31/10/2002 08:00	26/03/2004 17:00	50%	No	No	29.198, 29.998	N5#24: Completion 60%->50%. Completion 12/03->03/04.	
BB	3569	N5	Rel-6	N	Enhanced user privacy in LCS		TSG	31/10/2002 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: No contributions. N5 suggests SA1 to remove requirement	
BB	3570	N5	Rel-6	N	Policy management extensions		TSG	31/10/2002 08:00	26/03/2004 17:00	40%	No	No	29.198, 29.998	N5#24: Completion 60%->40%. Completion 12/03->03/04.	
BB	3571	N5	Rel-6	N	Presence and Availability Management (from the PRESNC WI)		TSG	31/10/2002 08:00	26/03/2004 17:00	40%	No	No	29.198, 29.998	N5#24: Completion 60%->40%. Completion 12/03->03/04.	
BB	3644	N5	Rel-6	N	OSA interfaces at different levels of abstractions (Parlay X, Web services)		TSG	14/03/2003 08:00	26/03/2004 17:00	80%	No	No	29.199	N5#24: Completion 40%->80%. Completion 12/03->03/04.	
BB	3645	N5	Rel-6	N	Introduction of migration support mechanism		TSG	14/03/2003 08:00	19/12/2003 17:00	90%	No	No	29.198, 29.998	N5#24: Completion 60%->90%.	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3646**	**N5**	**Rel-6**	**N**	**User Profile**		TSG	14/03/2003 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: No contributions. N5 suggests SA1 to remove requirement	
BB	**3647**	**N5**	**Rel-6**	**N**	**Network functions for end-user/application interaction support**		TSG	14/03/2003 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: SA1 requirement may disappear	
BB	**3648**	**N5**	**Rel-6**	**N**	**Framework Function for Federation**		TSG	14/03/2003 08:00	19/12/2003 17:00	90%	No	No	29.198, 29.998	N5#24: Completion 60%->90%. N5 believes that current FW supports this requirement without changes.	
BB	**3649**	**N5**	**Rel-6**	**N**	**Enhancements to IP Session Function in OSA for the control and monitor of IP Flows**		TSG	14/03/2003 08:00	19/12/2003 17:00	0%	No	No	29.198, 29.998	N5#24: Completion 60%->0%. Reason: No reply from SA1, SA2	
F	**3240**	**GP**	**Rel-6**	**N**	**Addition of frequency bands to GSM**	**TAPS**	TSG	28/06/2002 08:00	21/11/2003 17:00	7%	No	No			Torben Themsen
BB	**3241**	**G1**	**Rel-6**	**N**	**Addition of frequency bands to GSM – Changes to core specs**	**TAPS-Specs**	TSG	15/11/2002 08:00	20/12/2002 17:00	100 %	No	No		Ready	Torben Themsen
WT	3242	G1	Rel-6	N	Changes to core specs			15/11/2002 08:00	20/12/2002 17:00	100%	No	No			
BB	**3243**	**G4**	**Rel-6**	**N**	**Addition of frequency bands to GSM – Changes for conformance tests**	**TAPS-Conf**		28/06/2002 08:00	21/11/2003 17:00	0%	No	No		Not started	Torben Themsen
WT	3244	G4	Rel-6	N	51.010-1 Add testing			28/06/2002 08:00	21/11/2003 17:00	0%	No	No			
F	**3505**	**GP**	**Rel-6**	**N**	**Seamless support of streaming services in A/Gb mode**	**SSStrea**	TSG	03/01/2000 08:00	30/01/2004 17:00	66%	No	No			José Luis Carrizo Martínez, Vodafone
BB	**3506**	**G1**	**Rel-6**	**N**	**Identification of requirements for streaming**			27/06/2003 08:00	29/08/2003 17:00	51%	No	No		Started	
WT	3604	G1	Rel-6	N	Requirements			27/06/2003 08:00	29/08/2003 17:00	100%	No	No			
BB	**3507**	**G1**	**Rel-6**	**N**	**Performance study of cell change mechanisms**			03/01/2000 08:00	29/08/2003 17:00	75%	No	No		Started	
WT	3605	G1	Rel-6	N	Performance of NACC			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			
WT	3606	G1	Rel-6	N	Performance of cell change in DTM for the PS domain			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3607	G1	Rel-6	N	Handover			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			
BB	**3508**	**G2**	**Rel-6**	**N**	**Reduction of service interruption times and packet loss during mobility procedures**			27/06/2003 08:00	21/11/2003 17:00	31%	No	No		Started	
WT	3608	G2	Rel-6	N	Optimisations of existing mechanisms/procedures			27/06/2003 08:00	21/11/2003 17:00	39%	No	No			
WT	3609	G2	Rel-6	N	Inter-system NACC			27/06/2003 08:00	21/11/2003 17:00	39%	No	No			
WT	3610	G2	Rel-6	N	PS Handover (within GERAN and between GERAN and UTRAN)			27/06/2003 08:00	21/11/2003 17:00	39%	No	No			
WT	3611	G2	Rel-6	N	Dependency to other features			27/06/2003 08:00	21/11/2003 17:00	39%	No	No			
BB	**3510**	**G4,G5**	**Rel-6**	**N**	**MS conformance testing**			19/12/2003 08:00	30/01/2004 17:00	0%	No	No		Not started	
WT	3612	G4,G5	Rel-6	N	MS conformance tests			19/12/2003 08:00	30/01/2004 17:00	0%	No	No			
BB	**3599**	**S3**	**Rel-6**	**N**	**GERAN A/Gb mode security enhancements**			26/09/2002 08:00	25/09/2003 17:00	10%	No	No	33.102	Possible changes to 33.102 or new specification needed.	Peter Howard, Vodafone peter.howard@vodafone.com
F	**3512**	**S4**	**Rel-6**	**N**	**Performance characterisation of default codecs for PS conversational multimedia application**	**CODCAR**	TSG	13/09/2002 08:00	26/09/2003 17:00	35%	No	No	TR 26.9yz		Pasi Ojala (Nokia) pasi.s.ojala@nokia.com
F	**3532**	**S1**	**Rel-6**	**N**	**Study of Feature Interactions Requirements**	**FINTER**	TSG	08/11/2002 08:00	03/03/2003 17:00	20%	No	No	TR 21.xyz		
F	**3533**	**S1**	**Rel-6**	**N**	**Study on Privacy Capability**	**PrivCap**	TSG	08/11/2002 08:00	03/03/2003 17:00	15%	No	No	TR 21.xyz		Liz Daniel, Lucent
F	**3535**	**S5**	**Rel-6**	**N**	**OAM&P**	**OAM**	TSG	21/05/2002 14:36	31/03/2004 17:00	25%	No	No	32-series		Michael TRUSS (Motorola) Michael.Truss@MOTOROLA.COM
BB	**3536**	**S5**	**Rel-6**	**N**	**Principles, high level Requirements and Architecture**	**OAM-AR**	TSG	12/09/2002 08:00	18/03/2004 17:00	45%	No	Yes	32.101, 32.102		Michael TRUSS (Motorola) Michael.Truss@MOTOROLA.COM

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3537**	**S5**	**Rel-6**	**N**	**Performance Management**	**OAM-PM**	TSG	12/09/2002 08:00	18/03/2004 17:00	40%	No	No	32.41x, 52.402		Christian TOCHE (Nortel Networks) toche@NORTELNETWORKS.COM
BB	**3538**	**S5**	**Rel-6**	**N**	**User Equipment Management**	**OAM-UEM**	TSG	21/05/2002 14:36	18/03/2004 17:00	14%	No	No	32.150	az: No role for T2. SA5 awaiting progress in OMA. Rapp resigned: John Mudge (Vodafone)	
WT	3581	S5	Rel-6	N	UEM requirements and architecture; Stages 1 and 2		TSG	12/09/2002 08:00	18/03/2004 17:00	30%	No	No	32.150 (SA5)	az: Rapp resigned: John Mudge (Vodafone)	
WT	3681	OMA	Rel-6	N	UEM protocol specification; Stage 3		TSG	21/05/2002 14:36	25/09/2003 17:00	0%	No	No	27.150 (T2)	az: No role for T2/T (work to be done in OMA)	
WT	3592	S3	Rel-6	N	Release 6 User Equipment Management: Security aspects	OAM-UEM-SEC	TSG	01/08/2002 08:00	25/09/2003 17:00	10%	No	No			Peter Howard (Vodafone) peter.howard@vodafone.com
BB	**3539**	**S5**	**Rel-6**	**N**	**Network Infrastructure Management**	**OAM-NIM**	TSG	12/09/2002 08:00	18/03/2004 17:00	35%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson) Thomas.Tovinger@emw.ericsson.se
BB	**3540**	**S5**	**Rel-6**	**N**	**Trace Management**	**OAM-Trace**	TSG	06/06/2003 08:00	31/03/2004 17:00	19%	No	No	32.42x, 52.008		Christian TOCHE (Nortel Networks) toche@NORTELNETWORKS.COM
WT	3685	R3	Rel-6	N	Subscriber and equipment trace support in UTRAN	OAM-Trace-RAN	TSG	06/06/2003 08:00	31/03/2004 17:00	15%	No	No			Yann Sehedic, Nortel sehedic@nortelnetworks.com
F	**3583**	**S5**	**Rel-6**	**N**	**Charging Management**	**CH**	TSG	21/11/2002 08:00	18/03/2004 17:00	35%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) karl-heinz.nenner@t-mobile.de
BB	**3584**	**S5**	**Rel-6**	**N**	**Charging Management for Bearer level**	**CH-BC**	TSG	22/11/2002 08:00	18/03/2004 17:00	25%	No	No			Benni ALEXANDER (Nokia)
BB	**3585**	**S5**	**Rel-6**	**N**	**Charging Management for the IMS**	**CH-IC**	TSG	22/11/2002 08:00	18/03/2004 17:00	25%	No	No			Ariel SHARON (Lucent)
BB	**3586**	**S5**	**Rel-6**	**N**	**Charging Management for the Service domain**	**CH-SC**	TSG	22/11/2002 08:00	18/03/2004 17:00	25%	No	No			Gerald GÖRMER (Siemens)
BB	**3594**	**S2**	**Rel-6**	**N**	**Overall architectural aspects of IP flow based bearer level charging**			21/11/2002 08:00	31/12/2003 17:00	70%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1800**	**T3**	**Rel-6**	**Y**	**Rel-6 UICC/USIM enhancements and interworking**	**USAT1**	TSG	25/09/2000 08:00	08/12/2003 17:00	81%	No	No			
BB	**1802**	**T3**	**Rel-6**	**Y**	**UICC API**	**USAT1-API**		20/03/2002 08:00	08/12/2003 17:00	93%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
WT	3195	T3	Rel-6	N	Java API Test specification			20/03/2002 08:00	10/06/2002 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	3470	T3	Rel-6	N	Java API Test specification (TS 43.019 Rel-5)			30/05/2002 08:00	09/06/2003 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	3715	T3	Rel-6	N	2G/3G Java Card™ API based applet interworking	USAT1-API	TSG	17/03/2003 08:00	08/12/2003 17:00	80%	No	No			Stéphane Andrau-Oberthur Card Systems
BB	**3587**	**T3**	**Rel-6**	**N**	**Rel-6 USIM toolkit enhancements**			25/09/2000 08:00	27/09/2002 17:00	71%	No	No			
WT	3588	T3	Rel-6	N	C SIM API	USAT1-API-MULTOS	TSG	25/09/2000 08:00	27/09/2002 17:00	91%	Yes	Yes			
WT	3589	T3	Rel-6	N	Specification		TSG	25/09/2000 08:00	27/09/2002 17:00	100%	Yes	Yes			Neil Livingston – Aspects Software
WT	3590	T3	Rel-6	N	Test specification		TSG	01/01/2001 08:00	28/09/2001 17:00	100%	Yes	Yes			Neil Livingston – Aspects Software
F	**3579**	**S4**	**Rel-6**	**N**	**Packet Switched Streaming Services Rel-6**	**PSSrel6**	TSG	18/11/2002 08:00	18/03/2004 17:00	44%	No	No			Olle Franceschi (Ericsson) Olle.Franceschi@emp.ericsson.se
BB	**3639**	**S1**	**Rel-6**	**N**	**Stage 1**		TSG	18/11/2002 08:00	17/03/2003 17:00	80%	No	No	22.233	2nd resp SA4	
BB	**3663**	**S4**	**Rel-6**	**N**	**Stage 3**	**PSSrel6**	WG	13/12/2002 08:00	18/03/2004 17:00	35%	No	No	26.233, 26.234, 26.244, 26.245, 26.246		Olle Franceschi (Ericsson) Olle.Franceschi@emp.ericsson.se
F	**3661**	**S3**	**Rel-6**	**N**	**Network Domain Security; Authentication Framework (NDS/AF)**	**SEC1-NDS-AF**	TSG	15/02/2002 08:00	19/12/2003 17:00	10%	No	No		WID approved SA#19. Work started after FS approved SA#18	Tommi Viitanen, Nokia tommi.viitanen@nokia.com
F	**3580**	**S4**	**Rel-6**	**N**	**AMR-WB extension for high audio quality**	**AMRWB+**	TSG	13/12/2002 08:00	18/03/2004 17:00	35%	No	No			Janne Vainio (Nokia) janne.m.vainio@nokia.com

Extracted from 3GPP Work Plan: Version 2003 September 16th															
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	3613	GP;G1	Rel-6	N	Single Antenna Receiver Interference Cancellation (SAIC)	SAIC	TSG	15/11/2002 08:00	21/11/2003 17:00	60%	No	No			Marc Grant, Cingular Wireless
F	3614	GP	Rel-6	N	Support of Conversational Services in A/Gb mode via the PS domain	SCSAGB	TSG	07/02/2003 08:00	27/08/2004 17:00	6%	No	No			David Bladsjö, Ericsson
BB	3615	GP	Rel-6	N	Creation of a TR	SCSAGB-TR	TSG	07/02/2003 08:00	21/11/2003 17:00	40%	No	No			David Bladsjö, Ericsson
BB	3616	GP	Rel-6	N	Stage 2	SCSAGB-Stage2	TSG	21/11/2003 08:00	23/04/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3617	GP	Rel-6	N	Radio Channel Support	SCSAGB-RCS	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3618	GP;G2	Rel-6	N	Definition of radio resource management functionality	SCSAGB-RRM	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3619	GP	Rel-6	N	PS Handover	SCSAGB-PSH	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3620	GP;G2	Rel-6	N	Modifications to FLO	SCSAGB-FLO	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
F	3642	S1	Rel-6	N	Enhancement of dialled service for CAMEL	EDCAMEL	TSG	28/03/2003 08:00	19/09/2003 17:00	90%	No	No			Craig Bishop, Samsung Electronics Research Institute
BB	3643	N2	Rel-6	N	Stages 2 and 3			28/03/2003 08:00	19/09/2003 17:00	90%	No	No			
F	3688	S4	Rel-6	N	Definition of teleservice using Multimedia Broadcast/Multicast Service	TSMBMS	TSG	12/06/2003 08:00	18/03/2004 17:00	5%	No	No			Igor Curcio (Nokia) igor.curcio@nokia.com
F	3702	S2	Rel-6	N	Bandwidth and resource savings in CS networks			23/06/2003 08:00	25/03/2004 17:00	20%	No	No	TR 23.977		

Extracted from 3GPP Work Plan: Version 2003 September 16th															
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	3704	S3	Rel-6	N	FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces		TSG	03/07/2003 08:00	26/12/2003 17:00	0%	No	No			Raziq Yaqub, Toshiba America Research Inc.
F	3706	GP;G2	Rel-6	N	Multiple TBF in A/Gb mode	MULTBF	TSG	05/04/2002 08:00	30/01/2004 17:00	74%	No	No			Gunnar Mildh, Ericsson
BB	3707	GP;G2	Rel-6	N	Multiple TBF in A/Gb mode	MULTBF-Agbmode	TSG	05/04/2002 08:00	29/08/2003 17:00	94%	No	No			Gunnar Mildh, Ericsson
WT	3708	GP;G2	Rel-6	N	Multiple TBF Concept paper			05/04/2002 08:00	29/08/2003 17:00	100%	No	No			
WT	3709	GP;G2	Rel-6	N	Multiple TBF Stage 2 (43.064) CRs			05/04/2002 08:00	29/08/2003 17:00	100%	No	No			
WT	3710	GP;G2	Rel-6	N	Multiple TBF Stage 3 (44.060) CRs			05/04/2002 08:00	29/08/2003 17:00	100%	No	No		Not started	
BB	3711	GP-G2	Rel-6	N	Multiple TBF in A/Gb mode – MS testing	MULTBF-Testing	TSG	05/04/2002 08:00	30/01/2004 17:00	0%	No	No			Gunnar Mildh, Ericsson
F	3712	G3	Rel-6	N	Alignment between the test-regimes for GERAN capable MS	ALTERE	TSG	29/08/2003 08:00	21/11/2003 17:00	0%	No	No			Toubassi, Ericsson
BB	3713	G3	Rel-6	N	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	29/08/2003 08:00	21/11/2003 17:00	0%	No	No			