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

Meeting #25, Palm Springs, USA

Source: **Secretary TSG SA (Maurice Pope, MCC)**

Title: **Draft Report of TSG SA meeting #25**

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Contents

Draft Report

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the meeting and thanked the hosts, North American Friends of 3GPP for inviting TSG SA to Palm Springs, California, USA. Mr. G. Jones welcomed delegates on behalf of the hosts and provided the domestic arrangements for the meeting.

2 Approval of the Agenda

TD SP-040482: Draft agenda for TSG SA meeting#25. The draft agenda was introduced by the TSG SA Chairman, and was reviewed and approved.

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

IPR Declaration:

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

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

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

3 Approval of the meeting report of TSG SA Meeting # 24

TD SP-040483 Draft Report for TSG SA meeting #24. The draft Report of the previous meeting of TSG SA was reviewed and approved.

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

TD SP-040629 3GPP and OMA Web Services Specifications. This was introduced by Alcatel on behalf of Aepona, Alcatel, BT, Ericsson, IBM, Incomit, KPN, Lucent Technologies, Orange, SBC, Siemens, Telcordia, Telenor and TIM. The contribution was provided to re-enforce the statements made in TD SP-040630, the liaison statement from CN WG5 on the completion of the 3GPP specifications in the area of Web Services. The source companies proposed that the attached contribution be considered by TSG SA as an initial draft of the response liaison statement. It was commented that OMA should also be advised of the work progress in 3GPP (completed in TSG CN area). It was agreed that this LS should be sent and the attached document was used as a basis for this LS in TD SP-040676 which was dealt with under agenda item 8.1.2.

TD SP-040673 LS (from TSG RAN) to TSG SA on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457. This was introduced by the TSG RAN Chairman. It was agreed that delegates should consider this proposal and provide a final list for presentation and agreement. The revised list was provided in TD SP-040693 and dealt with under agenda item 8.2.2.

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

TD SP-040672 Short Notes from the 3GPP–ETSI TISPAN WS on NGN. This was introduced by the SA WG2 Chairman and provided the notes on the joint meeting.

Issues for 3GPP to consider:

- Creation/approval of relevant work items and related work process.
- ETSI TISPAN need Published Standards for referencing:
  - The first ETSI TISPAN Release is planned to be finished mid-2005, hence 3GPP should look into a mechanism to ensure that Published Standards can be available for referencing before Release 7 is frozen:
    - The “Early Implementation” process could potentially be used.
- 3GPP may also consider if it is beneficial to arrange a follow up WS in the February/March timeframe, as suggested at the WS.

The report was noted and related contributions considered to gain an overall opinion on NGN issues. Contributions TD SP-040495, TD SP-040496, TD SP-040498 and TD SP-040497 were presented and discussion followed.

TD SP-040495 Comments regarding NGN-related work in 3GPP. This was introduced by NTT DoCoMo and proposed that TSG SA endorse the following principles regarding NGN-related work within 3GPP and requested that proposed WID presented in SP-040531 be updated accordingly:

- Recognise the need for a common and globally applicable definition of NGN.
- Issue of collaboration with SDOs including all 3GPP organizational partners for NGN-related work within 3GPP to be referred to the PCG.
- Issue of IMS being used as the basis for the core network of NGN Release 1 within ITU-T Focus Group for Next Generation Networks to be referred to the PCG.
- Issue of access to IMS via fixed broadband to be referred to the PCG if the intention of the WID in TD SP-040531 is to specify access to IMS using fixed broadband as a 3GPP technology contradicting article 3 of the 3GPP working procedures.
- Removal of the All-IP Network Feasibility Study (TD SP-040303) from the list of linked work items within the proposed WID in TD SP-040531.
- If the intention of the proposed WID in TD SP-040531 is to specify the NGN architecture within 3GPP refer this issue to the PCG due to the implied change of scope of 3GPP.
- If the intention of the proposed WID in TD SP-040531 is not to specify the NGN architecture within 3GPP, clarify that NGN-related scope of work within 3GPP is to enable the re-use of IMS as a platform for NGN session control only. All other aspects are outside the scope of NGN-related work within 3GPP.
- Clarification that SA WG1 is required to evaluate any new requirements for IMS introduced by this work and that normal 3GPP working practices and procedures i.e. i.e. Requirements (Stage 1) --> Architecture (Stage 2) --> Protocols (Stage 3) method of working is to be strictly adhered to.
- Recognition of the need for an agreed method of interaction between ETSI TISPAN and 3GPP for NGN-related work within 3GPP to ensure that too great a burden is not placed upon 3GPP to carry out this work.

TD SP-040496 IMS NGN Standards Process. This was introduced by SBC Communications and discussed the IMS NGN standardisation process and proposed that agreement be reached on the following points:

1. That a top down requirements --> architecture --> protocol approach to IMS NGN standardization be followed.
2. That a single globally common services and system requirements specification be developed based on input from regional and international organizations that provides a unifying basis for architecture and protocol work.
3. That a collective services and system requirements specification be developed within 3GPP based on inputs from other organizations as well from within 3GPP.

If it is agreed that a single globally common services and system requirements specification be developed within 3GPP, then SBC Communications proposed that a 3GPP Work Item Description (WID) should be agreed upon to initiate work on a requirements specification. A draft WID to accomplish this was provided for consideration in TD SP-040497.

TD SP-040498 Impact to the 3GPP IMS stemming from fixed broadband access to IMS (NGN) - discussion on standardization process. This was introduced by Siemens and proposed that:

- Work needed in 3GPP to cater to enable IMS over fixed-broadband access is covered by TD NP-040372 and TD SP-040531. The WID in TD SP-040497 was not required.
- The understanding of 3GPP on collaboration with respect to FB-IMS is liaised to ETSI TISPAN (and other NGN standardization activities if they liaise to 3GPP).

There was no proposal to extend the scope of 3GPP. Therefore Siemens believed there is no need to raise the issue at PCG level as part of TSG SA Report.

Discussion:

Alcatel reported their support for the principles of TD SP-040498. 3 reported that the supported the concept of NGN IMS but thought this contribution did not fully address the Scope of 3GPP work, in particular with the WLAN interworking as discussed in TD SP-040495. TIM reported their support for the NTT DoCoMo proposals given in TD SP-040495.

The TSG SA Chairman stated that the requirements for the 3GPP work should be under the SA WG1 responsibility and should look at requirements coming from different sources and deciding which ones are related to NGN only and which have other impacts on the 3GPP work and should try to ensure that different methods to fulfil the same functionality do not occur.

The TSG CN Chairman commented that other groups such as NGN could have ideas which are useful for 3GPP and the role of SA WG1 should include looking at requirements in other bodies and determining their relevance and impacts on the 3GPP system.

It was agreed that an off-line discussion should be held to clarify the positions of companies and try to come to a common view. After discussions this lead to the revision of the proposed WI in TD SP-040531 (see agenda item 7.2.3).

TD SP-040497 (draft) IMS NGN Requirements WID. This was provided by SBC Communications and was intended as a proposed WID should the conclusions of TD SP-040496 be adopted by TSG SA.. After off-line discussions with TD SP-040496 and TD SP-040498, TD SP-040497 was withdrawn.

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-040484 Liaison Statement (from OMA BAC) on Mobile Broadcast Services to 3GPP and 3GPP2. This was introduced by the OMA Chairman and was provided in order to make contact between Open Mobile Alliance (OMA) and both Partnership Projects (3GPP and 3GPP2) in the context of mobile broadcast services. OMA informed 3GPP that a new work item had recently started in OMA on Mobile Broadcast (BAC-BCAST). OMA asked 3GPP to provide the following information:

- Scope of the work on mobile multicast/broadcast enablers and services being undertaken.
- Status and schedule of the work on mobile multicast/broadcast.
- Both high-level as well as detailed requirements related to work areas in mobile multicast/broadcast.

It was reported that SA WG1 had replied to this LS communication the status of the SA WG1 work, provided to TSG SA in TD SP-040488 for information. The SA WG1 response was noted and considered an adequate response for OMA. SA WG4 had also responded with details of their MBMS User Service.

TD SP-040485 Liaison Statement (from OMA TP): Progression for XCAP IDs. This was introduced by the OMA Chairman and was copied to TSG SA for information. The LS was noted and CN WGs were asked to consider this LS if considered necessary.

TD SP-040486 Liaison Statement (from OMA PAG): OMA PAG dependencies on SIP based SIMPLE I-Ds. This was introduced by the OMA Chairman. The OMA PAG group requested that this information be taken into account by the IETF SIMPLE WG during the development of these I-Ds. If there are explicit actions OMA can take to assist with the progression of these specifications, please forward that information. It was

considered that there was potential overlap with the 3GPP work and a liaison statement was produced to inform the OMA about this concern. Liaisons had already been sent to WGs about this issue and it was decided to leave this to the WGs to respond. The LS was then noted.

TD SP-040487 Liaison Statement (from OMA PAG): OMA PAG dependencies on GEOPRIV I-Ds. This was provided to TSG SA for information and was noted.

TD SP-040492 Questionnaire on the services and market for the future development of IMT-2000 and systems beyond IMT-2000. This was introduced briefly by the TSG SA Chairman and requested that a questionnaire be completed and returned to the ITU-T. The Questionnaire was noted and Members were asked to consider this and take in into appropriate forums for response.

TD SP-040538 LS from ITU-T SSG: Technical Report on mobility management. This was introduced by the TSG CN Chairman and it was agreed to provide a response LS. This was provided in TD SP-040677 which was approved.

TD SP-040667 Proposed Response to SSG on Review of Q.TRMMR. This was included in the preparation of the response LS in TD SP-040677.

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-040502: Status report of SA WG1 to SA #25. The report on activities of SA WG1 was provided by the SA WG1 Chairman, using the slides provided in TD SP-040678.

Questions and comments:

Slide 28: Multi-System UE: It was clarified that this WI was for a feasibility study which had been agreed at TSG SA #24.

Slide 20: MBMS Key management: It was clarified that the principle is that if there exist UICC Keys for MBMS, then you should use the UICC keys and only use other storage areas if the keys are not available on the UICC. Therefore storage of Keys in the ME is not forbidden and if the Keys exist in both ME and UICC then the priority will be to use the UICC Keys. The SA WG3 Chairman clarified that the SA WG3 intention was that both UICC and ME key storage shall be supported so that UICCs which do not support MBMS can also be supported.

Slide 20: GERAN Generic Access Feasibility Study: It was questioned what the purpose of this FS was. The GERAN Chairman clarified that this is a GERAN FS and SA WG1 are responsible for the service aspects of the GERAN.

Slide 8: It was clarified that the WI on ??? the same WI can be updated and re-used. It is also possible to reduce the scope of the Rel-7 WI to include work already completed and close the WI and produce a new Rel-7 WI to add the remaining material.

Slide 23: USAT data presentation enhancements: It was clarified that the CR had been agreed as Rel-7 rather than Rel-6 as it was considered too late to introduce this new functionality into Rel-6. It may be a candidate for Early Implementation. This was dealt with under agenda item 7.1.3, CR in TD SP-040510 and the WID in TD SP-040509 (note that the WID was withdrawn as a Rel-6 CR was approved, making the WID redundant).

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-040490 LS from SA WG1: 3GPP-TISPAN potential collaboration and related integration of requirement. This was provided for information and was noted.

TD SP-040489 LS from SA WG1: Reply to request for Guidance on E112 Accuracy. This was provided for information and was noted.

7.1.3 Approval of contributions from TSG SA WG1

TSs and TRs:

There were no TSs or TRs presented by SA WG1 at this meeting.

CRs:

TD SP-040510 CR to 22.038 on Enhancement of the USAT MMS presentation (Rel-7). This CR was provided after debate in SA WG1 as the CR had been returned to SA WG1 at TSG SA #24. SA WG1 concluded that this should be provided for Rel-7 and the corresponding WI offered as a candidate for Early Implementation.

The necessary work to implement this requirement was then considered. It was also reported that SCP had approved the changes needed to store MM on the USIM. T WG3 were therefore asked whether this functionality can be included in Rel-6 in 1 meeting and if so, this functionality can be included in Rel-6 also. It was indicated that this would be possible and a CR to the Rel-6 specification, along with a revision to CR 023 of TD SP-040510 (Rel-7), was provided in TD SP-040679 which was approved. **The Rel-6 CR was approved as a Category "B" CR and the Rel-7 CR was cat "A"**.

TD SP-040503 CRs to 22.078 on Location Retrieval for MT call handling (Rel-6, Rel-7). These CRs were approved.

TD SP-040508 CRs to 42.068 & 42.069 on Addition of optional over-the-air ciphering (Rel-6). These CRs were approved.

TD SP-040512 Various CRs to 42.068 on VGCS (Rel-7). These CRs were approved.

TD SP-040511 CR to 22.228 on Requirements for the handling of SIP URIs with Presence or IM prefixes (Rel-7). This CR was approved.

TD SP-040504 Various CRs to 22.146 (Rel-6). The CR045 was discussed as it did not align with the requirements from SA WG3. An alternative CR045R1 was provided in TD SP-040696 which was approved. CR044 was approved.

TD SP-040505 Minor corrections to TS 22.246 MBMS User Services (Rel-6). This CR was approved.

TD SP-040506 Various CRs to 22.234 (Rel-6). These CRs were approved.

TD SP-040507 CR to 22.240 on GUP, UE requirements corrections (Rel-6). It was clarified that this CR aligned the Stage 1 with the Stage 2. This CR was approved.

WIDs:

TD SP-040513 Revised Multi system terminal behaviour WID. This revised WI description was approved.

TD SP-040514 Selective disabling of UE capabilities WI. This revised WI description was modified to correct the title in accordance with the request of TSG SA #24 and was approved. It was noted that updates to WIDs imply some work to update references in the Work Plan and minor modifications should be avoided in the future.

TD SP-040509 WI on the USAT MMS presentation (Rel-7, early implementation). A corresponding CR was provided in TD SP-040510 which was reviewed and it was decided to agree this change for Rel-6 and the WI description was therefore withdrawn.

TD SP-040515 Update of GUP WID. This revised WI description was approved.

TD SP-040662 New WI as umbrella for Rel-7 LCS WIs. It was agreed that the umbrella item should be produced with the WI below it. This was done by providing an umbrella WI in TD SP-040681, which was reviewed and approved and revising this WID in TD SP-040682 which was also reviewed and approved.

The SA WG1 Chairman reported that the Stage 1 specification TS 22.242 is referenced by other Stage 1 specifications and this would take time to revise the other specifications if it is withdrawn from the specification set. He suggested that the specification is kept and acts as a reference to the OMA requirements document. **It was agreed that TS 22.242 should be made into an introduction to the concept of the feature and reference to the OMA document. A CR to do this should be provided to the next TSG SA meeting for approval.**

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-040516: Status report of SA WG2 to SA #25. The report on activities of SA WG2 was provided by the SA WG2 Chairman.

Questions and comments:

Slide 28: WLAN: It was reported that GERAN were suggesting to re-use the work already done, rather than produce competing work and to try to base the work on the feasibility study when it is available. SA WG2 were awaiting the results of the feasibility study.

Slide 25: It was reported that there was an input document on this in TD SP-040670.

Slide 23: CS Voice and Video, TR 23.801. It was clarified that this TR is kept as a placeholder for study of short and long term solutions, when this has been completed the TR can be deleted.

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

7.2.2 Questions for advice from TSG SA WG2

There were no specific contributions under this agenda item.

7.2.3 Approval of contributions from TSG SA WG2

TSs and TRs:

TD SP-040535 TR 23.903, " Redial Solution for Voice-Video Switching", Version 1.0.0. This TR was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG2.

CRs:

TD SP-040517 CRs On 23.060 (GPRS/PS domain stage 2). These CRs were approved.

TD SP-040518 CRs On 23.125 (IP flow based charging). These CRs were approved.

TD SP-040519 CR On 23.141 (Presence). This CR was approved.

TD SP-040520 CR On 23.195 (Early UE). This CR was approved.

TD SP-040521 CRs On 23.207 (End to end QoS). These CRs were approved.

TD SP-040522 CR On 23.221 (Architecture Requirements). This CR was approved.

TD SP-040523 CRs On 23.228 (IMS Stage 2). These CRs were approved.

TD SP-040524 CRs On 23.234 (WLAN Interworking). These CRs were approved.

TD SP-040525 CR On 23.240 (GUP stage 2). This CR was approved.

TD SP-040526 CRs On 23.246 (MBMS stage 2). These CRs were approved.

TD SP-040527 CRs On 23.251 (Network Sharing). These CRs were approved.

TD SP-040528 CRs On 23.271 (LCS stage 2). These CRs were approved.

TD SP-040529 CRs On 23.977 (Bandwidth and Resource Savings and Speech Enhancements for Circuit-Switched (CS) networks (BARS)). These CRs were approved.

TD SP-040530 CRs On 23.981 (Interworking aspects and migration scenarios for IPv4 based IMS Implementations). These CRs were approved.

WIDs:

TD SP-040534 Revised WID on E2E QoS. This revised WI description was approved.

TD SP-040533 New WID on Evolution of Policy Control and Charging. This WI description was approved.

TD SP-040531 New WID on IMS enhancement for NGN. This was presented by the SA WG2 Chairman and contained the Work Item description as agreed by SA WG2. As a result of further discussions, an updated version was provided in TD SP-040684.

TD SP-040684 Proposed WID: System enhancements for fixed broadband access to IMS. This was introduced by Siemens on behalf of FB-IMS SA WG2 WI redrafting group. It was noted that the relationship between this work the All-IP work should be investigated and it was acknowledged that this may need to be revised if a dependency between them is found as the work progresses on these two work items. It was also noted that the All-IP work should take into account the work on this WI. The WID was modified to identify that there is a potential impact on TS 22.228 and to include a link to the CN Building Block, in TD SP-040686 which was approved.

TD SP-040532 New WID on support of SMS and MMS over IP networks. This was introduced by the SA WG2 Chairman. It was clarified that the objective of the WI is to provide a solution which can be used over any IP access on the 3GPP system, but not to specify which IP Access should be used. It was commented that the title should be modified to remove "New WID on". It was agreed that T WG2 should be included under the responsible WGs (section 10). It was also noted that no Rapporteur was indicated and supporting companies were asked to provide one for this WI. The WID was revised in TD SP-040688 which was approved.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-040612: Status report of SA WG3 to SA #25. The report on activities of SA WG3 was provided by the SA WG3 Chairman.

Questions and comments:

Slide 24: It was commented that EAP support in UICC is a release 6 specification which has been approved.

Slide 18: It was questioned when decisions about further protection mechanisms against new attack were expected. The SA WG3 Chairman responded that it was hoped to decide this before December 2004, but more time may be needed and it wasn't expected within the Release 6 time frame.

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

TD SP-040613 Draft report of SA WG3 meeting #34. This was provided for information and was noted.

TD SP-040614 Draft report for joint SA3-SA4 meeting on MBMS security. This was provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

There were no specific contributions under this agenda item.

7.3.3 Approval of contributions from TSG SA WG3

TSs and TRs:

TD SP-040624 Presentation of Specification 33.246 version 2.0.0 to TSG SA. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). It was noted that the corresponding TSG T TS can be confirmed as approved.

TD SP-040625 Presentation of TR 33.919 version 2.0.0 to TSG SA. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

CRs:

TD SP-040615 CR to 43.020: Introducing VGCS/VBS ciphering (Rel-6). This CR was approved. It was noted that the dependent TSG CN CR can therefore be confirmed as approved.

TD SP-040616 SA WG3 LI Group Rel-6 CRs which were agreed by SA WG3 by e-mail (02/09/2004). 33.108 CR055 was revised in TD SP-040685 as there was a reference missing which needed to be added to the references section. The other CRs in this document were approved.

TD SP-040685 CR to 33.108: Correction to hi3DomainId definition (Rel-6). This CR was approved.

TD SP-040617 4 CRs to 33.141: Various changes to Presence Security (Rel-6). These CRs were approved.

TD SP-040618 5 CRs to 33.203: Various changes to IMS Security (Rel-5 & Rel-6). Nortel Networks objected to CR070 on user identity and it was decided that this should be checked with SA WG1 and SA WG2 and re-submitted when the requirements have been agreed. The other CRs were approved.

TD SP-040619 8 CRs to 33.220: GAA: Various changes to Subscriber Certificates (Rel-6). These CRs were approved.

TD SP-040620 4 CRs to 33.221: GAA: Various changes to Subscriber Certificates (Rel-6). These CRs were approved.

TD SP-040621 4 CRs to 33.222: GBA: Various changes to Subscriber Certificates (Rel-6). These CRs were approved.

TD SP-040622 9 CRs to 33.234: Various changes to WLAN Interworking Security (Rel-6). These CRs were approved.

TD SP-040623 CR to 33.310: Splitting the Roaming CA into a SEG CA and an Interconnection CA (Rel-6). It was commented that this CR contained added and deleted revision-marked text and Members were reminded that this can cause confusion and the CRs should show only the changes to the current specification text. This CR was approved.

TD SP-040627 2 CRs to 33.102: Correction to mis-implementation of CR175: Rel4- definition (Rel-5 and Rel-6). These CRs were approved.

WIDs:

TD SP-040626 Work Item Description: Security for early IMS. It was commented that the resultant TR should be a 3GPP internal TR in the 33.8xx range. An objection to approving this WID at this time was provided in TD SP-040628. The WID was revised in TD SP-040691 which was approved.

TD SP-040628 Security for early IMS Work Item Description. This was introduced by TIM and highlighted that although the background idea of the WID might be considered as beneficial in the short term, it might hinder the 3GPP standardization work and it would not encourage IMS implementations supporting the full 3GPP Rel-5 solution. Moreover , it is perceived as potentially harmful as it offers an insufficient security

solution. TIM proposed to postpone the approval of the WI until the real need for it has been clarified and after analysing the concerns expressed at the TSG SA #24 meeting. Any approved WI in this area should then clearly require a stage 1 guidance from SA WG1 before requesting any stage 2 or stage 3 specification change. The SA WG1 chairman responded that this had already been extensively discussed in SA WG1 and he would not wish this discussion to start again. The SA WG3 Chairman reported that the action from TSG SA meeting #24 had been completed and discussion had occurred between the WGs. **It was agreed that the need for the work should be clarified by SA WG3. Moreover, it was agreed that the resultant TR should be a 3GPP internal TR in the 33.8xx range without any impact on current specifications. It was agreed to modify the WID accordingly** (see revised WID in TD SP-040691).

TD SP-040683 Draft proposed TR 33.abc: Security Aspects of Early IMS. This was provided for information to show the progress so far on this work in SA WG3 and was noted.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-040631: Status report of SA WG4 to SA #25. The report on activities of SA WG4 was provided by the SA WG4 Chairman.

Extracted from Slide 8:

SA#24 tasked SA WG4 (in TD SP-040481) to draft two CRs to MMS TS 26.140 (Media Formats and Codecs), one for both Codecs under consideration, i.e. Enhanced aacPlus and Extended AMR-WB; with identification of the scenarios for which each Codec is recommended. These are brought to TSG SA for discussion and decision along with two sets of finalised Codec TSs, one for each Codec. It is up to TSG SA to decide whether to approve both, only one or none of the CRs.

In addition, a third “joint CR” having same technical content as the two CRs combined - with just improvements in language and tables to combine two separate CR texts/tables into more fluent specification language - is also brought to TSG SA for consideration. A similar set of audio Codec CRs is brought to SA consideration also for PSS.

A similar set of audio codec CRs is brought to TSG SA consideration also for PSS.

No explicit request given in the guidance. However, since SA#24 asked SA WG4 to carry out similar identification of the scenarios also for the case of PSS, and since the audio Codec selections are related (with the same candidate Codecs), SA WG4 is bringing also a similar set for PSS so that they can be jointly discussed and decided by SA#25.

Two sets of Codec TS are presented for discussion and decision (also, for inclusion of the Codecs into 3GPP File Format, two CRs to TS 26.244 have been prepared). The TSs include the floating-point C-codes. Finalising the fixed-point C-code(s) and Codec conformance issues for both floating- and fixed-point Codec versions (e.g. preparation of test sequences) and related TSs is ongoing and can be expected to be completed by SA#26.

Video Codecs for PSS, MMS, PC conversational and CS multimedia: “3” highlighted that the Usage Base Licensing imposed by MPEG-LA, is not in line with the ETSI IPR Rules and Procedures and requested the SA WG4 Chairman to bring their concern to the attention of TSG SA Plenary. This concern was explained on Slide 13.

Due to two sustained objections, no CRs on adoption of H.264 (AVC) could be agreed at SA WG4 meeting #32.

Questions and comments:

Slide H.264 adoption: It was asked if there were any other candidates for consideration as there were sustained objections. The SA WG4 Chairman responded that at the moment there were no other candidates for consideration.

Slide 15: It was clarified that the W3C were expected to adopt the SA WG4 request, but the response is needed.

Slide 21: It was explained that a number of codes have been considered in SA WG4 from contributions from Members brought into SA WG4. It was also clarified that the Codec selection will be made from those already evaluated and no new Codecs will be considered, in conformance with the guidance from TSG SA #24.

Slide 10: It was clarified that the Fixed-Point Encoder conformance testing work has some open issues on the specification work and there is some uncertainty on when the work will be completed.

Slide 29: It was noted that the intention is, for POC, to choose an existing Codec already used by 3GPP and a new Codec would only be chosen if there are no suitable Codecs available.

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

7.4.2 Questions for advice from TSG SA WG4

TD SP-040494 LS reply about speech Codec for PoC. This was introduced by the SA WG4 Chairman and informed the OMA POC WG that SA WG4 presently has no mandate to modify or create specifications with respect to PoC. It is not clear, if the introduction of PoC would require changes to existing SA WG4 specifications (26.235 and 26.236) or even new SA WG4 specifications. This was copied to TSG SA for information and was noted.

It was noted that SA WG4 are responsible to choose the Codec to use for POC. This work can be done under the existing SA WG2 WID on PoC. It was also noted that it is intended to re-use an existing Codec already used by 3GPP.

7.4.3 Approval of contributions from TSG SA WG4

TSs and TRs:

TD SP-040632 3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs" Version 1.0.0 (Release 6). This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG4.

TD SP-040633 3GPP TS 26.401 "Enhanced aacPlus General Audio Codec; General description" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040634 3GPP TS 26.402 "Enhanced aacPlus General Audio Codec; Additional Decoder Tools" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040635 3GPP TS 26.403 "Enhanced aacPlus General Audio Codec; Encoder specification; Advanced Audio Coding (AAC) part" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040636 3GPP TS 26.404 "Enhanced aacPlus General Audio Codec; Encoder specification; Spectral Band Replication (SBR) part" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040637 3GPP TS 26.405 "Enhanced aacPlus General Audio Codec; Encoder Specification; Parametric Stereo part" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040638 3GPP TS 26.410 "Enhanced aacPlus General Audio Codec; Floating-point ANSI-C code" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040639 3GPP TS 26.290 "Extended Adaptive Multi-Rate - Wideband Codec; Transcoding functions" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040640 3GPP TS 26.304 "Extended Adaptive Multi-Rate - Wideband Codec; Floating-point ANSI-C code" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

CRs:

Audio Codecs: The TSG SA Chairman asked if there was any objection to adopting both Codecs. There was no objection to this (TD SP-040641 CR006R2, and TD SP-040642 CR074R1).

TD SP-040641 CRs TS 26.140 on Introduction of Extended AMR-WB and / or Enhanced aacPlus into MMS service (Release 6). CR006R2 was approved. All other CRs were withdrawn.

TD SP-040642 CRs TS 26.234 on Introduction of Enhanced aacPlus and / or Extended AMR-WB into PSS service (Release 6). CR074R1 was approved. All other CRs were withdrawn.

TD SP-040643 CRs TS 26.244 on Storage of AMR-WB+ and / or Enhanced aacPlus audio in 3GP files (Release 6). These CRs were approved.

TD SP-040650 CR TS 26.140 on Update of MMS Codecs and formats with Release 6 functionality (Release 6). This CR was approved.

TD SP-040651 CR TS 26.233 on Addition of Release 6 functionality (Release 6). This CR was approved.

TD SP-040652 CR TS 26.234 on Additional Release-6 updates to PSS Protocols and Codecs (Release 6). This CR was approved.

TD SP-040654 CR TS 26.244 on Additional Release 6 update to 3GP file format (Release 6). This CR was approved.

TD SP-040653 CRs TS 26.235 on Support for 128 kbps video in the PS conversational services & editorial corrections (Release 6). These CRs were approved.

TD SP-040648 CR TS 26.111 on 3G-324M Improvements: addition of optional AMR-WB support (Release 6). This CR was approved.

TD SP-040644 CRs TS 26.101 on Generic Frame Structure for GSM-EFR SID and Error Corrections (Release 6). These CRs were approved.

TD SP-040645 CR TS 26.102 on Mapping of GSM_EFR SID on Nb Interface (Release 6). This CR was approved.

TD SP-040646 CRs TS 26.103 on Harmonisation of AMR Configurations & several Corrections (Releases 5 and 6). The source company of CR024R2 had acknowledged that the CR was obsolete and CR024R2 was therefore rejected. The remaining CRs were approved.

TD SP-040647 CR TS 28.062 on Harmonisation of AMR Configurations (Release 6). This CR was approved.

TD SP-040649 CRs TS 26.131 & TS 26.132 on Change of sending distortion requirement & test case (Release 6). These CRs were approved.

Company Contributions:

TD SP-040661 Support for the adoption of Advanced Video Coding (AVC/H.264) into Release 6. This was provided by Apple Computer, Ericsson, France Telecom, Fraunhofer, Nokia, Orange, Panasonic, Philips, RealNetworks, Sharp, Toshiba and Vodafone. The contributing companies did not agree that the complexity of the Codecs should be used as a new criteria for Codecs. Also they believed "should" was the correct choice between the two words "may" and "should", that indicate that something is not mandatory. "3" were prepared to agree to this CR on the condition that their Usage Base Licensing concerns are raised with the PCG. It was noted that for optional Codecs, the Market conditions will determine whether any particular Codec is deployed. Siemens reminded the meeting of the fact that the encoder specification is missing for this video Codec (as for H.263, which will mean the QoS cannot be guaranteed) in contrast to the audio Codec specification where both encoder and decoder are specified. **The AVC/H.264 Codec was therefore**

agreed to be adopted as an optional Codec in Rel-6 and market conditions will dictate it's eventual deployment.

SA WG4 were asked to consider corresponding encoders for the next TSG SA meeting.

TD SP-040655 Proposed CR008R1 to 26.140: Update of MMS Codecs and formats with H.264. This CR was approved.

TD SP-040656 Proposed CR075R1 to 26.234: Introduction of the H.264 (AVC) video Codec into the PSS service. This CR was approved.

TD SP-040657 Proposed CR004R1 to 26.244: Storage of H.264 (AVC) video in 3GP files. This CR was approved.

TD SP-040658 Proposed CR008R1 to 26.235: Introduction of the H.264 video Codec into packet-switched conversational services. This CR was approved.

TD SP-040659 Proposed CR010R3 to 26.111: 3G-324M Improvements. This CR was approved.

TD SP-040660 Proposed CR014R3 to 26.911: 3G-324M Improvements. This CR was approved.

WIDs:

There were no WIDs provided by SA WG4 at this time.

7.5 TSG-SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-040541 Status report of SA WG5 to SA #25. The report on activities of SA WG5 was provided by the SA WG5 Chairman.

Questions and comments:

Slide 16: It was clarified that CRs are provided to this meeting to complete the RET Requirements.

Slide 13: WLAN Charging: It was reported that the Charging work can go ahead as the SA WG2 work is stable. It was clarified that this includes both Scenarios 2 and 3.

Slide 14: Equipment Trace Management work. The TSG CN Chairman reported that they were awaiting stability of the SA WG5 stage 2 work in order to progress their work.

Slide 10: It was commented that the Work Items are fairly general and it was requested that more explicit information is provided in the WIDs. It was noted that TSG SA should require the necessary level of detail in work items when they are submitted for approval. **SA WG5 were asked to bring their Work Tasks also to TSG SA for approval in the future**.

Slide 13: It was clarified that both Scenarios 2 and 3 are at approximately equal levels of completion and are intended to be included in Rel-6, even though there is a risk that they may not be ready by December 2004.

Slide 13: It was clarified that the decision on the placement of POC Charging (SA WG5 or OMA) was expected to be made during the joint session with OMA and 3GPP2.

The SA WG5 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

TSs and TRs:

TD SP-040543 Rel-6 TS 32.422-200 Subscriber and equipment trace; Trace control and Configuration Management (CM). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040544 Rel-6 TS 32.423-100 Subscriber and equipment trace; Trace data definition and management. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040545 Rel-6 TS 52.008-100 GSM subscriber and equipment trace. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040546 Rel-6 TS 32.172-200 Subscription Management (SuM) resources IRP; Network Resources Model (NRM). Ericsson reported that some outstanding issues had been identified and proposed that more time is given to stabilise the TS before approval at the next TSG SA meeting. The SA WG5 Chairman reported that this had been discussed in SA WG5 and the Members of the group considered it stable enough to be put under change control and make final changes via CRs. Ericsson reported that CRs would be needed to correct the changes that they consider to be necessary. Lucent Technologies agreed with the view of Ericsson. No other groups were identified as dependent on this TS and so no real reason to make the changes easily visible via the use of Change Control. It was also noted that the WGs could use the principles of change control internally to their work (e.g. use of revision marks to clearly identify proposed changes to drafts within the WG). The TS was not approved at this time and SA WG5 were asked to try to complete the outstanding issues before the next TSG SA meeting and then re-submit it for approval.

TD SP-040547 Rel-6 TR 32.803-200 "Telecommunication management; Process Guide; Use Cases in Unified Modelling Language (UML)". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040550 Rel-6 TS 32.240-200 Telecommunication management; Charging management; Charging Architecture and Principles. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040551 Rel-6 TS 32.296-181 Charging management; Online Charging System (OCS): Applications and interfaces. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040552 Rel-6 draft TS 32.251-200 (Telecommunication management; Charging management; Packet Switched (PS) domain charging. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040553 Rel-6 TS 32.295-100 Telecommunication management; Charging management; Charging Data Record (CDR) transfer. this was presented to TSG SA for the first time and was considered stable enough by SA WG5 for approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040554 Rel-6 TS 32.299-200 Telecommunication management; Charging management; Diameter charging applications. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040555 Rel-6 TS 32.270-200 Telecommunication management; Charging management; Multimedia Messaging Service (MMS) Charging. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040578 Rel-6 TS 32.432-100 Performance measurement: File format definition. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040580 Rel-6 TS 32.436-100 Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040563 Rel-6 TS 32.343-200 File Transfer (FT) Integration Reference Point (IRP): CORBA Solution Set. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040564 Rel-6 TS 32.335-100 Notification log Integration Reference Point (IRP): XML definitions. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040565 Rel-6 TS 32.371-200 Security Management Concept and Requirements. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040579 Rel-6 TS 32.435-100 Performance measurement: eXtensible Markup Language (XML) file format definition. This TS was provided for information and was noted. Members were asked to review the document and provide any comments to SA WG5.

TD SP-040596 Rel-6 TS 32.711-200 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040597 Rel-6 TS 32.712-200 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040598 Rel-6 TS 32.713-100 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040599 Rel-6 TS 32.715-100 Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040600 Rel-6 TS 32.741-200 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040601 Rel-6 TS 32.742-200 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040602 Rel-6 TS 32.743-100 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): CORBA Solution Set. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040603 Rel-6 TR 32.804-200 Remote control of Electrical Tilting (RET) antennas; Requirements. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). The TSG RAN Chairman asked that this TR be sent to RAN WG3 for consideration as it contains some information which may not be aligned with RAN WG3 specification work. **RAN WG3 were asked to review this TR and report any issues to SA WG5.**

CRs:

TD SP-040542 Rel-6 CR 32.421 Removal of GERAN from Rel-6 32.42x series of Trace specifications. This CR was approved.

TD SP-040548 2 Rel-5 CR 32.205/215 Include UTRAN positioning data parameter – Align with 29.002 CR 710. These CRs were approved.

TD SP-040549 Rel-6 CR 32.205 Add missing charging principles for CAMEL CPH – Align with CN2's 23.078. This CR was approved.

TD SP-040556 2 Rel-6 CR 32.412 Performance Management IRP Information Service. These CRs were approved.

TD SP-040557 2 Rel-6 CR 32.412/3 Threshold alarm trigger - Align with TS 32.411. These CRs were approved.

TD SP-040558 2 Rel-6 CR 32.412/3 Add Measurement Job Overload Management function. These CRs were approved.

TD SP-040572 4 R99 CR 32.104, Rel-4/5/6 CR 32.401 Correction of measObjInstId & measType length limitations. CR014 was for Release 1999 and CR016 was for rel-4 and the consequences of not agreeing these CRs was questioned. These CRs were approved and **SA WG5 were asked to ensure that the consequences in not approved are correctly completed for changes to any frozen specifications**.

TD SP-040573 2 Rel-6 CR 32.401 Performance Management (PM); Concept and requirements. These CRs were approved.

TD SP-040574 6 Rel-6 CR 32.403 Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM. These CRs were approved.

TD SP-040575 3 Rel-4/5/6 CR 32.403 Correction of "Mobility Management" GPRS attach measurement definitions. These changes to Rel-4 and Rel-5 were questioned. The changes were considered justified and these CRs were approved.

TD SP-040576 2 Rel-5/6 CR 32.403 Correction of measurement about "Failed PDP context activation procedures initiated by Network". The indication of the Access technology was questioned, as this cannot be distinguished. The proposal was not considered correct and **SA WG5 were asked to take this CR back and re-consider whether this would work in practice.**

TD SP-040577 3 Rel-4/5/6 CR 32.403 Measurement Name Length Constraints. This was not considered essential for Rel-4 and so CR051 was rejected and the other CRs were approved. **It was noted that due to this CR052 is a Cat "F: CR.**

TD SP-040559 Rel-6 CR 32.150 Add Style Guide for CORBA SS IDL. This CR was approved.

TD SP-040560 Rel-6 CR 32.111-2 (Alarm IRP IS) Add more definition of MonitoredEntity IOC to clarify the scope of it and rule for alarm mapping. This CR was approved.

TD SP-040561 2 Rel-5/6 CR 32.111-4 Align with the IS 32.111-2 the possibility to apply filters to notification parameters. These CRs were approved.

TD SP-040562 Rel-6 CR 32.303 Update 32.303 using IDL Style Guide. This CR was approved.

TD SP-040566 2 Rel-5/6 CR 32.603 Removal of unused/duplicate definition of types MOReference and MOReferenceSet. These CRs were approved.

TD SP-040567 7 Rel-5/6 CR 32.603/23/33/53/63 Removal/corrections of Rules for NRM extensions - Align with 32.622 (Generic NRM IS). These CRs were approved.

TD SP-040568 4 Rel-5/6 CR 32.663 Configuration Management (CM); Kernel CM IRP CORBA SS. These CRs were approved.

TD SP-040569 2 Rel-6 CR 32.673/663 for state change events. These CRs were approved.

TD SP-040570 Rel-6 CR 32.664 Add State Management support to Kernel CM IRP CMIP SS. This CR was approved.

TD SP-040571 Rel-6 CR 32.611 Bulk CM IRP Enhancements for Security. This CR was approved.

TD SP-040581 3 Rel-6 CR 32.623/33/53 Add Inheritance in CORBA IDL. These CRs were approved.

TD SP-040582 5 Rel-5 CR 32.622/32/33/34/35 Correction of modelling of Media GateWay (MGW). These CRs were approved.

TD SP-040583 Rel-5 CR 32.635 Add missing elements in the Core Network XML file format definition. This CR was approved.

TD SP-040584 2 Rel-6 CR 32.642/52 Add support for the state change notification in UTRAN/GERAN network resources IRP NRM. These CRs were approved.

TD SP-040585 3 Rel-4/5/6 CR 32.642 Align with the IRP IS template in 32.102/32.151 and IRP IS UML repertoire (32.152).The consequences if not approved did not provide a convincing reason to approve the changes for Rel-4 and SA WG5 were asked to ensure that essential changes to frozen specifications only are made and are clearly justified and the consequences if not approved show the impact on the system. CR024 was returned to SA WG5 for reconsideration and CR025 was approved as Category "F" and CR026 was approved.

TD SP-040586 2 Rel-5/6 CR 32.643 Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM. These CRs were approved.

TD SP-040587 3 Rel-6 CR 32.642/43/45 Add support for Remote control of Electrical Tilting (RET) antenna. These CRs were approved.

TD SP-040588 2 Rel-5/6 CR 32.673 Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service. These CRs were approved.

TD SP-040589 2 Rel-5/6 CR 32.643 Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM. These CRs were approved.

TD SP-040590 Rel-6 CR 32.643 Correct the definitions in the "CellModeEnumType" and "TimeSlotStatusType". This CR was approved.

TD SP-040591 2 Rel-5 CR 32.634/44 Configuration Management (CM); Core/UTRAN network resources IRP CMIP Solution Sets. These CRs were approved.

TD SP-040592 2 Rel-5/6 CR 32645 Corrections of the XML code. These CRs were approved.

TD SP-040593 2 Rel-5/6 CR 32.653/4 Add the operationalState to the BtsSiteMgr – Align the CORBA/CMIP SSs with 32.652 CM; GERAN network resourcesIRP NRM. These CRs were approved.

TD SP-040594 Rel-6 CR 32.655 Correction of XML code. This CR was approved.

TD SP-040595 3 Rel-6 CR 32.642/43/45 Include ATM in Configuration Management (CM); UTRAN network resources IRP. These CRs were approved.

WIDs:

There were no WIDs provided by SA WG5 at this time.

7.6 Review of TSG SA work programme

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

7.7 Letters to other groups

The following Liaison was agreed for transmission to other groups:

TSG SA Document	Title	To	CC
SP-040677	LS Response to SSG on Review of Q.TRMMR	**ITU-T SSG**	**TSG CN**

7.8 Other issues

TD SP-040671 Network Selection when roaming and GPRS. This was introduced by O2 and discusses the problems with operating when faulty networks are encountered as manual mode is not easy for the average user to set up. O2 believe that there is merit in further discussions in SA WG1, to understand whether it makes sense in error cases for a mobile to select a non-preferred roaming partner in order to obtain working GPRS service, and what kind of approach would be needed (e.g. Perform network reselection and camp on 2nd priority network). Following the SA WG1 discussion there may need to be further analysis of the ramifications at the signalling layer in CN. The impact on the PLMN background scan and preferred network prioritisation mechanisms was questioned, as this had been the subject for long and difficult discussions in CN WGs. O2 responded that more study should be done in appropriate WGs. CN WG1 were identified as the most appropriate WG as they have the knowledge of the PLMN selection mechanisms. The SA WG1 Chairman commented that SA WG1 should provide the requirements to guide CN WG1. The TSG SA Chairman commented that this issue has impacts on many groups, including also RAN WG2 and GERAN WG1. The main decision that needs to be made is whether the PLMN list can be trusted or not and if not then the concepts for background scan would need to be reviewed. It was generally agreed that the PLMN list can be assumed to be correct and that study is needed on whether a non-preferred list mechanism is useful or whether the existing manual mode mechanisms are adequate in different operating scenarios. **CN WG1 were asked to study this with involvement of RAN WG2 and GERAN WG1 and to devise some technical solution(s), assuming the current PLMN list is correct. SA WG1 should provide any input they have via liaison with CN WG1. It was emphasised that no changes to specifications should be made until all relevant groups have analysed the impacts on their specifications**.

TD SP-040689 CR to 22.078: Support of User-to-User Information (UUI) in CAMEL. This was provided by Nortel Networks and was brought to TSG SA as the principles had already been conditionally approved (or endorsed, to indicate that a technical solution exists) in TSG CN and TSG CN considered this late Rel-6 functionality a matter for TSG SA decision. It was noted that there is a Rel-7 version of TS 22.078 and a mirror CR is also needed. The Rel-6 CR was therefore revised in TD SP-040698 including a Rel-7 mirror CR which was approved. TSG SA recognised that this was an exceptional change and that the normal procedure for changes are to be sent to other impacted groups (e.g. SA WG1, SA WG2) before sending them to TSG SA for approval.

TD SP-040670 Progress of work for Access Class Barring and Overload Protection (ACBOP). This was provided by NTT DoCoMo Inc. and Vodafone and requested that TSG SA recognise the need to progress ACBOP work to enable it to be made available to network operators as soon as possible. NTT DoCoMo Inc. and Vodafone indicated their commitment to progress this work in the manner described within section 2 of this contribution, which may require re-structuring of the WID (currently in TD SP-040338) into appropriate building blocks or work tasks. The revised WIDs were expected to be ready by December 2004. This was noted by TSG SA.

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-040663 Status Report from TSG CN Chairman. The report from TSG CN activities and Status was presented by the TSG CN Chairman.

Questions and comments:

Slide 8: The timescale for Enhancement of VGCS in public Networks was questioned as in SA WG1 there are Rel-6 CRs for this. TSG CN intend to do this work in Rel-7 . It was noted that the TSG CN WI includes also SMS etc. and it may be possible to complete some aspects of the WI in the Rel-6 timeframe. It was clarified that Rel-6 contains the transport layer ciphering whereas the Rel-7 is end-to-end ciphering for use by national authorities.

Slide 9: It was commented that the February 2005 meeting is in Australia and the perceived tendency for 3GPP groups to hold meetings in the southern hemisphere causes difficulties in meeting attendance due to the long travelling times for most delegates and it was requested that these venues were avoided.

Slide 8: It was clarified that the protocol impact on IMS service provision via fixed broadband was a TSG CN WI related to the corresponding Stage 2 WI belonging to TSG SA.

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

TD SP-040664 Draft meeting report from TSG CN#25. This was provided for information and was noted.

TD SP-040665 Status report of IETF dependencies. This was introduced by the TSG CN Chairman and provided the latest status of the inter-dependent 3GPP and IETF work. The TSG CN Chairman was thanked for this report which was noted.

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

TD SP-040669 LS from TSG CN: CN WI Status and Exception Request. This was introduced by the TSG CN Chairman. TSG CN asked TSG SA to take into account the indicated status when determining the content of Rel-6. Exceptions to the Rel-6 freeze date was requested for those items marked in yellow. It was noted that some of the late work is not necessarily due to lack of interest in CN WGs, but some are due to the late completion of earlier stages of the WI before the CN WGs can complete their work. The TSG CN Chairman commented that the possibility of splitting off completed work from ongoing work in WIs could be considered by the WGs, and is not instigated by TSG CN. The SA WG5 Chairman reported that IMS Trace was not intended to be done in the Rel-6 timeframe. The status report was noted and will be considered in the Work Plan discussions.

TD SP-040493 LS on transferring the OSA stage 2 (23.127) responsibility from SA WG2 to CN WG5. This was provided for information and was noted.

TD SP-040668 LS on update of OSA stage 2, containing draft CR to SA2's TS 23.127. This was provided for information and was noted.

TD SP-040630 LS (from CN WG5) on OMA and Web Services specifications (3GPP TS 29.199-series). This was covered in the discussions of TD SP-040629.

TD SP-040611 Dependence on proprietary technology. This was introduced by J. Meredith, MCC and discusses the problems in MCC for implementation of non-specification text changes where external resources are needed to implement the changes (e.g. update of TTCN files using TTCN software tools). The contribution proposed 3 measures which could be considered:

1. *Accept that there is no control over the supply of attachments, and allow the Word files to be provided early (so that CRs on the purely textual part can start immediately), with the attachments being provided at a later date (with a concomitant increment in the last digit of the version number of the spec).*
2. *Request that the Support Team be provided with the necessary tools to support the proprietary attachments. Note that this may involve purchase or lease of those tools and may require the recruitment or secondment of a person with the necessary capabilities. ($$$$$)*
3. *Forbid WGs to produce / maintain specs with attachments which involve proprietary technology maintained by "outside" agencies.*

A related contribution from TSG CN was provided in TD SP-040666.

TD SP-040666 CN WG5's dependence on proprietary technology. This was introduced by the CN WG5 Chair and explained the implications of the dependency on proprietary technology in CN WG5, as pointed out in TD SP-040611, and proposed to agree on measure #1 and to reject measure #3 in TD SP-040611. This proposal was generally agreed as the best way to handle this problem and **it was agreed to adopt the method in measure #1.**

TD SP-040676 LS on 3GPP and OMA Web Services Specifications. The source was revised as TSG SA in TD SP-040695 which was approved.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of the work within TSG CN was given in the report from the Chairman under agenda item 8.1.1.

8.2 Report from TSG-RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-040692 TSG RAN Chairman's report to TSG SA #25. The report from TSG RAN activities and Status was presented by the TSG RAN Chairman.

Questions and comments:

Slide 7: The balance between FDD and TDD was questioned, the TSG RAN Chairman responded that this needs to be investigated with ECC PT1 as it is not clear at present. It was commented that there are major regulatory issues outstanding and the specifications are not yet ready for transmitting to ECC PT1.

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

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

TD SP-040693 List of TSG SA Specifications for Rev 5 of M.1457. It was noted that 22.223 should read 22.228. This will be corrected and this was endorsed to be included in the list to be transmitted.

TD SP-040694 Proposal for submission towards Rev 5 of M.1457. This was endorsed to be transmitted with the corrected list in TD SP-040693.

8.2.3 Information on status and changes to deliverables

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

8.3 Report from TSG-T

8.3.1 Report and questions for discussion from TSG T

TD SP-040674 Status Report from TSG T. The report from TSG T activities and Status was presented by the TSG T Chairman.

Questions and comments:

Slide 11: MMS: Delay in freezing: It was clarified that there has been a lack of input on MMS testing work and it is likely that this will not be completed for Rel-6 and the WI will be considered for deletion in TSG T.

Slide 13: Release 1999/Rel-4 UE support for USIM is not specifically forbidden it is permitted. It was clarified that this was due to a misunderstanding which was corrected to a CR to the Security Specifications approved in TSG SA.

Slide 16: It was explained that the re-organisation mentioned referred to a discussion which will take place at the next PCG meeting on re-structuring of the 3GPP Project groups.

Slide 7: It was clarified that the new WIs is a study item proposed by CCSA delegates which they wish to complete within 6 months. This should identify the parts of protocols which can re-use the same tests. Liaison of this with RAN WG2 is expected.

Slide 14: Multiple Terminal Profile per card session: It was clarified that this was a new discussion and further discussion is expected within T WG3 before seeking advice from TSG T.

Slide 14: It was clarified by the MCC Specifications manager that references should be to specific Releases, rather than Versions wherever possible, in order to keep the necessary maintenance of the references manageable.

Slide 13: T WG3 decided not to maintain Release 98 and earlier Releases. This was noted to mean that no CRs will be approved to these early Releases. It was also noted that if no Release 1998 or earlier CRs are approved in the core specifications, then no CRs are likely to be requested in the Testing specifications.

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

TD SP-040697 DRAFT Meeting Report of TSG-T meeting #25. This was provided for information and was noted.

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

TD SP-040491 LS (from T WG3) on USIM support by 2G terminals of Rel-99 and Rel-4. This was covered in other discussions and was noted.

TD SP-040536 Testing of all Release 1999 Features. This was introduced by the T WG1 Secretary (A. Sultan, MCC) and proposed an overview of the testing of Release 1999 Features. Some changes had been proposed by T WG1 and these will be included in a future proposal. Members were asked to provide information on which testing is needed for Release 1999 Features. The contribution was noted by TSG SA and Members were encouraged to review the document and provide any feedback to the T WG1 Secretary.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of the work within TSG T was given in the report from the Chairman under agenda item 8.3.1.

8.4 Report from TSG-GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-040539 TSG GERAN Report to TSG SA #25. The report from TSG GERAN activities and Status was presented by the TSG GERAN Chairman.

Questions and comments:

Slides 18-20: Generic Access: It was questioned why this was discussed in the GERAN Group and not the other Architecture groups. The TSG RAN Chairman replied that there is normally no architectural impact as the same services are being provided. For Charging, it has been shown that the current mechanisms can be left unchanged by use of the CDIs. This was further clarified in TD SP-040540 which shows no impact on the Architecture.

Slide 19: Generic Access: The RRP replacement was clarified to be the main change that is needed to fulfil the Generic Access requirements, using the A/Gb interface. It was noted that this is a feasibility study and was driven by the companies who created and supported the WI. After some discussion over the reasons for this FS being performed by GERAN and the involvement of other groups, it was decided to check the feasibility Study TR (TD SP-040540) and a new document proposing a Workshop on this subject in TD SP-040701.

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

TD SP-040540 TR 43.901-6.0.0: GSM/EDGE Radio Access Network; Feasibility Study on Generic Access to A/Gb Interface (Release 6). This was provided to TSG SA for information and was presented briefly by the TSG GERAN Chairman to outline the main aspects of the report. There was some discussion over the content of the document. It was commented that the running of two SIP protocols over each other is not easily achieved with current technology. The TSG GERAN Chairman responded that this was the same protocol that is provided for WLAN interworking Security and this information should be contributed to SA WG1 and SA WG2 for discussion. It was commented that Scenario 6 is included in this Report, and it was also commented that Scenario 6 has not been in the scope of 3GPP work for some time. Delegates were reminded that this is only a feasibility study and is not currently included in the Technical Specifications of 3GPP. It was noted that the work so far done on this was forwarded to SA WG1, SA WG2 and SA WG3 for information and review and comments can be forwarded to TSG GERAN. TSG SA also noted the concern over the large number of different issues raised by this TR. A proposal for a workshop was provided in TD SP-040501.

SA WG1, SA WG2 and SA WG3 were asked to review the Service Requirements Support for TR 43.901 and asked to provide comments to TSG GERAN and TSG SA.

TD SP-040701 Proposed Workshop - Positioning of Alternative IP Access Solutions for 3GPP Networks. This was introduced by 3 on behalf of 3, RIM and TIM and proposed a workshop to discuss the issues raised by the feasibility study on Generic Access to the A/Gb interface. The objective of the workshop would be to discuss the scope, interrelationships, co-ordination and alignment of the related WIs with a view to:

- Prevent overlap and duplication of solutions
- Ensure integrated and harmonised solutions
- Avoid product and deployment fragmentation.

It was proposed to hold the Workshop during week 25th October 2004 (maybe 2 days) in London, UK.

It was noted that Fixed Broadband IMS Access was not included in the topics, this was recognised as unintentional and should be added if the workshop is agreed. There was a comment that the proposed dates conflict with other conferences and it was requested to postpone this until early 2005. It was suggested that the WGs should be given time to study the proposals in the TR before deciding whether a Workshop is necessary. This received some support from other Members.

The work items contained in this Workshop proposal were reviewed and it was noted that most of them had been approved at this meeting.

It was agreed after some discussion to ask SA WG1, SA WG2 and SA WG3 to study this TR and the Work Items provided in the TR with regard to any overlap with existing WIs, in order to determine which issues may need further discussion in TSG SA meeting #26 and whether there is a need for a Workshop. **SA WG1, SA WG2 and SA WG3 were asked to also provide feedback to TSG GERAN.**

It was asked whether TSG GERAN were expected to approve any new specifications as a result of this TR before TSG SA has received feedback and discussed the implications of this work. The TSG SA Chairman responded that TSG GERAN were responsible for their own work program but no work was expected to be approved within this time scale.

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

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

8.4.3 Information on status and changes to deliverables

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

8.5 Letters to other groups

The following Liaison was agreed for transmission to other groups:

TSG SA Document	Title	To	CC
SP-040695	LS on 3GPP and OMA Web Services Specifications	**OMA MWS, OMA LOC, OMA PAG, OMA MCC, OMA MWG**	**OMA TP**

8.6 3GPP Work plan

TD SP-040702 Review of the Work Plan at Plenaries #25. This was introduced by the Work Program Manager (A. Sultan, MCC) and contained the status of the Work Program items according to information provided by the MCC experts.

Questions to TSG SA:

It was confirmed that IMS Local Services will be moved to Rel-7.

Slide 20: IMS Phase 2 - IMS Messaging: It was suggested that the item is not deleted immediately as there is a possibility that it will be complete in time, depending upon contributions received at SA WG2. SA WG2 were asked to check support on this and decide if it should be moved to Rel-7.

Slide 24: DRM: It was noted that this issue had been resolved at this meeting.

Slide 27: Priority Service: It was confirmed that Priority Service can be moved to Rel-7.

Slide 43: MBMS: The SA WG4 Chairman reported that no CN WG1 work is expected but it should be checked whether there is any impact. It was also indicated that CN WG1 did not have any work to do in this area. The WID therefore needs correction.

Slide 45: OAM&P: CN Trace WID: It was reported that the two items were independent and can be split between releases. The Rel-6 WID will need updating and a Rel-7 WID created within TSG CN.

Slide 49: It was noted that the rejected document was 32.172 rather than 32.171, which was approved.

Slide 56: LCS enhancements Stage 3: It was clarified that OMA are responsible for the outstanding work and no work is expected from CN WG1.

Slide 59: It was agreed that the Performance Requirements for Receiver Diversity for HSDPA progress would be reviewed at the next TSG SA and TSG RAN meetings to see if it will remain as part of Rel-6.

Slide 70: LCS enhancements 3: It was reported that there were now 2 Feature-level WIs, as agreed at this meeting (TD SP-040309 from meeting #24 and TD SP-040681 from this meeting). The FS is now complete and work has started on GAILEO. The Slide was redrafted to take this into account. Extension A-GPS to include GALILEO: There were no requirements available and so a proposed CR was not agreed yet in TSG GERAN.

Questions and Comments:

Slide 55: It was reported that there was no 3GPP dependency on OMA for Presence.

Slide 20: It was reported that there was no 3GPP dependency on IETF for MMS Messaging.

Slide 32: TS 55.226: It was clarified that SA WG3 had decided that the GEA4 was to be provided for Rel-7 as it was not needed for the Rel-6 timescale.

Slide 65: The referenced TSG GERAN document was GP-042221.

Slide 64: Local Services information in Slide 18 should appear in this slide.

Slide 67: The title should now be "System Enhancements for fixed Broadband Access to IMS".

Slide 63: POC: It was commented that there may not be a need for any Stage 3 work and this may be completed by December 1004. The SA WG4 Chairman reported that the Codec part is expected also to be completed by December and this may be included in Rel-6.

Slides 38 and 42: It was noted that TSG RAN has indicated that these two items are intended to be part of Rel-6 as it is essential for MBMS implementation. **It was thought to be useful to link the GERAN and RAN Work on MBMS to have a consistent decision made for both Systems.** A decision on this will be taken in December 2004.

Slide 60: RAB support enhancement: It was commented that this may possibly be ready for December 2004 and is still targeted for Rel-6.

Slide 33: GAA: It was asked whether the GBB work still has many issues. The SA WG3 Chairman reported that SA WG3 were aiming to solve the open issues by December 2004 and submit the TS for approval for Rel-6.

Slide 65: CS Video and Voice: GERAN WG2 should be removed from the impacted list as the timing issue with location update when changing radio technology will not allow this function to be included in the GERAN

system without some optimisation which needs further study. This will be left open until SA WG2 have reviewed the comments from GERAN WG2.

Slide 52: This information should be included in the LCS slides.

Slide 69: ACBOP It was reported that TD SP-040670 requested TSG SA to recognise the need to progress this work to enable it to be made available to network operators as soon as possible and acknowledge the commitment of the two source companies to progress this work in the manner described within section 2 of the contribution. This commitment was noted by TSG SA.

It was agreed that the PCG will be informed by the TSG SA Chairman that it is intended to freeze Rel-6 in December 2004 and that some items are still to be reviewed in December 2004 to determine if they can be included in the Rel-6 Feature set.

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

TD SP-040607 Specs status list prior to TSGs#25. This was introduced by the Specifications Manager (J. Meredith, MCC) and provided the status of the specifications before the TSG meetings #25. This was provided for information and was noted.

TD SP-040604 Proposed CRs to lists of specs. This was introduced by the Specifications Manager and contained the changes to the specifications lists as a result of agreements at TSG meetings #25. These CRs were approved.

TD SP-040606 Specs lists per Release; a comparison. This was introduced by the Specifications Manager and was a snapshot of the Web page giving a comparison of the specifications in each Release. It includes an indication where the specification manager suggested upgrade to Rel-6 from an earlier Release. **WGs were asked to consider the list for upgrade to Rel-6 and provide comments to MCC for the next TSG meeting**.

TD SP-040608 Status list after TSG meetings #25. This will be provided by the Specifications Manager after including the decisions made at this meeting. Members were asked to check the document when available and provide any comments to the Specifications Manager.

TD SP-040699 3GPP Work Plan. The project plan was provided for information and was noted.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item. The review of the status of work for inclusion in Rel-6 was done under agenda item 8.6.

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

There were no specific contributions under this agenda item. Items which are not included in Rel-6 (see agenda item 8.6) are considered for beyond Rel-6.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

TD SP-040499 21.900 CR21 R2 "Introduction of 'Early Implementation' Process". This was provided by Nortel Networks and proposed changes to the table in section 6.5 related to two stopped WIs. This had been sent to the TSG SA e-mail list for some time. It was noted that there were some problems with the PDF version due to mis-translation of certain characters (e.g. smart quotes). **It was noted that the Word version of CRs are used for implementation and smart quotes, etc. are not normally used in 3GPP documents**. It was also requested to capitalise the words "technical It was questioned whether backward compatibility issues had been considered in order to ensure interworking of items which are part of the Early implementation process. Nortel Networks responded that this would be an issue to consider for each candidate during the elaboration of the Early Implementation documents. Most comments were on section 6.5 of the CR, so it was proposed to split this into a CR for section 6.5 and another for the other proposed

changes. Nortel Networks proposed that the suggested changes to the Status (remove "TSG approved" from the second and third rows) and to approve this CR as further changes can be made afterwards to improve the table. There was a request to remove the first row "Not TSG approved" because non-approved WIs should not appear in the 3GPP Work Plan. It was agreed to split this CR into two CRs which were provided in TD SP-040705 and TD SP-040706.

TD SP-040705 21.900 CR021R3: Introduction of “Early Implementation” process. This CR was approved.

TD SP-040706 21.900 CR024: Improved tracking of work item status. This CR was approved.

TD SP-040605 Proposed CR to 21.900. This was provided by the Specifications Manager (J. Meredith, MCC) and contained two CRs:

- CR22R1: From draft to change control in one easy move. It was noted that Table 3 of section 4.0A will also need to be updated as it is in contradiction to the clarification this CR tries to correct. Due to objection to the proposed changes, this CR was rejected.
- CR23R1: WI code to be shown on CR sets changing similar functionality in several Releases. It was suggested that modification is changed to corrections in 4.6.1 as no functionality changes are allowed to Release 1999. It was commented that the final paragraph changed in the CR did not reflect the agreements made in TSG CN. **The WI code used shall be the one belonging to the Release in which the Change is being made ("the Release which is affected"), extra information from previous Releases can be added as a secondary WI code**. It was also commented that the identification of Work Item Codes from previous Releases for a change may be a lot of effort for the CR authors. The Specifications Manager responded that these codes were useful for statistic gathering to respond to questions from journalists, etc. received by MCC. It was commented that the main reason for the CRs is to aid implementers, and statistic-gathering is a secondary concern. The TSG CN Chairman reported that this was also the position of TSG CN and such additional information should be optional in order not to spend unnecessary time trying to identify Work Item Codes. The TSG CN Chairman commented that apart for helping statistics-gathering, this CR does not identify any problems with the current use of WI Codes. It was also commented that delegates have enough trouble identifying WI codes with the current CR sheet and this additional burden will lead to more effort and possibly more errors on the CR cover sheets. With these objections, the CR was rejected.

TD SP-040609 New Work Item Description (WID) form. This was provided by the Specifications Manager (J. Meredith, MCC). The original Work Item description form was also provided in TD SP-040704 and it was decided to take some acceptable parts of this WID form responsibilities, and update the original form (Primary and secondary and other editorial changes). This proposal was then withdrawn.

TD SP-040704 New Work Item Description (WID) form. This was provided by the Specifications Manager (J. Meredith, MCC) and included the current Work Item Description form and a blank text document which was proposed by the Specifications Manager as the easiest method to get the form generally agreed. It was agreed to update the original WID form with parts agreed in TD SP-040609 which was provided in TD SP-040707 and approved.

TD SP-040690 3GPP Officials Survival Guide. This was introduced by the Specifications Manager. Some information currently available on the 3GP Web Site was requested to be included. This will be done by the Specifications Manager before putting this on the 3GPP Web Site. The document was then noted.

10 Project support

TD SP-040610 MCC status report. This was introduced by the Specifications Manager and provided information on the activities and changes to the MCC support team. It was commented that the concept of deadlines for implementation of CRs by MCC has been found very useful and the statistics provide a way of identifying potential problems. It was also commented that the statistics may cause pressure to produce specifications in a non-optimal prioritised order, where the large important specifications may not be updated first as the statistics will show few completed specifications by the deadlines. It was reported that this was already handled internally in MCC and the prioritisation of the implementation is driven by the needs of the WGs and not the difficulty of updating the specification. The Specifications manager was thanked for his report which was then noted.

11 Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12 Work plan and future meetings

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
3GPPRAN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPT#26	EF3	8-10 December, 2004	Athens	Greece
3GPPCN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPSA#26	EF3	13-16 December, 2004	Athens	Greece
3GPPRAN#27		9-11 March 2005	Tokyo	Japan
3GPPT#27		9-11 March 2005	Tokyo	Japan
3GPPCN#27		9-11 March 2005	Tokyo	Japan
3GPPSA#27		14-17 March 2005	Tokyo	Japan
3GPPGERAN#24	EF3	4 - 8 April 2005	Dublin	Ireland
3GPPRAN#28	NAF	1 - 3 June 2005	Quebec	Canada
3GPPT#28	NAF	1 - 3 June 2005	Quebec	Canada
3GPPCN#28	NAF	1 - 3 June 2005	Quebec	Canada
3GPPSA#28	NAF	6 - 9 June 2005	Quebec	Canada
3GPPGERAN#25		20 - 24 June 2005	USA	USA

13 Any other business

There was no other business raised.

14 Close of meeting

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

Annex A: Co-ordinates of TSG and WG Officials

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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	Juergen Caldenhoven	3GPP Support Team	juergen.caldenhoven@etsi.org	+33 4 92 94 43 52		+33 6 74 40 83 78
TSG RAN WG4 Officials:						
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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	Telecom Italia Lab	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	Research In Motion Limited	iharris@rim.net	+44 77 85 360 000	+44 13 80 860 691	+44 77 85 360 000
Vice Chairman	Paul Voskar	Nokia	paul.voskar@nokia.com	+44 1252 867427	+44 1252 865693	+44 7771 980 062
Vice Chairman	Nicola Vote	NTT DoCoMo Inc.	nicola@cet.yrp.nttdocomo.co.jp	+81 468 40 6062		+81 90 3337 9642
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG3 Officials:						
Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Jean-Francois Rubon	Gemplus Card International	jean-francois.rubon@gemplus.com	+33 4 42 36 66 39	+33 4 42 36 41 00	+33 6 88 38 76 65
Vice Chairman	Paul Jolivet	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	

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
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TSG GERAN WG1 Officials:						
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	Diana Edwin	Siemens AG	diana.edwin@roke.co.uk	+44 1794 833307	+44 1794 833434	+44 7884 235500
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040482	Draft agenda for TSG SA meeting#25	TSG SA Chairman	2	Approval		Approved
SP-040483	Draft Report for TSG SA meeting #24	TSG SA Secretary	3	Approval		Approved
SP-040484	Liaison Statement (from OMA BAC) on Mobile Broadcast Services to 3GPP and 3GPP2	OMA BAC	6.3	Action		SA WG1 response in SP-040488 considered adequate.
SP-040485	Liaison Statement (from OMA TP): Progression for XCAP IDs	OMA TP	6.3	Information		Noted. CN WGs may consider if useful.
SP-040486	Liaison Statement (from OMA PAG): OMA PAG dependencies on SIP based SIMPLE I-Ds	OMA PAG	6.3	Information		Other WGs to deal with their LSs and respond to OMA PAG. Noted
SP-040487	Liaison Statement (from OMA PAG): OMA PAG dependencies on GEOPRIV I-Ds	OMA PAG	6.3	Information		Noted
SP-040488	LS (from SA WG1) on Mobile Broadcast Services	SA WG1	7.1.2	Information		Noted
SP-040489	LS from SA WG1: Reply to request for Guidance on E112 Accuracy	SA WG1	7.1.2	Information		Noted
SP-040490	LS from SA WG1: 3GPP-TISPAN potential collaboration and related integration of requirement	SA WG1	7.1.2	Action		Noted. Dealt with with other Liaison
SP-040491	LS (from T WG3) on USIM support by 2G terminals of Rel-99 and Rel-4	T WG3	8.3.2	Information		Noted
SP-040492	Questionnaire on the services and market for the future development of IMT-2000 and systems beyond IMT-2000	ITU-T	6.3	Discussion		Members asked to send to appropriate groups for response
SP-040493	LS on transferring the OSA stage 2 (23.127) responsibility from SA2 to CN5	CN WG5	8.1.2	Information		Noted
SP-040494	LS reply about speech codec for PoC	SA WG4	7.4.2	Information		Noted
SP-040495	Comments regarding NGN-related work in 3GPP	NTT DoCoMo	5	Discussion		SP-040496, SP-040498 considered with this.
SP-040496	IMS NGN Standards Process	SBC Communications	7.2.2	Discussion		SP-040495, SP-040498 considered with this. Revised WI discussed in SP-040531
SP-040497	(draft) IMS NGN Requirements WID	SBC Communications	7.2.2	Discussion / Decision		Proposed WID if SP-040496 agreed. Withdrawn after discussion
SP-040498	Impact to the 3GPP IMS stemming from fixed broadband access to IMS (FB-IMS) – standardization principles in 3GPP	Siemens	7.2.2	Discussion		SP-040495, SP-040496 considered with this. Revised WI discussed in SP-040531
SP-040499	21.900 CR21 R2 "Introduction of 'Early Implementation' Process"	Nortel Networks (chair of ad-hoc discussion)	9	Approval	SP-040705 SP-040706	CR split into 2 CRs in SP-040705 and SP-040706
SP-040500	WITHDRAWN: (DRAFT) LS on Development of IMS for NGN applications	Nortel Networks	4	Information		WITHDRAWN
SP-040501	SA WG1 Status Report to SA#25	SA WG1 Chairman	7.1.1	Information	SP-040678	Revised in SP-040678
SP-040502	Status report of SA1 to SA #25	SA WG1 Chairman/MCC	7.1.1	Information		Noted
SP-040503	CRs to 22.078 on Location Retrieval for MT call handling (Rel-6, Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040504	Various CRs to 22.146 (Rel-6)	SA WG1	7.1.3	Approval		CR044 approved. Alternative proposal for CR045 in SP-040680
SP-040505	Minor corrections to TS 22.246 MBMS User Services Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040506	Various CRs to 22.234 (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040507	CR to 22.240 on GUP, UE requirements corrections (Rel-6)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040508	CRs to 42.068 & 42.069 on Addition of optional over-the-air ciphering (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040509	WI on the USAT MMS presentation (Rel-7, early implementation)	SA WG1	7.1.3	Approval		Withdrawn when functionality was agreed for Rel-6
SP-040510	CR to 22.038 on Enhancement of the USAT MMS presentation (Rel-7)	SA WG1	7.1.3	Approval	SP-040679	Revised as Rel-6 CR in SP-040679
SP-040511	CR to 22.228 on Requirements for the handling of SIP URIs with Presence or IM prefixes (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040512	Various CRs to 42.068 on VGCS (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040513	Revised Multi system terminal behaviour WID	SA WG1	7.1.3	Approval		Approved
SP-040514	Selective disabling of UE capabilities WI	SA WG1	7.1.3	Approval		Approved
SP-040515	Update of GUP WID	SA WG1	7.1.3	Approval		Approved
SP-040516	TSG SA WG2 report at TSG SA #25	SA WG2	7.2.1	Information		Noted
SP-040517	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040518	CRs On 23.125 (IP flow based charging)	SA WG2	7.2.3	Approval		Approved
SP-040519	CR On 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-040520	CR On 23.195 (Early UE)	SA WG2	7.2.3	Approval		Approved
SP-040521	CRs On 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved
SP-040522	CR On 23.221 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-040523	CRs On 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040524	CRs On 23.234 (WLAN Interworking)	SA WG2	7.2.3	Approval		Approved
SP-040525	CR On 23.240 (GUP stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040526	CRs On 23.246 (MBMS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040527	CRs On 23.251 (Network Sharing)	SA WG2	7.2.3	Approval		Approved
SP-040528	CRs On 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040529	CRs On 23.977 (Bandwidth and Resource Savings and Speech Enhancements for Circuit-Switched (CS) networks (BARS))	SA WG2	7.2.3	Approval		Approved
SP-040530	CRs On 23.981 (Interworking aspects and migration scenarios for IPv4 based IMS Implementations)	SA WG2	7.2.3	Approval		Approved
SP-040531	New WID on IMS enhancement for NGN	SA WG2	7.2.3	Approval	SP-040684	Updated version produced in SP-040684
SP-040532	New WID on support of SMS and MMS over IP networks	SA WG2	7.2.3	Approval	SP-040688	Revised in SP-040688
SP-040533	New WID on Evolution of Policy Control and Charging	SA WG2	7.2.3	Approval		Approved
SP-040534	Revised WID on E2E QoS	SA WG2	7.2.3	Approval		Approved
SP-040535	TR 23.903, " Redial Solution for Voice-Video Switching", Version 1.0.0	SA WG2	7.2.3	Information		Noted. Members asked to provide comments to WG
SP-040536	Testing of all Release 99 Features	MCC / T WG1	8.3.2	Discussion		Noted. Members asked to provide any feedback to A. Sultan (MCC)
SP-040537	Review of the Work Plan at Plenaries #25	MCC (A. Sultan)	8.6	Information	SP-040702	Revised in Sp-040702
SP-040538	LS from ITU-T SSG: Technical Report on mobility management	ITU-T (SSG)	6.3	Action		Response LS in SP-040677
SP-040539	TSG GERAN Report to TSG SA #25	TSG GERAN Chairman	8.4.1	Information		Noted
SP-040540	TR 43.901-6.0.0: GSM/EDGE Radio Access Network; Feasibility Study on Generic Access to A/Gb Interface (Release 6)	TSG GERAN Chairman	8.4.1	Information		Noted. SA1, SA2 and SA3 asked to comment on Service Requirements Support
SP-040541	Report of SA WG5 activities since TSG SA #24	SA WG5 Chairman	7.5.1	Information		Noted
SP-040542	Rel-6 CR 32.421 Removal of GERAN from Rel-6 32.42x series of Trace specifications	SA WG5	7.5.3	Approval		Approved
SP-040543	Rel-6 TS 32.422-200 Subscriber and equipment trace; Trace control and Configuration Management (CM)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040544	Rel-6 TS 32.423-100 Subscriber and equipment trace; Trace data definition and management	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040545	Rel-6 TS 52.008-100 GSM subscriber and equipment trace	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040546	Rel-6 TS 32.172-200 Subscription Management (SuM) resources IRP; Network Resources Model (NRM)	SA WG5	7.5.3	Approval		Not Approved. SA5 to try to complete outstanding issues
SP-040547	Rel-6 TR 32.803-200 "Telecommunication management; Process Guide; Use Cases in Unified Modelling Language (UML)"	SA WG5	7.5.3	Approval		Approved
SP-040548	2 Rel-5 CR 32.205/215 Include UTRAN positioning data parameter – Align with 29.002 CR 710	SA WG5	7.5.3	Approval		Approved
SP-040549	Rel-6 CR 32.205 Add missing charging principles for CAMEL CPH – Align with CN2's 23.078	SA WG5	7.5.3	Approval		Approved
SP-040550	Rel-6 TS 32.240-200 Telecommunication management; Charging management; Charging Architecture and Principles	SA WG5	7.5.3	Approval		Approved
SP-040551	Rel-6 TS 32.296-181 Charging management; Online Charging System (OCS): Applications and interfaces	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040552	Rel-6 draft TS 32.251-200 (Telecommunication management; Charging management; Packet Switched (PS) domain charging	SA WG5	7.5.3	Approval		Approved
SP-040553	Rel-6 TS 32.295-100 Telecommunication management; Charging management; Charging Data Record (CDR) transfer	SA WG5	7.5.3	Approval		Approved
SP-040554	Rel-6 TS 32.299-200 Telecommunication management; Charging management; Diameter charging applications	SA WG5	7.5.3	Approval		Approved
SP-040555	Rel-6 TS 32.270-200 Telecommunication management; Charging management; Multimedia Messaging Service (MMS) Charging	SA WG5	7.5.3	Approval		Approved
SP-040556	2 Rel-6 CR 32.412 Performance Management IRP Information Service	SA WG5	7.5.3	Approval		Approved
SP-040557	2 Rel-6 CR 32.412/3 Threshold alarm trigger - Align with TS 32.411	SA WG5	7.5.3	Approval		Approved
SP-040558	2 Rel-6 CR 32.412/3 Add Measurement Job Overload Management function	SA WG5	7.5.3	Approval		Approved
SP-040559	Rel-6 CR 32.150 Add Style Guide for CORBA SS IDL	SA WG5	7.5.3	Approval		Approved
SP-040560	Rel-6 CR 32.111-2 (Alarm IRP IS) Add more definition of MonitoredEntity IOC to clarify the scope of it and rule for alarm mapping	SA WG5	7.5.3	Approval		Approved
SP-040561	2 Rel-5/6 CR 32.111-4 Align with the IS 32.111-2 the possibility to apply filters to notification parameters	SA WG5	7.5.3	Approval		Approved
SP-040562	Rel-6 CR 32.303 Update 32.303 using IDL Style Guide	SA WG5	7.5.3	Approval		Approved
SP-040563	Rel-6 TS 32.343-200 File Transfer (FT) Integration Reference Point (IRP): CORBA Solution Set	SA WG5	7.5.3	Approval		Approved
SP-040564	Rel-6 TS 32.335-100 Notification log Integration Reference Point (IRP): XML definitions	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040565	Rel-6 TS 32.371-200 Security Management Concept and Requirements	SA WG5	7.5.3	Approval		Approved
SP-040566	2 Rel-5/6 CR 32.603 Removal of unused/duplicate definition of types MOReference and MOReferenceSet	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040567	7 Rel-5/6 CR 32.603/23/33/53/63 Removal/corrections of Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	SA WG5	7.5.3	Approval		Approved
SP-040568	4 Rel-5/6 CR 32.663 Configuration Management (CM); Kernel CM IRP CORBA SS	SA WG5	7.5.3	Approval		Approved
SP-040569	2 Rel-6 CR 32.673/663 for state change events	SA WG5	7.5.3	Approval		Approved
SP-040570	Rel-6 CR 32.664 Add State Management support to Kernel CM IRP CMIP SS	SA WG5	7.5.3	Approval		Approved
SP-040571	Rel-6 CR 32.611 Bulk CM IRP Enhancements for Security	SA WG5	7.5.3	Approval		Approved
SP-040572	4 R99 CR 32.104, Rel-4/5/6 CR 32.401 Correction of measObjInstId & measType length limitations	SA WG5	7.5.3	Approval		Approved. SA5 asked to check consequences for frozen specs
SP-040573	2 Rel-6 CR 32.401 Performance Management (PM); Concept and requirements	SA WG5	7.5.3	Approval		Approved
SP-040574	6 Rel-6 CR 32.403 Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	SA WG5	7.5.3	Approval		Approved
SP-040575	3 Rel-4/5/6 CR 32.403 Correction of "Mobility Management" GPRS attach measurement definitions	SA WG5	7.5.3	Approval		Approved
SP-040576	2 Rel-5/6 CR 32.403 Correction of measurement about "Failed PDP context activation procedures initiated by Network"	SA WG5	7.5.3	Approval		Returned to SA5 to check requirements will work
SP-040577	3 Rel-4/5/6 CR 32.403 Measurement Name Length Constraints	SA WG5	7.5.3	Approval		CR051 Rejected. CR052 approved Cat F, CR053 approved
SP-040578	Rel-6 TS 32.432-100 Performance measurement: File format definition	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040579	Rel-6 TS 32.435-100 Performance measurement: eXtensible Markup Language (XML) file format definition	SA WG5	7.5.3	Information		Noted. Comments to SA WG5
SP-040580	Rel-6 TS 32.436-100 Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	SA WG5	7.5.3	Information		Approved
SP-040581	3 Rel-6 CR 32.623/33/53 Add Inheritance in CORBA IDL	SA WG5	7.5.3	Approval		Approved
SP-040582	5 Rel-5 CR 32.622/32/33/34/35 Correction of modelling of Media GateWay (MGW)	SA WG5	7.5.3	Approval		Approved
SP-040583	Rel-5 CR 32.635 Add missing elements in the Core Network XML file format definition	SA WG5	7.5.3	Approval		Approved
SP-040584	2 Rel-6 CR 32.642/52 Add support for the state change notification in UTRAN/GERAN network resources IRP NRM	SA WG5	7.5.3	Approval		Approved
SP-040585	3 Rel-4/5/6 CR 32.642 Align with the IRP IS template in 32.102/32.151 and IRP IS UML repertoire (32.152)	SA WG5	7.5.3	Approval		CR024 returned to SA5 for consideration. CR025 approved Cat F, CR026 approved
SP-040586	2 Rel-5/6 CR 32.643 Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM	SA WG5	7.5.3	Approval		Approved
SP-040587	3 Rel-6 CR 32.642/43/45 Add support for Remote control of Electrical Tilting (RET) antenna	SA WG5	7.5.3	Approval		Approved
SP-040588	2 Rel-5/6 CR 32.673 Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service	SA WG5	7.5.3	Approval		Approved
SP-040589	2 Rel-5/6 CR 32.643 Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040590	Rel-6 CR 32.643 Correct the definintions in the "CellModeEnumType" and "TimeSlotStatusType"	SA WG5	7.5.3	Approval		Approved
SP-040591	2 Rel-5 CR 32.634/44 Configuration Management (CM); Core/UTRAN network resources IRP CMIP Solution Sets	SA WG5	7.5.3	Approval		Approved
SP-040592	2 Rel-5/6 CR 32645 Corrections of the XML code	SA WG5	7.5.3	Approval		Approved
SP-040593	2 Rel-5/6 CR 32.653/4 Add the operationalState to the BtsSiteMgr – Align the CORBA/CMIP SSs with 32.652 CM; GERAN network resourcesIRP NRM	SA WG5	7.5.3	Approval		Approved
SP-040594	Rel-6 CR 32.655 Correction of XML code	SA WG5	7.5.3	Approval		Approved
SP-040595	3 Rel-6 CR 32.642/43/45 Include ATM in Configuration Management (CM); UTRAN network resources IRP	SA WG5	7.5.3	Approval		Approved
SP-040596	Rel-6 TS 32.711-200 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	SA WG5	7.5.3	Approval		Approved
SP-040597	Rel-6 TS 32.712-200 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	SA WG5	7.5.3	Approval		Approved
SP-040598	Rel-6 TS 32.713-100 Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	SA WG5	7.5.3	Approval		Approved
SP-040599	Rel-6 TS 32.715-100 Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	SA WG5	7.5.3	Approval		Approved
SP-040600	Rel-6 TS 32.741-200 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	SA WG5	7.5.3	Approval		Approved
SP-040601	Rel-6 TS 32.742-200 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	SA WG5	7.5.3	Approval		Approved
SP-040602	Rel-6 TS 32.743-100 Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): CORBA Solution Set	SA WG5	7.5.3	Approval		Approved
SP-040603	Rel-6 TR 32.804-200 Remote control of Electrical Tilting (RET) antennas; Requirements	SA WG5	7.5.3	Approval		Approved
SP-040604	Proposed CRs to lists of specs	MCC (J Meredith)	8.7	Approval		Approved
SP-040605	Proposed CR to 21.900	MCC (J Meredith)	9	Approval		CR022R1 Rejected. CR023R1 Rejected.
SP-040606	Specs lists per Release; a comparison	MCC (J Meredith)	8.7	Discussion		WGs asked to check upgrade of specs and comment to MCC
SP-040607	Specs status list prior to TSGs#25	MCC (J Meredith)	8.7	Information		Noted
SP-040608	Status list after TSGs #25	MCC (J Meredith)	8.7	Information		To be provided after the meeting for chaecking by Members
SP-040609	New Work Item Description (WID) form	MCC (J Meredith)	9	Discussion / Decision		Used to update original WID sheet in SP-040704
SP-040610	MCC status report	MCC (J Meredith)	10	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040611	Dependence on proprietary technology	MCC (J Meredith)	8.1.2	Discussion		Related contribution in SP-040666. Measure #1 adopted
SP-040612	Report of SA WG3 activities to TSG SA Plenary	SA WG3 Chairman	7.3.1	Information		Noted
SP-040613	Draft report of SA WG3 meeting #34	SA WG3 Secretary	7.3.1	Information		Noted
SP-040614	Draft report for joint SA3-SA4 meeting on MBMS security	Joint meeting Secretary (SA WG3)	7.3.1	Information		Noted
SP-040615	CR to 43.020: Introducing VGCS/VBS ciphering (Rel-6)	SA WG3	7.3.3	Approval		Approved. CN CR dependent upon the approval of this CR
SP-040616	SA WG3 LI Group Rel-6 CRs which were agreed by SA WG3 by e-mail (02/09/2004)	SA WG3	7.3.3	Approval		33108CR055 Revised in SP-040685. Other CRs approved.
SP-040617	4 CRs to 33.141: Various changes to Presence Security (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040618	5 CRs to 33.203: Various changes to IMS Security (Rel-5 & Rel-6)	SA WG3	7.3.3	Approval		CR070 returned for discussion with SA2. Other CRs approved.
SP-040619	8 CRs to 33.220: GAA: Various changes to Subscriber Certificates (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040620	4 CRs to 33.221: GAA: Various changes to Subscriber Certificates (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040621	4 CRs to 33.222: GBA: Various changes to Subscriber Certificates (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040622	9 CRs to 33.234: Various changes to WLAN Interworking Security (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040623	CR to 33.310: Splitting the Roaming CA into a SEG CA and an Interconnection CA (Rel-6)	SA WG3	7.3.3	Approval		Approved. Double revision marking to be avoided in future
SP-040624	Presentation of Specification 33.246 version 2.0.0 to TSG SA	SA WG3	7.3.3	Approval		Approved
SP-040625	Presentation of TR 33.919 version 2.0.0 to TSG SA	SA WG3	7.3.3	Approval		Approved
SP-040626	Work Item Description: Security for early IMS	SA WG3	7.3.3	Approval	SP-040691	Objection from TIM to this in SP-040628. Revised in SP-040691
SP-040627	2 CRs to 33.102: Correction to mis-implementation of CR175: Rel4-definition (Rel-5 and Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040628	Security for early IMS Work Item Description	TIM	7.3.3	Discussion / Decision		Clarification on need for this work required
SP-040629	3GPP and OMA Web Services Specifications	Aepona, Alcatel, BT, Ericsson, IBM, Incomit, KPN, Lucent Technologies, Orange, SBC, Siemens, Telcordia, Telenor, TIM	4	Discussion		Used as a basis for LS in SP-040676
SP-040630	LS (from CN WG5) on OMA and Web Services specifications (3GPP TS 29.199-series)	CN WG5	8.1.2	Action		Covered by discussions of SP-040629
SP-040631	TSG S4 Status Report at TSG-SA#25	SA WG4 Chairman	7.4.1	Information		Noted
SP-040632	3GPP TS 26.346 "Multimedia Broadcast/Multicast Service; Protocols and Codecs" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Comments should be forwarded to SA WG4
SP-040633	3GPP TS 26.401 "Enhanced aacPlus General Audio Codec; General description" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040634	3GPP TS 26.402 "Enhanced aacPlus General Audio Codec; Additional Decoder Tools" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040635	3GPP TS 26.403 "Enhanced aacPlus General Audio Codec; Encoder specification; Advanced Audio Coding (AAC) part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040636	3GPP TS 26.404 "Enhanced aacPlus General Audio Codec; Encoder specification; Spectral Band Replication (SBR) part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040637	3GPP TS 26.405 "Enhanced aacPlus General Audio Codec; Encoder Specification; Parametric Stereo part" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040638	3GPP TS 26.410 "Enhanced aacPlus General Audio Codec; Floating-point ANSI-C code" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040639	3GPP TS 26.290 "Extended Adaptive Multi-Rate - Wideband codec**;** Transcoding functions" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040640	3GPP TS 26.304 "Extended Adaptive Multi-Rate - Wideband codec; Floating-point ANSI-C code" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040641	CRs TS 26.140 on Introduction of Extended AMR-WB and / or Enhanced aacPlus into MMS service (Release 6)	SA WG4	7.4.3	Discussion / Decision		CR006R2 Approved. Other CRs were withdrawn
SP-040642	CRs TS 26.234 on Introduction of Enhanced aacPlus and / or Extended AMR-WB into PSS service (Release 6)	SA WG4	7.4.3	Discussion / Decision		CR074R1 Approved. Other CRs were withdrawn
SP-040643	CRs TS 26.244 on Storage of AMR-WB+ and / or Enhanced aacPlus audio in 3GP files (Release 6)	SA WG4	7.4.3	Discussion / Decision		Approved
SP-040644	CRs TS 26.101 on Generic Frame Structure for GSM-EFR SID and Error Corrections (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040645	CR TS 26.102 on Mapping of GSM_EFR SID on Nb Interface (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040646	CRs TS 26.103 on Harmonisation of AMR Configurations & several Corrections (Releases 5 and 6)	SA WG4	7.4.3	Approval		CR024 Rejected. Other CRs approved
SP-040647	CR TS 28.062 on Harmonisation of AMR Configurations (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040648	CR TS 26.111 on 3G-324M Improvements: addition of optional AMR-WB support (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040649	CRs TS 26.131 & TS 26.132 on Change of sending distortion requirement & test case (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040650	CR TS 26.140 on Update of MMS codecs and formats with Release 6 functionality (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040651	CR TS 26.233 on Addition of Release 6 functionality (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040652	CR TS 26.234 on Additional Release-6 updates to PSS Protocols and codecs (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040653	CRs TS 26.235 on Support for 128 kbps video in the PS conversational services & editorial corrections (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040654	CR TS 26.244 on Additional Release 6 update to 3GP file format (Release 6)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040655	Proposed CR008R1 to 26.140: Update of MMS codecs and formats with H.264	Apple Computer, AT&T Wireless Services, Ericsson, France Telecom, Fraunhofer, Nokia (editor), ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, STMicroelectronics, Texas Instruments, Toshiba, Vodafone	7.4.3	Approval		Approved
SP-040656	Proposed CR075R1 to 26.234: Introduction of the H.264 (AVC) video codec into the PSS service	Apple Computer, AT&T Wireless Services, Ericsson (editor), France Telecom, Fraunhofer, Nokia, ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, STMicroelectronics, Texas Instruments, Toshiba, Vodafone	7.4.3	Approval		Approved
SP-040657	Proposed CR004R1 to 26.244: Storage of H.264 (AVC) video in 3GP files	Apple Computer, AT&T Wireless Services, Ericsson (editor), France Telecom, Fraunhofer, Nokia, ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, STMicroelectronics, Texas Instruments, Toshiba, Vodafone	7.4.3	Approval		Approved
SP-040658	Proposed CR008R1 to 26.235: Introduction of the H.264 video codec into packet-switched conversational services	Apple Computer, AT&T Wireless Services, Ericsson (editor), France Telecom, Fraunhofer, Nokia, ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, STMicroelectronics, Toshiba, Vodafone	7.4.3	Approval		Approved
SP-040659	Proposed CR010R3 to 26.111: 3G-324M Improvements	Apple Computer, AT&T Wireless Services, Ericsson (editor), France Telecom, Fraunhofer, Nokia, ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, Texas Instruments, Toshiba, Vodafone	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040660	Proposed CR014R3 to 26.911: 3G-324M Improvements	Apple Computer, AT&T Wireless Services, Ericsson (editor), France Telecom, Fraunhofer, Nokia, ORANGE, PacketVideo, Panasonic, Philips, RealNetworks, Sharp, Texas Instruments, Toshiba, Vodafone	7.4.3	Approval		Approved
SP-040661	Support for the adoption of Advanced Video Coding (AVC/H.264) into Release 6	Apple Computer, Ericsson, France Telecom, Fraunhofer, Nokia, ORANGE, Panasonic, Philips, RealNetworks, Sharp, Toshiba, Vodafone	7.4.2	Discussion		Agreed to adopt Codec as optional Codec
SP-040662	New WI as umbrella for Rel-7 LCS WIs	MCC	7.1.3	Approval	SP-040682	Revised in SP-040682, Umbrella item created in SP-040681
SP-040663	Status Report from TSG CN Chairman	TSG CN Chairman	8.1.1	Information		Noted
SP-040664	Draft meeting report from TSG CN#25	TSG CN Secretary (MCC)	8.1.1	Information		Noted
SP-040665	Status report of IETF dependencies	TSG CN Chairman	8.1.1	Information		Noted
SP-040666	CN5's dependence on proprietry technology	Alcatel, Telcordia	8.1.2	Discussion		Related to SP-040611. Measure #1 Adopted
SP-040667	Proposed Response to SSG on Review of Q.TRMMR	TSG CN	8.1.3	Approval		Used for preparation of LS in SP-040677
SP-040668	LS on update of OSA stage 2, containing draft CR to SA2's TS 23.127	TSG CN	8.1.2	Information		Noted
SP-040669	LS from TSG CN: CN WI Status and Exception Request	TSG CN	8.1.2	Action		Noted and will be considered in the Work Plan discussions
SP-040670	Progress of work for Access Class Barring and Overload Protection (ACBOP)	NTT DoCoMo Inc., Vodafone	7.8	Information		Noted
SP-040671	Network Selection when roaming and GPRS	O2	7.8	Discussion		CN1 to investigate what will be needed to handle this problem
SP-040672	Short Notes from the 3GPP–ETSI TISPAN WS on NGN	SA WG2 Chairman	5	Information		Noted
SP-040673	LS (from TSG RAN) to TSG SA on the documents to be considered for the Revision 5 of Recommendation ITU-R M.1457	TSG RAN	4	Action		Final list provided in SP-040693
SP-040674	Status Report from TSG T	TSG T Chairman	8.3.1	Information		Noted
SP-040675	Preliminary DRAFT Meeting Report of TSG-T meeting #25	TSG T Secretary	8.3.1	Information	SP-040697	revised draft in SP-040697
SP-040676	LS on 3GPP and OMA Web Services Specifications	3GPP	8.1.2	Approval	SP-040695	Revised in SP-040695
SP-040677	LS Response to SSG on Review of Q.TRMMR	TSG SA	6.3	Approval		Approved
SP-040678	SA WG1 Status Report to SA#25	SA WG1 Chairman	7.1.1	Information		Noted
SP-040679	CR to 22.038 on Enhancement of the USAT MMS presentation (Rel-6)	SA WG3	7.1.3	Approval		Approved
SP-040680	WITHDRAWN Proposed CR to 22.145: Key management priority for MBMS services	Redrafting group	7.1.3	Approval	SP-040696	Withdrawn. Revised version in SP-040696
SP-040681	Updated WI on Toward A-GNSS concept	TSG SA	7.1.3	Approval		Approved
SP-040682	New WI as umbrella for Rel-7 LCS WIs	MCC	7.1.3	Approval		Approved
SP-040683	Draft proposed TR 33.abc: Security Aspects of Early IMS	SA WG3	7.3.3	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040684	Proposed WID: System enhancements for fixed broadband access to IMS	Siemens, on behalf of FB-IMS SA2 WI redrafting group	7.2.3	Approval	SP-040686	Revised in SP-040686
SP-040685	CR to 33.108: Correction to hi3DomainId definition (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040686	WID: System enhancements for fixed broadband access to IMS	Siemens, on behalf of FB-IMS SA2 WI redrafting group	7.2.3	Approval		Approved
SP-040687	WITHDRAWN: LS to inform groups of WI in SP-040686		7.2.3	Approval		WITHDRAWN
SP-040688	WID: Support of SMS and MMS over IP networks	SA WG2	7.2.3	Approval		Approved
SP-040689	CR to 22.078: Support of User-to-User Information (UUI) in CAMEL	Nortel Networks	7.8	Approval	SP-040698	Revised in SP-040698 with Rel-7 mirror included
SP-040690	3GPP Officials Survival Guide	MCC (J Meredith)	9	Information		Noted. Will be updated and added to 3GPP web site
SP-040691	Work Item Description: Security for early IMS	SA WG3	7.3.3	Approval		Approved
SP-040692	TSG RAN Chairmans report to TSG SA #25	TSG RAN Chairman	8.2.1	Information		Noted
SP-040693	List of TSG SA Specifications for Rev 5 of M.1457	TSG RAN Chairman	8.2.2	Approval		Endorsed with small correction to be transmitted
SP-040694	Proposal for submission towards Rev 5 of M.1457	TSG RAN	8.2.2	Approval		Endorsed to be transmitted
SP-040695	LS on 3GPP and OMA Web Services Specifications	TSG SA	8.1.2	Approval		Approved
SP-040696	Proposed CR to 22.145: Key management priority for MBMS services	TSG SA	7.1.3	Approval		Approved
SP-040697	Draft Meeting Report of TSG-T meeting #25	TSG T Secretary	8.3.1	Information		Noted
SP-040698	CRs to 22.078: Support of User-to-User Information (UUI) in CAMEL (Rel-6, Rel-7)	Nortel Networks	7.8	Approval		Approved
SP-040699	3GPP Work Plan	MCC (A. Sultan)	8.6	Information		Noted
SP-040700	Updates of the 3GPP Work Plan with respect to the OMA's dependencies	MCC (A. Sultan)	8.6	Information		Noted
SP-040701	Proposed Workshop - Positioning of Alternative IP Access Solutions for 3GPP Networks	3, RIM, TIM	8.4.1	Discussion / Decision		SA1, SA2 and SA3 were asked to look at the impacts of the TR for further discussion at next meeting
SP-040702	Review of the Work Plan at Plenaries #25	MCC (A. Sultan)	8.6	Discussion		Rel-6 Freeze Expected for December 2004. PCG to be informed. Updated with comments in SP-040703
SP-040703	revised Work Plan after review at TSG SA #25	MCC (A. Sultan)	8.6	Information		Provided for information after the discussion and comments were taken into account
SP-040704	New Work Item Description (WID) form	MCC (J Meredith)	9	Approval		Proposal for entertainment. Updated with agreed parts of SP-040609 in SP-040707
SP-040705	21.900 CR021R3: Introduction of “Early Implementation” process	Nortel Networks	9	Approval		Approved
SP-040706	21.900 CR024: Improved tracking of work item status	Nortel Networks	9	Approval		Approved
SP-040707	New Work Item Description (WID) form	MCC (J Meredith)	9	Approval		Approved

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

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117 Participants

C.2 List of eligible Voting members for TSG SA#26

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #24 or #23 (representation of an Individual Member at any of TSG SA Meetings #23, #24 or #25).

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

List Created on: 30 September 2004

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #25**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at:
3gppcontact@etsi.org

Organisation Name	Organisation Status	Country
7 LAYERS AG	3GPPMEMBER - ETSI	DE
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Corp.	3GPPMEMBER - ATIS	US
AT&T Wireless Services, Inc.	3GPPMEMBER - ATIS	US
Axalto S.A.	3GPPMEMBER - ETSI	FR
BT Group Plc	3GPPMEMBER - ETSI	GB
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - ATIS	US
Cisco Systems Belgium	3GPPMEMBER - ETSI	BE
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - ATIS	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
Flextronics, GSM Division, ODM Products Group	3GPPMEMBER - ETSI	FI
France Telecom	3GPPMEMBER - ETSI	FR
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
Hewlett-Packard, Centre de Compétences France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
Hutchison 3G UK Ltd (3)	3GPPMEMBER - ETSI	GB
IPWireless Inc.	3GPPMEMBER - ETSI	GB
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
KT Freetel Co., Ltd.	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MELCO MOBILE COMMUNICATIONS EUROPE S.A.	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER - ETSI	IL
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
NANJING ERICSSON PANDA COMMUNICATIONS LTD	3GPPMEMBER - CCSA	CN
National Communications System	3GPPMEMBER - ATIS	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
Nokia Telecommunications Inc.	3GPPMEMBER - ATIS	US

Organisation Name	Organisation Status	Country
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - ATIS	US
Nortel Networks Germany GmbH & Co. KG	3GPPMEMBER - ETSI	DE
Northstream AB	3GPPMEMBER - ETSI	SE
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
OFCOM	3GPPMEMBER - ETSI	CH
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE SA	3GPPMEMBER - ETSI	FR
Panasonic Mobile Communications Co.,Ltd.	3GPPMEMBER - ARIB	JP
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
Rogers Wireless Inc.	3GPPMEMBER - ATIS	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics Co., Japan R&D Office	3GPPMEMBER - ARIB	JP
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - ATIS	US
SFR	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
Siemens nv/sa	3GPPMEMBER - ETSI	BE
SiRF Technology Inc	3GPPMEMBER - ETSI	US
SK TELECOM	3GPPMEMBER - TTA	KR
SOFTBANK BB CORPORATION	3GPPMEMBER - TTC	JP
SONOFON A/S	3GPPMEMBER - ETSI	DK
SWISSCOM SA	3GPPMEMBER - ETSI	CH
Telcordia Technologies, Inc.	3GPPMEMBER - ATIS	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telecom Modus Limited	3GPPMEMBER - ETSI	GB
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA S.A.	3GPPMEMBER - ETSI	ES
Telekom Austria Aktiengesellschaft	3GPPMEMBER - ETSI	AT
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Tieto Enator Technical Conssultants AB	3GPPMEMBER - ETSI	SE
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile International AG	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - ATIS	US
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
TTP Communications plc	3GPPMEMBER - ETSI	GB
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB
VoiceAge Corporation	3GPPMEMBER - ETSI	CA
WAVECOM SA	3GPPMEMBER - ETSI	FR

Total: 100 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #25

D.1 Release 1999 GSM Specifications and reports

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

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.14.0	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	.
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	.
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	.
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	.
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	.
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31 Target: Mid-2001; must await stable 11.14 R99. TP-12: approved. 2002-01-31: (Sanders) reinstated to fill the gap between R98 and Rel-4!
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	.
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	TSG#11:R98 upgraded to Rel-4 (42.043) so assume we need a Rel-1999 version too!
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31 .
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30 Nov-00: Created to fill the gap.
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	POIRAUD, Patrick	.
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	CLAYTON, Michael	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	CLAYTON, Michael	. TSG#10:8.1.0
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	.
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	.
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	.
TS	03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	8.5.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.7.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	.
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	TSG#10:8.1.0
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	#32:8.1.0
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	.
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11 .
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.2.0	R99	G1	CARRIZO MARTINEZ, Jose Luis	2003-10-09: Converted from TR to TS. GERAN#2: 8.0.0
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	.
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.12.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.4.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.4.0	R99	N1	MÜNNING, Dirk	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.9.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073. SP-16: 23.073 reverts to GERAN-only.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!) #29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	DAWES, Peter	#31: 8.0.0
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.6.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.24.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.15.0	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.25.0	R99	G2	HOWELL, Andrew	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	DOIG, Ian	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.8.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.11.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.7.0	R99	G1	SÉBIRE, Benoist	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.16.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio subsystem link control	8.21.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.12.0	R99	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	.
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	.
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	.

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.1	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.15.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.12.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. .
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30 .
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	#31: 8.0.0 TSG#10:8.1.0
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.7.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	8.3.0	R99	G3new	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5. #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.9.0	R99	T3	SALMERON, Lidia	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4). May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.12.0	R99	T3	GUTHERY, Scott B.	

Type	Number	Title	Ver at TSG#25	Rel	TSG/ WG	Editor	Comment
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.1	R99	T3	BEGASSAT, Christophe	No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.17.0	R99	T3	WOODSEND, Kristian	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	May 00: R99 not anticipated. TP-18: R99 created.
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G1	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur. GP-09 (Usai) created to fill the Release gap.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain. TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 02.31 R99.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). SP-16: Takes over from 02.32 R99.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.4.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 CR to 3.0.1 not aprvd.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1". .
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	3.5.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.2	R99	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. August 2001: still debating whether this is GSM-only or common.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DEOL, Amar	Transfer>TSG#4

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	ZARRI, Michele	
TS	22.101	Service aspects; Service principles	3.17.0	R99	S1	DEOL, Amar	
TS	22.105	Services and service capabilities	3.10.0	R99	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	3.4.0	R99	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	MEYER, Juergen	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	SCARRONE, Enrico	.
TR	22.975	Advanced addressing	3.1.0	R99	S1	WATSON, John	.
TS	23.002	Network architecture	3.6.0	R99	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	3.14.0	R99	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	3.6.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.8.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.14.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	R99	N1	ZAUS, Robert	Should not be in UMTS ???? .
TS	23.015	Technical realization of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	3.10.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 03.31 R99.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	CARRIÓN, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). SP-16: takes over from 03,35 R99.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	3.16.0	R99	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.19.0	R99	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	RINNE, Janne	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5 Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25.
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	3.11.0	R99	S2	WONG, Gavin	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5 TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS.
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.10.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.19.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. TSG#7:Decision to create.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	R99	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	3.17.0	R99	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	3.13.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.14.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.19.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	3.13.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	3.13.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	GERSTENBERGER, Dirk	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	3.9.0	R99	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	3.12.0	R99	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	3.13.0	R99	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	3.12.0	R99	R1	CZAPLA, Liliana	
TS	25.301	Radio interface protocol architecture	3.11.0	R99	R2	EKEMARK, Sven	
TS	25.302	Services provided by the physical layer	3.16.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	3.14.0	R99	R2	BARRETO, Luis	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.11.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.10.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	3.4.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.17.0	R99	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	3.18.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.8.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.20.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	3.14.0	R99	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.2	R99	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.8.0	R99	R3	DREVON, Nicolas	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.11.0	R99	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	R99	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	3.1.0	R99	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.14.2	R99	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.11.0	R99	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	.
TR	25.833	Physical layer items not for inclusion in Release 99	3.0.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03) 2003-11-28: WG Chairman intends that this be brought under change control at RP-22.
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. TSG#10:3.0.0 (is evidently R99 not Rel-4)
TR	25.921	Guidelines and principles for protocol description and error handling	3.11.0	R99	R2	BARRETO, Luis	
TR	25.922	Radio resource management strategies	3.8.0	R99	R2	HUS, Olivier	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	Radio Frequency (RF) system scenarios	3.3.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	3.1.0	R99	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4 .
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.5.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards. No Rel-4 version. Became 26.115.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM. was 26.075;
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.15.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	.
TS	27.007	AT command set for User Equipment (UE)	3.13.0	R99	T2	VOTE, Nicola	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	RODERMUND, Friedhelm	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	TSG#8:3.1.0 but this CR not impementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	RODERMUND, Friedhelm	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TS	29.002	Mobile Application Part (MAP) specification	3.20.0	R99	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.15.0	R99	N3	BELLING, Thomas	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.12.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4 .
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.11.0	R99	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.19.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	OSA subgroup
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221. TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM application	3.17.0	R99	T3	RUBON, Jean-Francois	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.13.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.10.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.7.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.005	Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain	3.7.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.015	Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain	3.12.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	Telecommunication management; 3G Performance Management	3.9.0	R99	S5	HÜBINETTE, Ulf	
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts SP-08: multipart split from parent 3.0.1
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP): Information model (including Network Resource Model (NRM)	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.4.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	33.102	3G security; Security architecture	3.13.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	.
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049 Formerly 33.904.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.16.0	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.10.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.14.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	3.12.0	R99	T1	MAUCKSCH, Thomas	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.7.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901. 2002-09-26: Anticipate approval at TP-18.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	RODERMUND, Friedhelm	.
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	4.10.0	Rel-4	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TS	21.111	USIM and IC card requirements	4.1.0	Rel-4	T3	KALINER, Stefan	2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5 version. TP-16: decided to upgrade to Rel-5.
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.4.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4 TSG#8: CR proposed creation, but not aprvd.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 42.031 Rel-4.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). SP-16: Takes over from 42.032 Rel-4.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048. .
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.6.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	HECHWARTNER, Roland	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Apr2001: V3 unwithdrawn, so Rel-4 version produced.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.10.0	Rel-4	S1	DEOL, Amar	based on 3.9.0
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	4.1.0	Rel-4	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	MEYER, Juergen	(development in T2) based on 3.0.0
TS	23.002	Network architecture	4.8.0	Rel-4	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	4.8.0	Rel-4	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	4.2.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.3.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.9.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realization of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.4.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 43.031 Rel-4.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	CARRIÓN, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). SP-16: takes over from 43.035 Rel-4
TS	23.038	Alphabets and language-specific information	4.5.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.9.0	Rel-4	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048, .
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.5.0	Rel-4	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	4.9.0	Rel-4	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.11.1	Rel-4	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 3.

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TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5 .
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	Rel-4	S2	RINNE, Janne	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98. 2002-02-26: Hietalahti proposes to withdraw, no further interest, unmaintained. 2002-04-15: N1-23 decision to continue to Rel-5. 2002-06-27: (Jorgensen) if R99 and Rel-5 exist, so musts Rel-4, so re-instated.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25.
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.10.0	Rel-4	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.10.0	Rel-4	N4	HODGES, Phil	New after TSG#5
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.7.0	Rel-4	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.12.0	Rel-4	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. post-TSG#8: Recombined Rel99 2G and 3G specs (respectively 03.71 and 23.171).
TR	23.873	Feasibility study for transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	

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TR	23.910	Circuit switched data bearer services	4.8.0	Rel-4	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS.
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.3.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.14.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	4.11.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	4.8.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	4.8.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.4.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.13.0	Rel-4	R4	GUERRINI, Claudio	

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TS	25.133	Requirements for support of radio resource management (FDD)	4.13.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	4.8.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	4.9.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	4.10.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107 Was to have been 25.107. But never was.
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	GERSTENBERGER, Dirk	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	4.4.0	Rel-4	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	4.8.0	Rel-4	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	4.11.0	Rel-4	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	4.8.0	Rel-4	R1	CZAPLA, Liliana	
TS	25.301	Radio interface protocol architecture	4.4.0	Rel-4	R2	EKEMARK, Sven	
TS	25.302	Services provided by the physical layer	4.8.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	4.8.0	Rel-4	R2	BARRETO, Luis	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.7.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.9.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	4.4.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.10.0	Rel-4	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	4.12.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.4.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.15.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	4.1.0	Rel-4	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.12.0	Rel-4	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.10.0	Rel-4	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	4.2.0	Rel-4	R3	PALAT, Sudeep	

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TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.12.1	Rel-4	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.4.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.4.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.5.0	Rel-4	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.4.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	4.0.0	Rel-4	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN Iub interface NBAP signalling	4.13.0	Rel-4	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.6.0	Rel-4	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	4.0.0	Rel-4	R1	SASAKI, Tsukasa	RP-15: Not to be promoted to Rel-5. 2003-11-28: WG Chairman indicates that the doc is contentious, and cannot easily be brought under change control. RP-22: Neverthless, brought under change control; no further work envisaged.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	RP-15: Not to be promoted to Rel-5.
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	RP-15: No upgrade to Rel-5.
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	RP-15: No upgrade to Rel-5.
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	RP-15: No upgrade to Rel-5.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. RP-15: No upgrade to Rel-5.
TR	25.921	Guidelines and principles for protocol description and error handling	4.8.0	Rel-4	R2	BARRETO, Luis	
TR	25.922	Radio resource management strategies	4.3.0	Rel-4	R2	HUS, Olivier	
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99. RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.942	Radio Frequency (RF) system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04) RP-15: Not to be promoted to Rel-5.
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service (QoS) Negotiation over Iu	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	Derived from 26.914 R99.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.3.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.2.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	2002-06-18: not useful to upgrade to Rel-5?

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078 Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.12.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for User Equipment (UE)	4.6.0	Rel-4	T2	VOTE, Nicola	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	RODERMUND, Friedhelm	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	N3	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	RODERMUND, Friedhelm	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	RODERMUND, Friedhelm	TP-15: Not to be promoted to Rel-5.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4 TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.15.0	Rel-4	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.11.0	Rel-4	N3	BELLING, Thomas	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.8.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	DAWES, Peter	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.5.0	Rel-4	N1	DAWES, Peter	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.11.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	4.10.0	Rel-4	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.6	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.10.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.9.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.8.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.9.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	BELLING, Thomas	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.2	Rel-4	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series. .
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.1.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	4.13.0	Rel-4	T3	RUBON, Jean-Francois	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.12.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.9.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.5.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	4.7.0	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.7.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.8.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars) .
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-3 .
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-2 .
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.5.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.8.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	4.3.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3 .
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	4.6.0	Rel-4	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.5.0	Rel-4	S5	TOCHE, Christian	was 32.602-5 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1 .
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2 .
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3 .
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.620-4 .
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1 .
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PAL, Tapinder	was 32.621-2 .
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.1.0	Rel-4	S5	PAL, Tapinder	was 32.621-3 .
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.621-4 .
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PETERSEN, Robert	was 32.622-2 .
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.3.0	Rel-4	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1 .
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.5.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.2.0	Rel-4	S5	RAYMER, David	was 32.623-3 .
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	.
TS	33.102	3G security; Security architecture	4.5.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	SP-15: Not to be promoted to Rel-5.
TS	33.105	Cryptographic algorithm requirements	4.2.0	Rel-4	S3	CHIKAZAWA, Takeshi	SP-15: Not to be promoted to Rel-5. SP-24: Decision reversed, promoted to Rel-5 and -6.
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-15: Not to be promoted to Rel-5.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	SP-15: Not to be promoted to Rel-5.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049 SP-15: Not to be promoted to Rel-5.
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10. SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.11.0	Rel-4	T1	CHALABI, Nouhman	TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.6.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	4.1.0	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	4.10.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.2.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR. TSG#11:changed to Rel-4.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:Formerly 35.209 Rel-99 (but never made available)
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.12.0	Rel-4	SP	MEREDITH, John M	.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240. .
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	POIRAUD, Patrick	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.4.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.6.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	4.5.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.4.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.4.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service. .
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012) TSG#11: Replaces 24.012 for Rel-4 on.
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	DAWES, Peter	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.4.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.19.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.11.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.18.0	Rel-4	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.3.0	Rel-4	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical layer on the radio path; General description	4.3.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.14.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.15.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.5.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.10.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.7.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5. #32:9.0.0 MCC-converted Aug00:4.0.1
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.8.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.12.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application". TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.1.0	Rel-4	T3	BEGASSAT, Christophe	TP-15: New WI approved in TP-020029.
TS	51.014	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface	4.4.0	Rel-4	T3	WOODSEND, Kristian	RP-11: TSG-T agreed not to have a rel-4 version. The 3G equivalent (31.111) will be upgraded to include a GSM-only annex. TP-18: This spec resurrected, based on ETSI TS 102 223 Rel-4 (via a CR to 11.14 R99).
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	4.4.0	Rel-4	G1	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G1	BUSIN, Ake	.
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402. .

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048. TP-24: target for approval = TP-25.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze indicates that Rel-4 will eventually be produced, so this Release reinstated (though existing so-called draft v0.0.1 is still scrapped).

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.7.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	5.1.0	Rel-5	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	5.1.0	Rel-5	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	5.8.0	Rel-5	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. .
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5 .
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5 .
TS	22.004	General on supplementary services	5.1.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4 .
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 42.031 Rel-5.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). .
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.4.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WATSON, John	Transfer>TSG#4 .
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	TP-12: was previously 42.048. .
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4. .
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	5.4.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.14.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.101	Service aspects; Service principles	5.13.0	Rel-5	S1	DEOL, Amar	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.105	Services and service capabilities	5.2.0	Rel-5	S1	ZARRI, Michele	.
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.4.0	Rel-5	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	.
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	MEYER, Juergen	(development in T2) .
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	CLAYTON, Michael	SP-16: to "GERAN" set. WI approved TSG#7
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	2004-09-30: "IMS" added to title in database for ease of searching. Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WATSON, John	.
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	BARNES, Nigel	.
TS	23.002	Network architecture	5.12.0	Rel-5	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	5.9.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.7.0	Rel-5	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	5.8.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ???? .
TS	23.015	Technical realization of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	5.3.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	5.9.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 43.031 Rel-5.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility? .
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1	CARRIÓN, Inmaculada	.
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). .
TS	23.038	Alphabets and language-specific information	5.1.0	Rel-5	T2	HARRIS, Ian	.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.040	Technical realization of Short Message Service (SMS)	5.8.0	Rel-5	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. .
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.2.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4 .
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	5.8.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048, .
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft. .
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title. .
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	5.9.0	Rel-5	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4 .
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.3.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.8.0	Rel-5	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. Phase 4.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.5.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5 .
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 .
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5 .
TS	23.101	General UMTS Architecture	5.0.1	Rel-5	S2	OLSSON, Magnus	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.12.0	Rel-5	S2	RINNE, Janne	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98. 2002-04-15: N1-23 decision to continue to Rel-5.
TS	23.110	UMTS Access Stratum Services and Functions	5.0.0	Rel-5	S2	LOPEZ-TORRES, Oscar	.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5 .
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5 .
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.3.0	Rel-5	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. .
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.11.0	Rel-5	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. 2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available. 2004-01-12: (Rodermund) WAP Forum (now OMA) elements for MMS Rel-5 are ready.
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.8.0	Rel-5	N4	HODGES, Phil	New after TSG#5 .
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.4.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895. SP-20: approved as a Rel-5 document, not Rel-6.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.7.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.9.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.7.0	Rel-5	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	5.11.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set. WI approved TSG#7
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.12.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	.
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.12.0	Rel-5	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. .
TS	23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.6.0	Rel-5	N4	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178. NP-24: txferred to N4 on closure of N2. Was briefly 23.178. CAMEL Phase 4.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915. 2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	Not to progress to Rel-6: see 23.271.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974. .
TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval). NP-25: TSG CN proposing to convert to a TS. NP-25: In view of the intention to replace by a TS, this TR will not be upgraded to Rel-6.
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	5.0.0	Rel-5	S2	MILINSKI, Alexander	SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert 23.881 to 23.981. Agreed at S2-39. SP-24: to be back-created by CRs to the Rel-6 instance.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.2.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5 .
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.12.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface". .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.4.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	5.10.0	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	5.10.0	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)	5.12.0	Rel-5	R4	FERNANDES, Edgar	.
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	5.6.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	5.9.0	Rel-5	R4	SKÖLD, Johan	.
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	5.6.0	Rel-5	R4	KOTTKAMP, Meik	.
TS	25.106	UTRA repeater radio transmission and reception	5.8.0	Rel-5	R4	NILSSON, Martin	.
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.5.0	Rel-5	R4	BARNES, David	.
TS	25.123	Requirements for support of radio resource management (TDD)	5.10.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.12.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	5.9.0	Rel-5	R4	NAKAMURA, Takaharu	.
TS	25.142	Base Station (BS) conformance testing (TDD)	5.7.0	Rel-5	R4	MEYER, Juergen	.
TS	25.143	UTRA repeater conformance testing	5.8.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107 .
TS	25.201	Physical layer - general description	5.2.0	Rel-5	R1	GERSTENBERGER, Dirk	.
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.6.0	Rel-5	R1	PARKVALL, Stefan	.
TS	25.212	Multiplexing and channel coding (FDD)	5.9.0	Rel-5	R1	MICHEL, Jürgen	.
TS	25.213	Spreading and modulation (FDD)	5.5.0	Rel-5	R1	WILLENEGGER, Serge	.
TS	25.214	Physical layer procedures (FDD)	5.9.0	Rel-5	R1	BOUMENDIL, Sarah	.
TS	25.215	Physical layer; Measurements (FDD)	5.5.0	Rel-5	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	CHAPMAN, Thomas	.
TS	25.222	Multiplexing and channel coding (TDD)	5.7.0	Rel-5	R1	BEALE, Martin	.
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	ANDERSON, Nicholas	.
TS	25.224	Physical layer procedures (TDD)	5.8.0	Rel-5	R1	RUDOLF, Marian	.
TS	25.225	Physical layer; Measurements (TDD)	5.7.0	Rel-5	R1	CZAPLA, Liliana	.
TS	25.301	Radio interface protocol architecture	5.3.0	Rel-5	R2	EKEMARK, Sven	.
TS	25.302	Services provided by the physical layer	5.7.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5? .

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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	5.6.0	Rel-5	R2	BARRETO, Luis	.
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.9.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.8.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. .
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	5.3.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.6.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. .
TS	25.321	Medium Access Control (MAC) protocol specification	5.9.0	Rel-5	R2	STADLER, Thomas	.
TS	25.322	Radio Link Control (RLC) protocol specification	5.8.0	Rel-5	R2	MADELAINE, Sebastien	.
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	.
TS	25.324	Broadcast/Multicast Control (BMC)	5.4.0	Rel-5	R2	HARTL, Mike	.
TS	25.331	Radio Resource Control (RRC) protocol specification	5.10.0	Rel-5	R2	KUCHIBHOTLA, Ravi	.
TS	25.401	UTRAN overall description	5.9.0	Rel-5	R3	GODIN, Philippe	Approval at TSG#5 .
TS	25.402	Synchronisation in UTRAN Stage 2	5.3.0	Rel-5	R3	KUNZ, Walter	New .
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.4.0	Rel-5	R3	DIESEN, Michael	Approval at TSG#5 .
TS	25.411	UTRAN Iu interface layer 1	5.1.0	Rel-5	R3	KUNZ, Walter	.
TS	25.412	UTRAN Iu interface signalling transport	5.1.0	Rel-5	R3	NG, Cheng Hock	.
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.10.0	Rel-5	R3	GUYOT, Olivier	.
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.7.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.415	UTRAN Iu interface user plane protocols	5.4.0	Rel-5	R3	ISRAELSSON, Martin	.
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.7.0	Rel-5	R3	MCWILLIAMS, Brendan	.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.2.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.11.0	Rel-5	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.6.0	Rel-5	R3	KEKKI, Sami	.
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.3.0	Rel-5	R3	HAKULI, Tuomas	.
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.4.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.432	UTRAN Iub interface: signalling transport	5.1.0	Rel-5	R3	KOIZUMI, Yoshiko	.
TS	25.433	UTRAN Iub interface NBAP signalling	5.10.0	Rel-5	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	LAVASANI, Shahab	.
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	HAUSER, Alexander	.

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TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	JOLLEY, Vincent	.
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.9.0	Rel-5	R3	JOLLEY, Vincent	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	N, A	.
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	.
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena Eva	.
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	HAUTALA, Jari	2003-01: title changed from "Traffic termination point swapping" some time ago. .
TR	25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	.
TR	25.882	1,28 Mcps TDD option base station classification	5.0.0	Rel-5	R4	MEYER, Juergen	.
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena Eva	Previous rapporteur: Shahrokh Amirijoo. .
TR	25.921	Guidelines and principles for protocol description and error handling	5.5.0	Rel-5	R2	BARRETO, Luis	.
TR	25.922	Radio resource management strategies	5.3.0	Rel-5	R2	HUS, Olivier	.
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	.
TR	25.933	IP transport in UTRAN	5.4.0	Rel-5	R3	DREVON, Nicolas	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.942	Radio Frequency (RF) system scenarios	5.3.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	.
TR	25.945	RF requirements for low chip rate TDD option	5.1.0	Rel-5	R4	ZHANG, Daijun	.
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	. .
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.1.0	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	5.3.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	5.0.1	Rel-5	S4	USAI, Paolino	.
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .

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TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	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	5.5.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.4.0	Rel-5	S4	USAI, Paolino	.
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	.
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.1.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5 .
TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.4.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.2.0	Rel-5	S4	CASTAGNO, Roberto	.
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.8.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.2.0	Rel-5	S4	N, A	.
TS	26.226	Cellular text telephone modem; General description	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-07-27: database title changed from "Global text telephony (GTT);Transport of text in the voice channel". TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4.
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	5.0.2	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. 2004-06-27: title in database chaged from "Global text telephony (GTT); Cellular text telephone modem transmitter C-code description" to reflect document TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.

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TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	5.6.0	Rel-5	S4	FRANCESCHI, Olle	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.5.0	Rel-5	S4	OJALA, Pasi	.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.1.0	Rel-5	S4	HAAVISTO, Petri	.
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	5.0.0	Rel-5	S4	VARSA, Viktor	2003-01-14: WG Secretary reports that this TS should be approved at SP-19. SP-19: still under revision, anticipated for approval at SP-20.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM. .
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.1.0	Rel-5	S4	VAINIO, Janne	Cf 26.975. .
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.8.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	27.007	AT command set for User Equipment (UE)	5.4.0	Rel-5	T2	VOTE, Nicola	.
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	RODERMUND, Friedhelm	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.6.0	Rel-5	N3	BOSWARTHICK, David	GPRS .
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	.
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	RODERMUND, Friedhelm	.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.4.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4 .
TS	29.002	Mobile Application Part (MAP) specification	5.10.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.10.0	Rel-5	N3	BELLING, Thomas	.
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.7.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??) .
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4 .
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	DAWES, Peter	.

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TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.5.0	Rel-5	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.11.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	5.9.0	Rel-5	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". NP-16: some indications from N3 report that this spec should not be considered frozen yet. So change freeze date from March 2002 to Sept 2002.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.9.0	Rel-5	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. Phase 4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.4.0	Rel-5	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258) .
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5 .
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5 .
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.8.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.6.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.6.0	Rel-5	N5	ABARCA, Chelo	.

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TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	5.7.0	Rel-5	N5	ABARCA, Chelo	.
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.2.0	Rel-5	N4	ANGELO, Ciriaco	.
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	5.1.0	Rel-5	N4	HEIDERMARK, Alf	.
TS	29.207	Policy control over Go interface	5.9.0	Rel-5	N3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". .
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.8.0	Rel-5	N3	SILLANPÄÄ, Anna	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.9.0	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	5.8.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. .
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.8.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT .
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.3.0	Rel-5	N4	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2. NP-24: txferred to N4 on closure of N2. TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.7.0	Rel-5	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	5.7.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	.
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	N3	BELLING, Thomas	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203. NP-11:creation Supersedes 29.203
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.3	Rel-5	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143. NP-15: Was originally Rel-6, but moved to Rel 5.
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.1	Rel-5	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series. .
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.1.0	Rel-5	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221. TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM application	5.10.0	Rel-5	T3	RUBON, Jean-Francois	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.7.0	Rel-5	T3	RUBON, Jean-Francois	2004-05-07:additional rapporteur: Peter Vestergaad. .
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.7.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14. .
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.5.0	Rel-5	T3	KALINER, Stefan	.
TS	32.101	Telecommunication management; Principles and high level requirements	5.5.0	Rel-5	S5	TRUSS, Michael	.
TS	32.102	Telecommunication management; Architecture	5.6.0	Rel-5	S5	BERGGREN, Tommy	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	5.4.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.5.1	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts .
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.8.0	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.200	Telecommunication management; Charging management; Charging principles	5.7.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.8.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.7.0	Rel-5	S5	ALEXANDER, Benni	.
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.6.0	Rel-5	S5	TEPPO, Patrik	.
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.4.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars) .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	5.1.0	Rel-5	S5	TSE, Edwin	was 32.301-2 .
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3 .
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	TSE, Edwin	.
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.4.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.8.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	5.0.1	Rel-5	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	5.3.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.3.0	Rel-5	S5	TSE, Edwin	was 32.601-3 .
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	5.3.0	Rel-5	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.5.0	Rel-5	S5	TOCHE, Christian	was 32.602-5 .
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.620-1 .
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.5.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2 .
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.4.0	Rel-5	S5	PIRT, Trevor	was 32.620-3 .
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.4.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.620-4 .
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.3.0	Rel-5	S5	TOCHE, Christian	.
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1 .
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.6.0	Rel-5	S5	PAL, Tapinder	was 32.621-2 .
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	PAL, Tapinder	was 32.621-3 .
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.3.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.4.0	Rel-5	S5	TOCHE, Christian	RP-15: existence gleaned from S5 report. .
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.5.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2 .
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.4.0	Rel-5	S5	RAYMER, David	was 32.622-3 .
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.6.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.622-4 .
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.6.0	Rel-5	S5	TOCHE, Christian	.
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.623-1 .
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	Rel-5	S5	PETERSEN, Robert	was 32.623-2 .
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.3.0	Rel-5	S5	RAYMER, David	was 32.623-3 .
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.4.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TS	32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.6.0	Rel-5	S5	TOCHE, Christian	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	5.2.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.3.0	Rel-5	S5	PAL, Tapinder	SP-15: will not exist in Rel-5. SP-17 Oh yes it will!

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	SP-15: will not exist in Rel-5. SP-17: Yes it will!
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	RAYMER, David	.
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	.
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	.
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	.
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	TRUSS, Michael	SP-21: No rapporteur, work stopped.
TS	33.102	3G security; Security architecture	5.5.0	Rel-5	S3	BLOMMAERT, Marc	.
TS	33.105	Cryptographic algorithm requirements	5.0.0	Rel-5	S3	CHIKAZAWA, Takeshi	.
TS	33.106	Lawful interception requirements	5.1.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.6.0	Rel-5	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.8.0	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de). .
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent. .
TS	33.203	3G security; Access security for IP-based services	5.9.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.5.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.108	Common test environments for User Equipment (UE) conformance testing	5.2.0	Rel-5	T1	CHALABI, Nouhman	.
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.4.0	Rel-5	R2	BERGGREN, Anders	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)	5.5.0	Rel-5	T1	HIGUCHI, Kenji	.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	5.0.0	Rel-5	T1	MAUCKSCH, Thomas	.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.9.0	Rel-5	T1	SULTAN, Alain	.

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TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.9.0	Rel-5	T1	HU, Shicheng	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.4.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10 .
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	5.1.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10 .
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
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	5.8.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240. .
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99. .
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	POIRAUD, Patrick	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	NP-21: Decision not to progress this to Rel-6.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	5.3.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	.
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.4.0	Rel-5	G1	LIVINGSTON, Margaret	.
TS	43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	5.3.0	Rel-5	G1	LEPPISAARI, Arto	.
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.4.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.4.0	Rel-5	N1	GARAPATY, Sonia	.
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service. .
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1. .
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	5.3.0	Rel-5	G2	ISAACS, Ken	.
TS	44.005	Data Link (DL) Layer General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012) .
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	DAWES, Peter	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.3.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.17.0	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	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.10.0	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	5.13.0	Rel-5	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol .
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	.
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.2.0	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	5.10.0	Rel-5	G2	VIRTEJ, Iuliana	.
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	5.8.0	Rel-5	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2. .
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	2003-07-03 (JMM): WI UID 23011?. See also 25.901. .
TS	45.001	Physical layer on the radio path; General description	5.7.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	5.12.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.10.0	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	5.17.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.5.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	5.3.0	Rel-5	G1	JOKINEN, Harri	.
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	.
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TS	45.056	CTS-FP Radio Sub-system	5.0.0	Rel-5	G1	USAI, Paolino	.
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	.
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
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	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.12.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.10.0	Rel-5	G2	BLACK, Jyoti	.
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.6.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. .
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. .
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.4.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.10.0	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	5.10.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5. .
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	5.3.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5. .
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	5.1.0	Rel-5	T3	BEGASSAT, Christophe	TP-16: WI is TP-020122.
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	5.3.0	Rel-5	G1	BUSIN, Ake	.
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G1	BUSIN, Ake	.
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402. SP-18: Expected to be raised to Rel-5 at SP-19.

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	0.0.0	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2. .
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	0.0.1	Rel-5	R2	COURAU, François	RP-20: Primary responsibility moved from RP to R2. .
TS	31.048	Security mechanisms for the (U)SIM application toolkit; Test specification	1.0.1	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	none	Rel-5	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2) 2003-07-15 (Dietze): It is the intention that a Rel-5 be created - eventually. TP-24: Creation postponed to T3 AdHoc mtg. T3 needs guidance T on whether EF_KC has to be stored on the USIM when accessing a GERAN.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	.
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	.
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	.
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	1.2.0	Rel-5	T1	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004. TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!!)
TS	51.010-5	Mobile Station (MS) conformance specification; Part 5: GERAN / UTRAN interaction Abstract Test Suite (ATS)	0.0.0	Rel-5	G3new	HU, Shicheng	Should number really be 31.010-5? .

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.111	USIM and IC card requirements	6.1.0	Rel-6	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	6.0.0	Rel-6	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	6.3.0	Rel-6	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-21: On closure of Evolution group, confirmed that ownership stays with SA. SP-20: expect revised drafts 2003-06-20 & 2003-09-05. SP-21: approved as Rel-6 document.
TR	21.905	Vocabulary for 3GPP Specifications	6.7.0	Rel-6	S1	ZARRI, Michele	2004-06: This spec is also applicable to GERAN systems from Rel-4 onwards, at least, so include it in that set. .
TS	22.011	Service accessibility	6.4.0	Rel-6	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	6.0.0	Rel-6	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.3.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.041	Operator Determined Call Barring	6.2.0	Rel-6	S1	WATSON, John	Transfer>TSG#4 .
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	6.7.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.6.0	Rel-6	S1	GRECH, Michel	.
TS	22.094	Follow Me service description - Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.101	Service aspects; Service principles	6.8.0	Rel-6	S1	DEOL, Amar	SP-020234 slide 11 justifies existence.
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	ZARRI, Michele	.
TS	22.115	Service Aspects Charging and billing	6.4.0	Rel-6	S1	SCARRONE, Enrico	.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.6.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.1.0	Rel-6	S1	SAMPSON, Nick	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.6.0	Rel-6	S1	MEYER, Juergen	(development in T2) .
TS	22.141	Presence service; Stage 1	6.2.1	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.6.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246. .
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WATSON, John	SP-15: Timed out of Rel-5. SP-18: S1 seems to have lost interest in this spec. Known to be some holes in it.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	6.6.0	Rel-6	S1	CATALDO, Mark	2004-09-30: "IMS" added to title in database for ease of searching. SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WATSON, John	.
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	BOOTE, Michael	2003-10-31: Spec number formally allocated SP-22: target for approval = SP-25. SP-25: this realease unwithdrawn!
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.4.0	Rel-6	S1	BISCHINGER, Kurt	Cf work item 'Generic user profile" SP-17: Expected for SP-18.
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA. SP-24: debate on whether or not still needed in view of St 1 at OMA. Conclusion yes, for now. SP-25: will make this a blank doc just referencing the OMA spec; will not be propagated to Rel-7.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	WI UID = 31006 Delayed from Rel-5.
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.2.0	Rel-6	S1	CURCIO, Igor	SP-20: WID = SP-030347. .
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	.
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	LAATU, Juho	2002-10-08: created from 22.940. .
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	6.0.0	Rel-6	S1	FRANK, Robert	SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	RODERMUND, Friedhelm	.
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	YOUNGE, Mark	SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved! 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.949	Study on a generalized privacy capability	6.0.0	Rel-6	S1	BOOTE, Michael	WI: PrivCap. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	22.950	Priority service feasibility study	6.3.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR. .
TR	22.951	Service aspects and requirements for network sharing	6.1.0	Rel-6	S1	ZARRI, Michele	TP-16: anticipate v1.0.0 at TP-17.
TR	22.952	Priority service guide	6.1.0	Rel-6	S1	GARRAHAN, James	Work item = PRIOR. SP-21: S2: "No stage 2 TS needed." Target is to approve at SP-22. SP-22: Concerns that the TR may have been drafted to meet US legislation only.
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	.
TS	23.002	Network architecture	6.5.0	Rel-6	S2	MILINSKI, Alexander	Transfer>TSG#4,CR at TSG#5 .
TS	23.003	Numbering, addressing and identification	6.4.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	6.1.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	6.3.0	Rel-6	N4	BAUER, Rolf	.
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	6.2.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.015	Technical realization of Operator Determined Barring (ODB)	6.0.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	6.3.0	Rel-6	N4	PARK, Ian David Chalmers	.
TS	23.038	Alphabets and language-specific information	6.1.0	Rel-6	T2	HARRIS, Ian	.
TS	23.040	Technical realization of Short Message Service (SMS)	6.5.0	Rel-6	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. .
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.2.0	Rel-6	T2	HARRIS, Ian	Transfer>TSG#4 .
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.2.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title. .
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	6.6.0	Rel-6	S2	KUCHIBHOTLA, Ravi	Transfer>TSG#4 .
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.3.0	Rel-6	N4	HOMANN, Christian	NP-24: txferred to N4 on closure of N2. .
TS	23.081	Line Identification supplementary services; Stage 2	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 .
TS	23.107	Quality of Service (QoS) concept and architecture	6.1.0	Rel-6	S2	RINNE, Janne	was 23.907 SP-22: Rel-6 doc not to be created yet. CRs kept on ice.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	6.2.0	Rel-6	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2	6.2.0	Rel-6	S2	BOMAN, Krister	WI UID = 32030. SP-23: to be completed by SP-24.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)	6.1.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title. SP-24: To be transferred from S2 to N5 at N/SP-25. SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.7.0	Rel-6	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. TP-22: Discussed whether this work would be transferred to OMA for future Releases (I.e. beyond Rel-6). But there are IPR problems.
TS	23.141	Presence service; Architecture and functional description; Stage 2	6.7.0	Rel-6	S2	BERTENYI, Balazs	.
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	6.1.0	Rel-6	N3	HUSLENDE, Ragnar	.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.4.0	Rel-6	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	6.2.0	Rel-6	N1	DRAGE, Keith	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	23.221	Architectural requirements	6.3.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121 .
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.7.0	Rel-6	S2	TOWLE, Thomas	SP-21: Envisage modifications to cater for PoC feature.
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	6.2.0	Rel-6	S2	MARTIQUET, Nicolas	SP-18: Anticipate approval SP-19. SP-19: Doc has been split into scenario 2 and scenario 3 parts, and will be for approval at SP-20.
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.5.0	Rel-6	S2	KOSKINEN, Harri	Cf work item 'Generic user profile" SP-19: moved from Rel-5
TS	23.241	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	6.1.0	Rel-6	N4	KOZA, Yvette	Cf work item 'Generic user profile". NP-24/TP-24: txferred from T2 to N4. RP-15: Delayed from Rel-5.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.4.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846. SP-15: from Rel-5.
TS	23.251	Network sharing; Architecture and functional description	6.1.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.9.0	Rel-6	S2	WONG, Gavin	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. Continues 23.871
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	BERTENYI, Balazs	TP-16: clear that service is Rel-6.
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246. SP-15: To be a Rel-6 service, not Rel-5.
TS	23.851	Network sharing; Architecture and functional description	6.1.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TR	23.877	Architectural aspects of speech-enabled services	6.0.0	Rel-6	S2	XUAN, Qing	WID = SP-030305 (though this tdoc is actually withdrawn!). .
TR	23.895	Provision of UE specific behaviour information to network entities	6.2.0	Rel-6	S2	PUDNEY, Chris	.
TR	23.976	Push architecture	6.1.0	Rel-6	S2	ALFANO, Nicholas	2003-02-04: 23.876 -> 23.976 .
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	6.1.0	Rel-6	S2	SEISER, Franz	Work Item: Bandwidth and Resource savings and Speech enhancements for CS networks (S2-032137) SP-23: anticipate v2.0.0 at SP-24.
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	6.1.0	Rel-6	S2	MILINSKI, Alexander	SP-21: WI = SP-030385. 2004-04-08: Rapporteur indicates wish to convert 23.881 to 23.981. Agreed at S2-39.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	6.2.0	Rel-6	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5 .
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.6.0	Rel-6	N1	HOWELL, Andrew	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	6.1.0	Rel-6	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details	6.0.0	Rel-6	N1	VARGA, József	WI UID = 14504 .
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.1.0	Rel-6	N1	DRAGE, Keith	WI = PRSNC (UID 2499) .
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	6.0.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E .
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.4.0	Rel-6	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS. .
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	6.0.0	Rel-6	N1	SITCH, Paul	.
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	6.0.0	Rel-6	N1	DRAGE, Keith	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.5.0	Rel-6	R4	FERNANDES, Edgar	RP-16 agreed not to implement the CR creating this Release.
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	6.0.0	Rel-6	R4	KOTTKAMP, Meik	.
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	6.7.0	Rel-6	R4	SKÖLD, Johan	.
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	6.1.0	Rel-6	R4	KOTTKAMP, Meik	created for M.1457 update
TS	25.106	UTRA repeater radio transmission and reception	6.2.0	Rel-6	R4	NILSSON, Martin	created for M.1457 update
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	6.0.0	Rel-6	R4	BARNES, David	created for M.1457 update
TS	25.123	Requirements for support of radio resource management (TDD)	6.3.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	6.7.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	6.7.0	Rel-6	R4	NAKAMURA, Takaharu	.
TS	25.142	Base Station (BS) conformance testing (TDD)	6.1.0	Rel-6	R4	MEYER, Juergen	created for M.1457 update
TS	25.143	UTRA repeater conformance testing	6.2.0	Rel-6	R4	KUMMETZ, Thomas	Created by renumbering 25.107 created for M.1457 update
TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	6.0.0	Rel-6	R4	SHEN, Donglin	WI UID = 24012 .
TS	25.201	Physical layer - general description	6.0.0	Rel-6	R1	GERSTENBERGER, Dirk	created for M.1457 update
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.2.0	Rel-6	R1	PARKVALL, Stefan	created for M.1457 update
TS	25.212	Multiplexing and channel coding (FDD)	6.2.0	Rel-6	R1	MICHEL, Jürgen	created for M.1457 update
TS	25.213	Spreading and modulation (FDD)	6.0.0	Rel-6	R1	WILLENEGGER, Serge	created for M.1457 update
TS	25.214	Physical layer procedures (FDD)	6.3.0	Rel-6	R1	BOUMENDIL, Sarah	created for M.1457 update
TS	25.215	Physical layer; Measurements (FDD)	6.0.0	Rel-6	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.1.0	Rel-6	R1	CHAPMAN, Thomas	created for M.1457 update
TS	25.222	Multiplexing and channel coding (TDD)	6.1.0	Rel-6	R1	BEALE, Martin	created for M.1457 update
TS	25.223	Spreading and modulation (TDD)	6.0.0	Rel-6	R1	ANDERSON, Nicholas	created for M.1457 update
TS	25.224	Physical layer procedures (TDD)	6.2.0	Rel-6	R1	RUDOLF, Marian	created for M.1457 update
TS	25.225	Physical layer; Measurements (TDD)	6.1.0	Rel-6	R1	CZAPLA, Liliana	created for M.1457 update
TS	25.301	Radio interface protocol architecture	6.0.0	Rel-6	R2	EKEMARK, Sven	created for M.1457 update
TS	25.302	Services provided by the physical layer	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5? created for M.1457 update
TS	25.303	Interlayer procedures in Connected Mode	6.1.0	Rel-6	R2	RINNE, Mikko J	created for M.1457 update
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	6.3.0	Rel-6	R2	BARRETO, Luis	created for M.1457 update
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	Created from 25.923 created for M.1457 update
TS	25.306	UE Radio Access capabilities definition	6.2.0	Rel-6	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. created for M.1457 update
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	6.1.0	Rel-6	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. .
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	6.2.0	Rel-6	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. created for M.1457 update
TS	25.309	FDD enhanced uplink; Overall description; Stage 2	6.0.0	Rel-6	R2	GODARD, Tania	WI = "FDD Enhanced Uplink" .
TS	25.321	Medium Access Control (MAC) protocol specification	6.2.0	Rel-6	R2	STADLER, Thomas	created for M.1457 update
TS	25.322	Radio Link Control (RLC) protocol specification	6.1.0	Rel-6	R2	MADELAINE, Sebastien	created for M.1457 update
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.0.0	Rel-6	R2	HANS, Martin	created for M.1457 update
TS	25.324	Broadcast/Multicast Control (BMC)	6.1.0	Rel-6	R2	HARTL, Mike	created for M.1457 update

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.331	Radio Resource Control (RRC) protocol specification	6.3.0	Rel-6	R2	KUCHIBHOTLA, Ravi	RP-21: Created by CR at RP-21, but will not be created until more substantive CRs are required. (Saves on maintenance work.)
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	6.2.0	Rel-6	R2	PIRSKANEN, Juho	.
TS	25.401	UTRAN overall description	6.4.0	Rel-6	R3	GODIN, Philippe	Approval at TSG#5 .
TS	25.402	Synchronisation in UTRAN Stage 2	6.0.0	Rel-6	R3	KUNZ, Walter	New created for M.1457 update
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	6.1.0	Rel-6	R3	DIESEN, Michael	Approval at TSG#5 created for M.1457 update
TS	25.411	UTRAN Iu interface layer 1	6.1.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.412	UTRAN Iu interface signalling transport	6.0.0	Rel-6	R3	NG, Cheng Hock	created for M.1457 update
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	6.3.0	Rel-6	R3	GUYOT, Olivier	created for M.1457 update
TS	25.414	UTRAN Iu interface data transport & transport signalling	6.2.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.415	UTRAN Iu interface user plane protocols	6.1.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	6.1.0	Rel-6	R3	MCWILLIAMS, Brendan	created for M.1457 update
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	6.1.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.421	UTRAN Iur interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.422	UTRAN Iur interface signalling transport	6.0.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.3.0	Rel-6	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	created for M.1457 update
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	6.3.0	Rel-6	R3	KEKKI, Sami	created for M.1457 update
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	6.0.0	Rel-6	R3	HAKULI, Tuomas	created for M.1457 update
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.2.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.431	UTRAN Iub interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.432	UTRAN Iub interface: signalling transport	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.433	UTRAN Iub interface NBAP signalling	6.3.0	Rel-6	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	LAVASANI, Shahab	created for M.1457 update
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	6.0.0	Rel-6	R3	HAUSER, Alexander	created for M.1457 update
TS	25.450	UTRAN Iupc interface general aspects and principles	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	6.0.0	Rel-6	R3	JOLLEY, Vincent	created for M.1457 update
TS	25.452	UTRAN Iupc interface: signalling transport	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	6.6.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.460	UTRAN Iuant interface: General aspects and principles	6.0.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.461	UTRAN Iuant interface: Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	WI UID = 23010 .
TS	25.462	UTRAN Iuant interface: Signalling transport	6.0.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	6.0.0	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	6.0.0	Rel-6	R3	MILLER, James	.
TR	25.806	UMTS 1700/2100MHz Work Item	6.0.0	Rel-6	R4	NUMMINEN, Jussi	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010). 2004-01-19: title changed froim "UMTS 1700/2100MHz and UMTS 850MHz Work Items". .
TR	25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)	6.0.0	Rel-6	R3	BURGOS MARTÍNEZ, Ana	.
TR	25.887	Beamforming enhancements	6.0.0	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	.
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	.
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	6.0.0	Rel-6	R1	BOUMENDIL, Sarah	.
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	6.0.0	Rel-6	R1	BEALE, Martin	2002-10-07: anticipate approval at RP-20. RP-23: anticipate approval RP-25.
TR	25.896	Feasibility study for enhanced uplink for UTRA FDD	6.0.0	Rel-6	R1	RANTA-AHO, Karri	.
TR	25.899	High Speed Download Packet Access (HSDPA) enhancements	6.1.0	Rel-6	R1	FUKUI, Noriyuki	RP-23: v1.0.0 xpected RP-24. RP-24: approved, but some reservations over conclusions.
TR	25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	6.1.0	Rel-6	R3	HALL, Edward	WI UID 23011. See also 44.901. .
TR	25.922	Radio resource management strategies	6.0.1	Rel-6	R2	HUS, Olivier	.
TR	25.942	Radio Frequency (RF) system scenarios	6.3.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	RP-19: from Rel-5.
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.7.0	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	6.1.0	Rel-6	R1	HUANG, Howard	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	6.0.0	Rel-6	S4	HAGQVIST, Jari	.
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	6.0.0	Rel-6	S4	NAVARRO, William	.
TS	26.103	Speech codec list for GSM and UMTS	6.0.0	Rel-6	S4	HELLWIG, Karl	New after TSG#5 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	6.1.0	Rel-6	S4	USAI, Paolino	.
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	6.0.0	Rel-6	S4	ARONSON, Barry	CR at TSG#5 .
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	6.0.0	Rel-6	S4	GOETZ, Ian	.
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	6.0.0	Rel-6	S4	GOETZ, Ian	.
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	6.0.0	Rel-6	S4	CASTAGNO, Roberto	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	26.233	End-to-end transparent streaming service; General description	6.0.0	Rel-6	S4	HONKO, Harri	.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	6.1.0	Rel-6	S4	FRANCESCHI, Olle	SP-19: CRs anticipated at SP-22. SP-21: Intend to split the Rel-6 spec into four separate specs.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.2.0	Rel-6	S4	OJALA, Pasi	.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	6.0.0	Rel-6	S4	OJALA, Pasi	.
TS	26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	6.0.0	Rel-6	S4	PEARCE, David	WI UID = 34700 .
TS	26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	6.1.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.245	Transparent end-to-end Packet witched Streaming Service (PS); Timed text format	6.0.0	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	6.0.0	Rel-6	S4	GRASSEL, Guido	Created S4-25bis. See S4-030135. .
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	6.0.0	Rel-6	S4	VAINIO, Janne	.
TS	26.304	Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	6.0.0	Rel-6	S4	VAINIO, Janne	.
TS	26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.404	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	6.0.0	Rel-6	S4	KUNZ, Oliver	.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	6.0.0	Rel-6	S4	HAAVISTO, Petri	.
TR	26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs	6.0.0	Rel-6	S4	BERTENYI, Balazs	2004-01-05: Drafted by Dynasat (Alan Sharpley & Ira Panzer) under 3GPP Guest status. To be approved at S4-30.
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	6.0.0	Rel-6	S4	VARSA, Viktor	.
TS	27.007	AT command set for User Equipment (UE)	6.6.0	Rel-6	T2	VOTE, Nicola	.
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	6.0.0	Rel-6	N3	BOSWARTHICK, David	GPRS .
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	6.0.0	Rel-6	S4	SUERBAUM, Clemens	Transfer>TSG#4 .
TS	29.002	Mobile Application Part (MAP) specification	6.7.0	Rel-6	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	6.4.0	Rel-6	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??) .
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	6.1.0	Rel-6	N1	DAWES, Peter	.
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.6.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	6.2.0	Rel-6	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". .
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.3.0	Rel-6	N4	NOLDUS, Rogier	NP-24: txferred to N4 on closure of N2. .
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	6.1.0	Rel-6	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258) .
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	6.0.0	Rel-6	N4	LAITINEN, Lauri	WI = SEC1-SC (UID 14504). NP-24 title changed from "Bootstrapping and subscriber certificates; Diameter protocols; Stage 3" .
TS	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) access and Packet data Networks (PDNs)	6.0.0	Rel-6	N3	RÄSÄNEN, Juha	WI UID = 14013. .
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.4.0	Rel-6	N3	BELLING, Thomas	NP-16: For earlier versions: see Rel-5. NP-19: amticipated to come under change control at NP-21.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	6.3.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	6.2.0	Rel-6	N5	ABARCA, Chelo	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	6.2.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	6.0.0	Rel-6	N5	ABARCA, Chelo	.
TS	29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	SP-25: part 1 title changed from "Overview and common data definitions" - in fact, it is a totally different spec. .
TS	29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	SP-25: part 3 title changed from "Network-initiated third party call" - in fact, it is a totally different spec. .
TS	29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: User status	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	6.0.0	Rel-6	N5	VAN RIJSSEN, Erwin	.
TS	29.207	Policy control over Go interface	6.1.0	Rel-6	N3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". .
TS	29.208	End to end Quality of Service (QoS) signalling flows	6.1.0	Rel-6	N3	SILLANPÄÄ, Anna	.
TS	29.209	Policy control over Gq interface	6.0.0	Rel-6	N3	SILLANPÄÄ, Anna	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.4.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez .
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	6.2.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. .
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	6.1.0	Rel-6	N4	TAMMI, Kalle	WI UID = 14014 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	6.0.0	Rel-6	N4	SITCH, Paul	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157). NP-24: Secretary reports correct WI is NP-040224. .
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.3.0	Rel-6	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	6.2.0	Rel-6	N4	BERRY, Nigel. H	.
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mn interface; Stage 3	6.0.0	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773. Anticipated change control at NP-22.
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	6.0.0	Rel-6	N1	HERRERO, Christian	.
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	6.0.0	Rel-6	N1	MAYER, Georg	.
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	6.1.0	Rel-6	N3	BELLING, Thomas	.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	6.0.3	Rel-6	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143. .
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.3.0	Rel-6	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221. TP-17: upgraded to Rel-6 as there are 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.
TS	31.102	Characteristics of the USIM application	6.7.0	Rel-6	T3	RUBON, Jean-Francois	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.5.0	Rel-6	T3	RUBON, Jean-Francois	2004-05-07:additional rapporteur: Peter Vestergaad. .
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.3.0	Rel-6	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14. .
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.2.0	Rel-6	T3	N, A	.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin. SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.5.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	6.0.1	Rel-6	T3	JOLIVET, Paul	TP-20: Target for approval: TP-21.
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	RODERMUND, Friedhelm	Test spec is 34.131. .
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	6.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005. .
TS	32.101	Telecommunication management; Principles and high level requirements	6.0.0	Rel-6	S5	TRUSS, Michael	.
TS	32.102	Telecommunication management; Architecture	6.3.0	Rel-6	S5	BERGGREN, Tommy	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	6.2.0	Rel-6	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	TSG#8: split into 4 parts .
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.2.0	Rel-6	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	6.2.0	Rel-6	S5	ISLIP, John	2004-03-29: S5 Project Manager: "services operations management" removed from title. SP-15: moved from Rel-5.
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	6.1.0	Rel-6	S5	ABA, Istvan	2004-03-29: S5 Project Manager: "services operations management" removed from title. .
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	6.1.0	Rel-6	S5	TRUSS, Michael	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed from "Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2". 2003-12-03: title changed from "Telecommunication management; Integration Reference Point (IRP): Introduction and definitions". .
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". SP-24: "resources" in title changed to "Network Resource Model (NRM)". .
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	6.0.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	6.1.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	SP-21: WI = charging management for the bearer level 2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	6.0.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	6.0.0	Rel-6	S5	GOERMER, Gerald	.
TS	32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain". .
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	6.0.0	Rel-6	S5	ALEXANDER, Benni	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description". .
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.301-2 .
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-3 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	.
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.331	Telecommunication management; Notification log Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	RUI, Lanlan	.
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RUI, Lanlan	.
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	6.2.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.371	Telecommunication management; Security Management concept and requirements	6.0.0	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) SP-25: title changed from "Security Management Integration Reference Point (IRP): Requirements". .
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.3.0	Rel-6	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.5.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars) .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	6.3.0	Rel-6	S5	HÜBINETTE, Ulf	.
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	6.2.0	Rel-6	S5	RUI, Lanlan	.
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	RUI, Lanlan	.
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	6.4.0	Rel-6	S5	KORINEK, Frank	.
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and Configuration Management (CM)	6.0.0	Rel-6	S5	RAO, Mohan	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	6.0.0	Rel-6	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	TSE, Edwin	was 32.601-3 .
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	6.1.0	Rel-6	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	was 32.602-5 .
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.620-1 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.2.0	Rel-6	S5	TOVINGER, Thomas	was 32.620-2 .
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.3.0	Rel-6	S5	PIRT, Trevor	was 32.620-3 .
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.620-4 .
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.2.0	Rel-6	S5	TOCHE, Christian	.
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.621-1 .
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.0.0	Rel-6	S5	PAL, Tapinder	was 32.621-2 .
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	PAL, Tapinder	was 32.621-3 .
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.621-4 .
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	RP-15: existence gleaned from S5 report. .
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.622-1 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.2.0	Rel-6	S5	PETERSEN, Robert	was 32.622-2 .
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	RAYMER, David	was 32.622-3 .
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.1.0	Rel-6	S5	TOCHE, Christian	.
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.623-1 .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.0.0	Rel-6	S5	PETERSEN, Robert	was 32.623-2 .
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RAYMER, David	was 32.623-3 .
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TS	32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	6.1.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	6.3.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.2.0	Rel-6	S5	PAL, Tapinder	.
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.2.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	Rel-6	S5	RAYMER, David	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	.
TS	32.711	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.712	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.713	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.715	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	RUI, Lanlan	.
TS	32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	RUI, Lanlan	.
TS	32.743	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RUI, Lanlan	.
TR	32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)	6.0.0	Rel-6	S5	ISLIP, John	.
TR	32.804	Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements	6.0.0	Rel-6	S5	MUDGE, John	WI UID = 35022 (under 23010) .
TR	32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	33.102	3G security; Security architecture	6.2.0	Rel-6	S3	BLOMMAERT, Marc	.
TS	33.105	Cryptographic algorithm requirements	6.0.0	Rel-6	S3	CHIKAZAWA, Takeshi	.
TS	33.106	Lawful interception requirements	6.1.0	Rel-6	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	6.3.0	Rel-6	S3	WILHELM, Berthold	.
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.7.0	Rel-6	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de). .
TS	33.141	Presence service; Security	6.1.0	Rel-6	S3	BOMAN, Krister	.
TS	33.203	3G security; Access security for IP-based services	6.4.0	Rel-6	S3	BOMAN, Krister	.
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.5.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210). .
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	6.2.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §4. .
TS	33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	6.1.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §5 & annex A. .
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	6.1.0	Rel-6	S3	SAHLIN, Bengt	WI = SEC1-SC (UID 33002) Based on 33.109 v0.3.0 protocol B. .
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	6.2.1	Rel-6	S3	LOPEZ SORIA, Luis	.
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	6.0.0	Rel-6	S3	ESCOTT, Adrian	SP-22: target for v2.0.0 is SP-23, but this will be challenging.
TS	33.310	Network domain security; Authentication framework (NDS/AF)	6.2.0	Rel-6	S3	KOSKINEN, Tiina	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910. SP-17: expect v2.0.0 at SP-18.
TR	33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	6.0.0	Rel-6	S3	YAQUB, Raziq	Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that TR is to be internal, so number changed from 33.917. .
TR	33.919	Generic Authentication Architecture (GAA); System description	6.0.0	Rel-6	S3	VAN MOFFAERT, Annelies	WI = SEC1-SC (UID 33002) .
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	RODERMUND, Friedhelm	Base spec is 31.131. .
TS	42.068	Voice Group Call Service (VGCS); Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	.
TS	42.069	Voice Broadcast Service (VBS); Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	.
TS	43.020	Security-related network functions	6.0.0	Rel-6	S3	GILBERT, Henri	.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.0.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000. .
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	6.0.0	Rel-6	G1	SÉBIRE, Guillaume	Originally created as 03.51r00 .
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.6.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	.
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	6.3.0	Rel-6	G1	LIVINGSTON, Margaret	.
TS	43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	6.4.0	Rel-6	G1	LEPPISAARI, Arto	.
TS	43.068	Voice Group Call Service (VGCS); Stage 2	6.2.0	Rel-6	N1	GARAPATY, Sonia	.
TS	43.069	Voice Broadcast service (VBS); Stage 2	6.0.0	Rel-6	N1	GARAPATY, Sonia	.
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2	6.0.0	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	43.901	Feasibility Study on generic access to A/Gb interface	6.0.0	Rel-6	G1	KUCHIBHOTLA, Ravi	.
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.004	Layer 1 - General Requirements	6.0.0	Rel-6	G2	ISAACS, Ken	.
TS	44.005	Data Link (DL) Layer General Aspects	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.1.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.9.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.5.0	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	6.9.0	Rel-6	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol .
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	6.3.0	Rel-6	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only. .
TS	44.068	Group Call Control (GCC) Protocol	6.0.0	Rel-6	N1	GARAPATY, Sonia	.
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	6.3.0	Rel-6	G2	VIRTEJ, Iuliana	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	6.5.0	Rel-6	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2. .
TS	45.001	Physical layer on the radio path; General description	6.4.0	Rel-6	G1	JOKINEN, Harri	.
TS	45.002	Multiplexing and multiple access on the radio path	6.6.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.003	Channel coding	6.5.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	6.6.0	Rel-6	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	6.9.0	Rel-6	G1	EL-SAIGH, Amer	.
TS	45.009	Link adaptation	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TS	45.010	Radio subsystem synchronization	6.2.0	Rel-6	G1	JOKINEN, Harri	.
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811. Renumbered from 41.811.
TR	45.902	Flexible layer 1	6.6.0	Rel-6	G1	SÉBIRE, Benoist	.
TR	45.903	Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks	6.0.0	Rel-6	G1	GRANT, Marc	.
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.6.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	6.5.0	Rel-6	G2	BLACK, Jyoti	.
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	6.6.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.3.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	51.021	Base Station System (BSS) equipment specification; Radio aspects	6.2.0	Rel-6	G1	BUSIN, Ake	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	6.0.0	Rel-6	S5	TOCHE, Christian	SP-13: replaces 32.402. .
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.1.0	Rel-6	S3	WALKER, Michael	Not subject to export control. .
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; 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. .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence. .

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-6	S2	LAUTIER, Laurence	SP-20: from Rel-5.
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977). .
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...". SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.198	Open Service Access (OSA); Stage 2	none	Rel-6	N5	GOURRAUD, Christophe	NP-25: Anticipate approval NP-26; see LS in SP-040493. .
TR	23.801	Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements	1.0.0	Rel-6	S2	PUDNEY, Chris	WI = SP-040043. SP-25: this is a place holder for long-term discussion, but may eventually be abandoned. .
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	1.0.0	Rel-6	S2	DAMIDAUX, Jean-louis	WID contained in S2-022472. See also http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html. .
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964. .
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.6.0	Rel-6	S2	LIEBHART, Rainer	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228. .
TR	23.898	3GPP access class barring and overload protection	1.0.0	Rel-6	S2	DAVIDIAN, Jean-Jacques	SP-23: WI = SP-040042. SP-25: approval expected SP-26 or SP-27. .
TR	23.899	Combining Circuit Switched (CS) bearers with IP Multimeida Subsystem (IMS)	0.3.0	Rel-6	S2	WATSON, Mark	SP-23: WI = SP-040044. SP-25: expected approval at SP-27. .
TR	23.903	Redial solution for video-voice switching	1.0.0	Rel-6	S2	PUDNEY, Chris	SP-24: WI = SP-040331 SP-25: anticipated approval at SP-26.
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.
TR	23.979	3GPP enablers for Push-to-talk over Cellular (PoC) services; Stage 2	1.1.0	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540 SP-23: will be stabilized 3 months after OMA PoC AD work completed. SP-25: anticipate approval at SP-26.
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	0.5.0	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241. NP-24/TP-24: txferred from T2 to N4. 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	1.2.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E .

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	25.409	Enhanced uplink UTRA FDD; Stage 3	none	Rel-6	R3	STOJANOVSKI, Saso	2004-08-04: Spec number reserved for eventual spec resulting from 25.909 .
TR	25.803	S-CCPCH performance for MBMS	1.4.1	Rel-6	R1	MALLADI, Durga	2003-06-25: anticipate approval at RP-22.
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	0.3.0	Rel-6	R1	RUDOLF, Marian	2003-09-04: anticipated approval at RP-23. WI = RInImp-FSUpEnhTDD. RP-25: estimate approval RP-26.
TR	25.805	DS-CDMA introduction in the 800 MHz band	0.3.0	Rel-6	R4	NAKAMURA, Takehiro	WI = RInImp-UMTS800 (UID 24009) .
TR	25.808	Enhanced uplink for UTRA FDD; Physical layer aspects	0.1.1	Rel-6	R1	RANTA-AHO, Karri	.
TR	25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN	0.0.0	Rel-6	R3	GODIN, Philippe	2003-09-08: Title changed from "Radio access bearer support enhancements for the Iu". .
TR	25.862	RAB support for IMS	1.2.0	Rel-6	R2	MIKOLA, Juha	.
TR	25.876	Multiple Input Multiple Output (MIMO) antennae in UTRA	1.5.1	Rel-6	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title Timed out of Rel-5.
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	.
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	.
TR	25.897	Feasibility study on the evolution of UTRAN architecture	0.3.1	Rel-6	R3	KEKKI, Sami	.
TR	25.898	Power control enhancements for UTRA	0.1.0	Rel-6	R1	MITRA, Diptendu	.
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	none	Rel-6	S4	HONKO, Harri	WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045. .
TS	26.273	Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	1.0.0	Rel-6	S4	VAINIO, Janne	.
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	1.0.0	Rel-6	S4	CURCIO, Igor	WI = "Multimedia Broadcast and Multicast Service" UID 2544. SP-22: v1.0.0 had been expected this mtg, but at least 3 months delay expected.
TS	26.411	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code	none	Rel-6	S4	KUNZ, Oliver	.
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	0.0.2	Rel-6	S4	LOHMAR, Thorsten	.
TS	29.140	Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3	1.0.0	Rel-6	T2	HABERMANN, Steffen	The MM10 interface is between MMS Relay/Server and MSCF (Messaging Service Control Function) .
TS	29.162	Interworking between the IM CN subsystem and IP networks	1.1.1	Rel-6	N3	HOLLAND, Nigel	Work item moved to Rel-6.
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	29.210	Charging rule provisioning over Gx interface	1.0.1	Rel-6	N3	RÄSÄNEN, Juha	WI URL = 35017 .
TS	29.240	Generic User Profile (GUP); Stage 3; Network	0.3.0	Rel-6	N4	KAUNTOLA, Seppo	Cf work item 'Generic user profile" - may be renumbered to 27.241 2003-03-05: Delayed from Rel-5.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	N4	SANDERS, David	NP-25: may be delayed to Rel-7.
TR	30.531	Work Plan and Study Items - RAN WG3	0.11.0	Rel-6	R3	KRAUSE, Joern	Continues work started in R99 document.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.
TS	31.213	Test Specification for (U)SIM API for Java(TM) Card	none	Rel-6	T3	BEGASSAT, Christophe	WI in TP-040032 at TP-23. TP-25: estimate change control at TP-27.
TS	32.172	Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Network Resources Model (NRM)	2.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". .
TS	32.173	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	ABA, Istvan	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	0.2.1	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	1.3.0	Rel-6	S5	ALEXANDER, Benni	.
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	1.5.0	Rel-6	S5	BIBAS, Alain	.
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	0.0.2	Rel-6	S5	NENNER, Karl-Heinz	SP-24: this spec is a straw man for shooting down by OMA; it may never reach maturity. .
TS	32.296	Telecommunication management; Charging management; On line Charging System (OCS): Applications and interfaces	1.8.1	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047) Original target for approval = SP-21.
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.332	Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.333	Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	RAYMER, David	.
TS	32.334	Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.335	Telecommunication management; Notification log Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	1.0.0	Rel-6	S5	PIRT, Trevor	.
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	SUERBAUM, Clemens	.
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.364	Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	THORSTEINSSON, Saemundur	WI = OAM-NIM (UID 35014) .
TS	32.372	Telecommunication management; Security Management Integration Reference Point (IRP): Information Service (IS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.373	Telecommunication management; Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.374	Telecommunication management; Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	TOCHE, Christian	.
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	1.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.432	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)	1.0.0	Rel-6	S5	RAO, Mohan	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.435	Telecommunications management; Performance measurement: eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	LI, Dan	.
TS	32.436	Telecommunications management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	1.0.0	Rel-6	S5	LI, Dan	.
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	.
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.714	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.744	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	RUI, Lanlan	.
TS	32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	RUI, Lanlan	.
TR	33.878	Security aspects of early IMS	none	Rel-6	S3	HOWARD, Peter	SP-25: WI = SP-040691. .
TR	33.941	Presence service; Security	0.6.0	Rel-6	S3	BOMAN, Krister	.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	.
TS	43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	0.7.0	Rel-6	G2	HEDBY, Gunnar	WI UID = 51136. .
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	1.3.0	Rel-6	G2	GESSNER, Christina	Work item = SSStrea. .
TS	45.015	Downlink Advanced Receiver Performance (DARP) implementation guidelines	none	Rel-6	G1	ESCULIER, Carole	GP-21: GP-041928 contains independent drafts for R99, Rel-4 and Rel-5 (!)
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	GRANT, Marc	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6. 2003-01-14: Fel-5 frozen, so migrated to Rel-6.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	1.0.0	Rel-6	S5	RONKA, Kari	.

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

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	22.011	Service accessibility	7.0.0	Rel-7	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	7.0.0	Rel-7	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	7.1.0	Rel-7	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	7.0.0	Rel-7	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	7.1.0	Rel-7	S1	GRECH, Michel	.
TS	22.101	Service aspects; Service principles	7.0.0	Rel-7	S1	DEOL, Amar	.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	7.0.0	Rel-7	S1	CATALDO, Mark	2004-09-30: "IMS" added to title in database for ease of searching. .
TS	22.953	Multimedia priority service feasibility study	0.3.0	Rel-7	S1	GARRAHAN, James	.
TS	22.978	All-IP feasibility study	0.4.0	Rel-7	S1	SACHNO, Chris	SP-24: WI = SP-040303. .
TS	22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	0.2.0	Rel-7	S1	FRANK, Robert	WI = SP-040305. SP-25: owner is XIX pronounced "nineteen" (aka CSiCS = Circuit Switched IMS Combinational Service) subgroup of S1. .
TR	23.802	Architectural enhancements for end-to-end Quality of Service (QoS)	0.1.0	Rel-7	S2	JAKSA, Robert	SP-24: WI = SP-040326 .
TR	23.803	Evolution of policy control and charging	0.0.1	Rel-7	S2	BERTENYI, Balazs	SP-25: WI in SP-040533 .
TR	23.804	Support of SMS and MMS over generic 3GPP IP access	none	Rel-7	S2	ZHANG, Wenlin	Sucessor to 23.904; SP-25: WI in SP-040688 .
TS	32.431	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Requirements	none	Rel-7	S5	LI, Dan	.
TS	32.433	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	none	Rel-7	S5	LI, Dan	.
TS	32.434	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Abstract Syntax Notation number 1 (ASN.1) file format definition	none	Rel-7	S5	LI, Dan	.
TS	32.731	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	none	Rel-7	S5	RAO, Mohan	.
TS	32.732	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	none	Rel-7	S5	RAO, Mohan	.
TS	32.733	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-7	S5	RAO, Mohan	.

Type	Number	Title	Ver at TSG#24	Rel	TSG/ WG	Editor	Comment
TS	32.734	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-7	S5	RAO, Mohan	.
TS	32.735	Telecommunication management; Service Specific Core Network (CN) IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-7	S5	RAO, Mohan	.
TR	32.805	Telecommunication management; Process guide; Backward compatibility recommendations	none	Rel-7	s5	TSE, Edwin	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	7.0.0	Rel-7	S1	CLAYTON, Michael	.
TS	55.226	Specification of the A5/4 encryption algorithms for GSM and ECSD, and the GEA4 encryption algorithm for GPRS; Document 1: A5/4 and GEA4 specification	none	Rel-7	S3	CHRISTOFFERSSON, Per	Work item UID = 1571 (SEC1) .

Annex E: List of Change Requests and their status after TSG SA Meeting #25

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040510	22.038	023	-	7.0.0	Rel-7	Enhance the USAT MMS presentation	revised	B		UEMMS
SP-040679	22.038	023	1	7.0.0	Rel-7	Enhance the USAT MMS presentation	approved	A	7.1.0	UEMMS
SP-040679	22.038	024	-	6.2.0	Rel-6	Enhance the USAT MMS presentation	approved	B	6.3.0	UEMMS
SP-040503	22.078	175	-	6.5.0	Rel-6	Location Retrieval for MT call handling	approved	F	6.6.0	TEI6
SP-040503	22.078	176	-	7.0.0	Rel-7	Location Retrieval for MT call handling	approved	A	7.1.0	TEI6
SP-040689	22.078	177	-	6.5.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL	approved	B	6.6.0	TEI6
SP-040689	22.078	177	-	6.5.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL	withdrawn	B		TEI6
SP-040689	22.078	178	-	7.0.0	Rel-7	Support of User-to-User Information (UUI) in CAMEL	approved	A	7.1.0	TEI6
SP-040504	22.146	044	-	6.5.0	Rel-6	Rel-6 removal of notification requirement while receiveing PS or CS services	approved	F	6.6.0	MBMS
SP-040504	22.146	045	-	6.5.0	Rel-6	Key management priority for MBMS services	revised	F		MBMS
SP-040680	22.146	045	1	6.5.0	Rel-6	Key management priority for MBMS services	withdrawn	F		MBMS
SP-040696	22.146	045	1	6.5.0	Rel-6	Key management priority for MBMS services	approved	F	6.6.0	MBMS
SP-040511	22.228	025	-	6.6.0	Rel-7	Requirements for the handling of SIP URIs with Presence or IM prefixes	approved	B	7.0.0	IMIMS2
SP-040506	22.234	005	-	6.1.0	Rel-6	Clarification to WLAN PLMN Selection	approved	F	6.2.0	WLAN
SP-040506	22.234	006	-	6.1.0	Rel-6	Use of the SSID List at WLAN PLMN Selection	approved	F	6.2.0	WLAN
SP-040506	22.234	007	-	6.1.0	Rel-6	Clarification of Interworking between PLMN and WLANs clause 5.1.7.1	approved	F	6.2.0	WLAN
SP-040506	22.234	008	-	6.1.0	Rel-6	Clarification of the relationship between different levels of WLAN interworking	approved	F	6.2.0	WLAN
SP-040506	22.234	009	-	6.1.0	Rel-6	Clarification on the WLAN identities lists for I-WLAN selection	approved	F	6.2.0	WLAN
SP-040507	22.240	006	-	6.3.0	Rel-6	GUP, UE requirements corrections	approved	F	6.4.0	GUP
SP-040505	22.246	005	-	6.1.0	Rel-6	Minor corrections to TS 22.246 (MBMS User Services)	approved	D	6.2.0	MBMS
SP-040508	42.068	002	-	5.0.1	Rel-6	Addition of optional over-the-air ciphering for VGCS	approved	B	6.0.0	SECGKYV
SP-040512	42.068	003	-	5.0.1	Rel-7	VGCS support of service provider specific end-to-end encryption	approved	B	7.0.0	EGCS
SP-040512	42.068	004	1	5.0.1	Rel-7	Sending of SMS to an ongoing Voice Group Call	approved	B	7.0.0	EGCS
SP-040512	42.068	005	-	5.0.1	Rel-7	Enhanced talker functionality for VGCS for the support of emergency situations	approved	B	7.0.0	EGCS
SP-040508	42.069	002	-	5.0.1	Rel-6	Addition of optional over-the-air ciphering for VBS	approved	B	6.0.0	SECGKYV

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040517	23.060	504	2	6.5.0	Rel-6	Correction to the Network-Requested PDP Context Activation Procedure	approved	F	6.6.0	TEI
SP-040517	23.060	506	1	6.5.0	Rel-6	Correction to the PCO defination	approved	D	6.6.0	TEI
SP-040517	23.060	507	-	5.8.0	Rel-5	Correction for DTM	approved	F	5.9.0	TEI
SP-040517	23.060	508	-	6.5.0	Rel-6	Correction for DTM	approved	A	6.6.0	TEI
SP-040517	23.060	510	1	6.5.0	Rel-6	Introduction of Network Sharing	approved	B	6.6.0	NTShar
SP-040518	23.125	048	2	6.1.0	Rel-6	Add CCF and/or OCS address to charging rule	approved	B	6.2.0	CH

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040518	23.125	051	1	6.1.0	Rel-6	Add a definition of TPF/CRF instance	approved	B	6.2.0	CH
SP-040518	23.125	055	-	6.1.0	Rel-6	Allowing specific charging rule selection for dedicated IMS signalling PDP contexts	approved	F	6.2.0	CH
SP-040518	23.125	056	2	6.1.0	Rel-6	Application Function Tag	approved	B	6.2.0	CH
SP-040518	23.125	059	2	6.1.0	Rel-6	Clarification on precedence of charging rules	approved	B	6.2.0	CH
SP-040518	23.125	060	2	6.1.0	Rel-6	Rx/Gx functions and SBLP usage in IMS Charging	approved	B	6.2.0	CH
SP-040518	23.125	061	2	6.1.0	Rel-6	Policy control functions provided by FBC	approved	B	6.2.0	CH
SP-040518	23.125	063	2	6.1.0	Rel-6	Clarification of pre-defined charging rules	approved	F	6.2.0	CH
SP-040518	23.125	064	-	6.1.0	Rel-6	Clarification on charging rules	approved	F	6.2.0	CH
SP-040518	23.125	065	2	6.1.0	Rel-6	Traffic plane function behavior	approved	F	6.2.0	CH
SP-040518	23.125	066	2	6.1.0	Rel-6	Termination action	approved	F	6.2.0	CH
SP-040518	23.125	067	-	6.1.0	Rel-6	Re-authorization triggers	approved	F	6.2.0	CH
SP-040518	23.125	068	1	6.1.0	Rel-6	Gx reference point functions	approved	F	6.2.0	CH
SP-040518	23.125	069	2	6.1.0	Rel-6	Clarifications in message flows	approved	F	6.2.0	CH
SP-040518	23.125	070	2	6.1.0	Rel-6	Bearer service modification in case of online charging	approved	F	6.2.0	CH
SP-040518	23.125	071	2	6.1.0	Rel-6	Policy functions of FBC – update of Annex D	approved	F	6.2.0	CH
SP-040518	23.125	072	1	6.1.0	Rel-6	Removal of superfluous FFS notes	approved	D	6.2.0	CH
SP-040518	23.125	074	2	6.1.0	Rel-6	FBC Control	approved	C	6.2.0	CH
SP-040518	23.125	075	1	6.1.0	Rel-6	TPF performing no charging	approved	F	6.2.0	CH
SP-040519	23.141	070	-	6.6.0	Rel-6	Reference architecture update	approved	F	6.7.0	PRESNC
SP-040520	23.195	011	1	5.3.0	Rel-5	IMEISV obtaining for UEs supporting only UMTS radio access	approved	F	5.4.0	LATE_UE
SP-040521	23.207	084	1	6.3.0	Rel-6	SBLP and non-realtime PDP Contexts	approved	F	6.4.0	IMS2, QoS1
SP-040521	23.207	085	-	6.3.0	Rel-6	Generation of multiple tokens	approved	F	6.4.0	QoS1
SP-040522	23.221	050	-	5.10.0	Rel-5	Referencing TR 23.981	approved	F	5.11.0	IPv4IMS
SP-040523	23.228	415	1	6.6.0	Rel-6	Session based messaging size negotiation	approved	F	6.7.0	IMS2
SP-040523	23.228	437	-	6.6.0	Rel-6	Registration Requirement related to Application Server	approved	F	6.7.0	IMS2
SP-040523	23.228	438	1	6.6.0	Rel-6	Clarification to the Re-Registration procedure	approved	F	6.7.0	IMS2
SP-040523	23.228	439	-	6.6.0	Rel-6	IMS Emergency Services	approved	F	6.7.0	IMS2
SP-040523	23.228	440	1	6.6.0	Rel-6	Treatment of SIP forking request	approved	F	6.7.0	IMS2
SP-040523	23.228	441	1	6.6.0	Rel-6	Session based messaging release procedure	approved	F	6.7.0	IMS2
SP-040523	23.228	442	1	6.6.0	Rel-6	Generic signaling flow without preconditions	approved	F	6.7.0	IMS2
SP-040523	23.228	443	1	6.6.0	Rel-6	Session based messaging clean-up according latest version of IETF draft	approved	F	6.7.0	IMS2
SP-040523	23.228	444	-	6.6.0	Rel-6	Correction on precondition usage	approved	F	6.7.0	IMS2
SP-040523	23.228	445	1	6.6.0	Rel-6	Network control of PDP Context establishment for SBLP	approved	C	6.7.0	IMS2
SP-040524	23.234	033	3	6.1.0	Rel-6	WLAN Manual PLMN Network selection - CR	approved	F	6.2.0	WLAN
SP-040524	23.234	055	1	6.1.0	Rel-6	Cleanup of figure 7.4 in TS 23.234	approved	D	6.2.0	WLAN
SP-040524	23.234	058	1	6.1.0	Rel-6	Correction of mistakes and inaccurate descriptions in 23.234	approved	F	6.2.0	WLAN
SP-040524	23.234	061	1	6.1.0	Rel-6	Clarification on usage of 3GPP AAA server	approved	F	6.2.0	WLAN
SP-040524	23.234	063	4	6.1.0	Rel-6	Alignment of PLMN selection	approved	F	6.2.0	WLAN
SP-040524	23.234	064	1	6.1.0	Rel-6	Correction of Wa reference point functionality	approved	F	6.2.0	WLAN
SP-040524	23.234	065	1	6.1.0	Rel-6	Multiple WLAN connections	approved	F	6.2.0	WLAN
SP-040524	23.234	066	1	6.1.0	Rel-6	Introduction of the WLAN registration within tunnel establishment procedure	approved	F	6.2.0	WLAN
SP-040524	23.234	068	-	6.1.0	Rel-6	Editorial update of already agreed change in figure 6.2b	approved	F	6.2.0	WLAN
SP-040524	23.234	069	-	6.1.0	Rel-6	Removal of issue chapter in Annex F.	approved	D	6.2.0	WLAN
SP-040524	23.234	070	1	6.1.0	Rel-6	Clarification of NSAPI in Annex F.	approved	F	6.2.0	WLAN
SP-040524	23.234	071	1	6.1.0	Rel-6	CR on IMS over WLAN	approved	F	6.2.0	WLAN
SP-040524	23.234	072	3	6.1.0	Rel-6	Correction to temporary identity usage and reference	approved	F	6.2.0	WLAN
SP-040524	23.234	073	2	6.1.0	Rel-6	Correction to PDG Selection Mechanism	approved	F	6.2.0	WLAN
SP-040524	23.234	075	3	6.1.0	Rel-6	Correction to W-APN authorisation and PDG redirection Mechanism	approved	F	6.2.0	WLAN

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SP-040524	23.234	076	3	6.1.0	Rel-6	WLAN User Profile revision	approved	F	6.2.0	WLAN
SP-040524	23.234	077	3	6.1.0	Rel-6	Charging related data for 3GPP PS based services (WLAN 3GPP IP Access)	approved	F	6.2.0	WLAN
SP-040524	23.234	078	3	6.1.0	Rel-6	Static Remote IP address allocation	approved	F	6.2.0	WLAN
SP-040524	23.234	081	2	6.1.0	Rel-6	Storage of the AAA server IP address in HSS/HLR	approved	F	6.2.0	WLAN
SP-040525	23.240	024	1	6.4.0	Rel-6	Addition of missing security aspects	approved	F	6.5.0	GUP
SP-040526	23.246	076	2	6.3.0	Rel-6	MBMS Service Area definition	approved	F	6.4.0	MBMS
SP-040526	23.246	084	1	6.3.0	Rel-6	Use Correct SA4 MBMS User Service Specification	approved	D	6.4.0	MBMS
SP-040526	23.246	085	1	6.3.0	Rel-6	Clarification of BM-SC create MBMS UE Context	approved	F	6.4.0	MBMS
SP-040526	23.246	088	2	6.3.0	Rel-6	Separate Rendering of 2G and 3G Content for the Same Service	approved	F	6.4.0	MBMS
SP-040526	23.246	089	1	6.3.0	Rel-6	Remove SDU FFS in section 6.3 Quality of Service	approved	F	6.4.0	MBMS
SP-040526	23.246	092	2	6.3.0	Rel-6	Additional information needed in section 8.3 Session Start Message	approved	F	6.4.0	MBMS
SP-040526	23.246	093	2	6.3.0	Rel-6	Application Level Charging Mechanisms	approved	F	6.4.0	MBMS
SP-040526	23.246	094	1	6.3.0	Rel-6	MBMS Session Notification	approved	F	6.4.0	MBMS
SP-040526	23.246	095	-	6.3.0	Rel-6	Removing FFS from TS 23.246	approved	F	6.4.0	MBMS
SP-040526	23.246	097	-	6.3.0	Rel-6	Clarification of reference model	approved	F	6.4.0	MBMS
SP-040526	23.246	099	2	6.3.0	Rel-6	Service Context creation in RNC	approved	F	6.4.0	MBMS
SP-040526	23.246	101	-	6.3.0	Rel-6	Correction for error handling in MBMS multicast activation	approved	F	6.4.0	MBMS
SP-040526	23.246	103	1	6.3.0	Rel-6	MBMS BSC UE context and bearer plane	approved	F	6.4.0	MBMS
SP-040526	23.246	106	2	6.3.0	Rel-6	Allocation and retention priority for MBMS bearers	approved	F	6.4.0	MBMS
SP-040526	23.246	107	1	6.3.0	Rel-6	Merged CR 88 Separate Rendering of 2G and 3G Content for the Same Service, CR 90 Definition of Session Identity and CR92 Additional information needed in section 8.3 Session Start Message	approved	F	6.4.0	MBMS
SP-040527	23.251	002	1	6.0.0	Rel-6	Introduction of network sharing (non-)supporting UEs	approved	F	6.1.0	NTShar
SP-040527	23.251	003	1	6.0.0	Rel-6	Handling of system information in connected mode	approved	B	6.1.0	NTShar
SP-040527	23.251	004	1	6.0.0	Rel-6	Core network operator identity as part of LAI/RAI for supporting UEs	approved	B	6.1.0	NTShar
SP-040527	23.251	005	1	6.0.0	Rel-6	Indication of selected core network operator to the CN for supporting UEs	approved	B	6.1.0	NTShar
SP-040528	23.271	275	2	4.11.0	Rel-4	Corrections to NI-LR using Location Based Routing procedure	approved	F	4.12.0	LCS
SP-040528	23.271	276	2	5.11.0	Rel-5	Corrections to NI-LR using Location Based Routing procedure	approved	F	5.12.0	LCS1
SP-040528	23.271	277	2	6.8.0	Rel-6	Corrections to NI-LR using Location Based Routing procedure	approved	A	6.9.0	LCS2
SP-040528	23.271	278	1	6.8.0	Rel-6	Removal of erroneous sentence to NI-LR using Location Based Routing procedure	approved	F	6.9.0	LCS2
SP-040528	23.271	279	1	6.8.0	Rel-6	Usage of the expression country code in 23.271	approved	F	6.9.0	LCS
SP-040529	23.977	001	-	6.0.0	Rel-6	Editorials TR 23.977	approved	D	6.1.0	BARS
SP-040530	23.981	001	-	6.0.0	Rel-6	IPv4 access to multimedia services and Mb reference point	approved	F	6.1.0	IPv4IMS
SP-040530	23.981	002	1	6.0.0	Rel-5	Creating a Rel-5 version of TR 23.981	approved	B	5.0.0	IPv4IMS
SP-040530	23.981	003	1	6.0.0	Rel-6	Corrections to scenario – IPv4 visited and IPv6 home	approved	F	6.1.0	IPv4IMS

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040627	33.102	187	-	5.4.0	Rel-5	Correction to mis-implementation of CR175: Rel4- definition	approved	F	5.5.0	SEC1
SP-040627	33.102	188	-	6.1.0	Rel-6	Correction to mis-implementation of CR175: Rel4- definition	approved	A	6.2.0	SEC1
SP-040616	33.107	044	-	6.2.0	Rel-6	Correction on the use of session initiator parameter	approved	F	6.3.0	SEC1-LI
SP-040616	33.107	045	-	6.2.0	Rel-6	ICE (Intercepting Control Elements), INE (Intercepting Network Elements) definition	approved	F	6.3.0	SEC1-LI
SP-040616	33.107	046	-	6.2.0	Rel-6	Clarification to SMS interception	approved	F	6.3.0	SEC1-LI
SP-040616	33.107	047	-	6.2.0	Rel-6	Replace SIP URL with SIP URI	approved	F	6.3.0	SEC1-LI

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SP-040616	33.108	050	-	6.6.0	Rel-6	Explanation concerning the Sequence Number	approved	F	6.7.0	SEC1-LI
SP-040616	33.108	051	-	6.6.0	Rel-6	National ASN.1 parameter	approved	B	6.7.0	SEC1-LI
SP-040616	33.108	052	-	6.6.0	Rel-6	Clarifying clause titles	approved	D	6.7.0	SEC1-LI
SP-040616	33.108	053	-	6.6.0	Rel-6	Adding azimuth in location	approved	B	6.7.0	SEC1-LI
SP-040616	33.108	054	-	6.6.0	Rel-6	Correction of the Subaddressing definitions	approved	C	6.7.0	SEC1-LI
SP-040616	33.108	055	-	6.6.0	Rel-6	Correction to hi3DomainId definition	revised	F		SEC1-LI
SP-040685	33.108	055	1	6.6.0	Rel-6	Correction to hi3DomainId definition	approved	F	6.7.0	SEC1-LI
SP-040616	33.108	056	-	6.6.0	Rel-6	Correction of wrong use of abbreviations	approved	D	6.7.0	SEC1-LI
SP-040616	33.108	057	-	6.6.0	Rel-6	Differences between subaddress sections in 33.108 and ETSI TS 101 671	approved	C	6.7.0	SEC1-LI
SP-040616	33.108	058	-	6.6.0	Rel-6	Replace SIP URL with SIP URI	approved	F	6.7.0	SEC1-LI
SP-040616	33.108	059	-	6.6.0	Rel-6	Corrections to References	approved	F	6.7.0	SEC1-LI
SP-040617	33.141	001	-	6.0.0	Rel-6	ISIM used in GBA	approved	C	6.1.0	PRESNC
SP-040617	33.141	002	-	6.0.0	Rel-6	Further modifications to TLS profile related text in 33.141	approved	F	6.1.0	PRESNC
SP-040617	33.141	003	-	6.0.0	Rel-6	Editorial cleanup of TS 33.141	approved	D	6.1.0	PRESNC
SP-040617	33.141	004	-	6.0.0	Rel-6	Clarification on Ut interface	approved	F	6.1.0	PRESNC
SP-040618	33.203	068	-	5.8.0	Rel-5	Deletion of old authentication vectors in S-CSCF after re-synchronization	approved	F	5.9.0	IMS-ASEC
SP-040618	33.203	069	-	6.3.0	Rel-6	Deletion of old authentication vectors in S-CSCF after re-synchronization	approved	A	6.4.0	IMS-ASEC
SP-040618	33.203	070	-	6.3.0	Rel-6	Forwards compatibility to TLS based access security	postponed	F		IMS-ASEC
SP-040618	33.203	071	-	6.3.0	Rel-6	SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network	approved	F	6.4.0	IMS-ASEC
SP-040618	33.203	072	-	6.3.0	Rel-6	IMS Service Profile is independent from Implicit Registration Set	approved	F	6.4.0	IMS-ASEC
SP-040619	33.220	010	-	6.1.0	Rel-6	Detailing of key lifetime	approved	F	6.2.0	SEC1-SC
SP-040619	33.220	011	-	6.1.0	Rel-6	Details of USIM/ISIM usage in GAA	approved	C	6.2.0	SEC1-SC
SP-040619	33.220	012	-	6.1.0	Rel-6	Generic Ua interface requirements	approved	C	6.2.0	SEC1-SC
SP-040619	33.220	013	-	6.1.0	Rel-6	B-TID generation	approved	C	6.2.0	SEC1-SC
SP-040619	33.220	014	-	6.1.0	Rel-6	Securing Zn reference point	approved	C	6.2.0	SEC1-SC
SP-040619	33.220	015	-	6.1.0	Rel-6	GBA User Security Settings	approved	F	6.2.0	SEC1-SC
SP-040619	33.220	016	-	6.1.0	Rel-6	Creation of GBA_U AV in the BSF	approved	B	6.2.0	SEC1-SC
SP-040619	33.220	017	-	6.1.0	Rel-6	Clarification of the definition of a default type of NAF-specific key	approved	D	6.2.0	SEC1-SC
SP-040620	33.221	001	-	6.0.0	Rel-6	User security settings	approved	D	6.1.0	SEC1-SC
SP-040620	33.221	002	-	6.0.0	Rel-6	Editorial cleanup	approved	D	6.1.0	SEC1-SC
SP-040620	33.221	003	-	6.0.0	Rel-6	Cleanup of procedure descriptions	approved	F	6.1.0	SEC1-SC
SP-040620	33.221	004	-	6.0.0	Rel-6	Removal of unnecessary editor's notes	approved	F	6.1.0	SEC1-SC
SP-040621	33.222	001	-	6.0.0	Rel-6	GBA User Security Settings	approved	D	6.1.0	SEC1-SC
SP-040621	33.222	002	-	6.0.0	Rel-6	GBA supported indication and NAF hostname transfer in HTTP and in PSK TLS	approved	C	6.1.0	SEC1-SC
SP-040621	33.222	003	-	6.0.0	Rel-6	Editorial clean-up of TS 33.222	approved	D	6.1.0	SEC1-SC
SP-040621	33.222	004	-	6.0.0	Rel-6	Further modifications to TLS profile related text in 33.222	approved	F	6.1.0	SEC1-SC
SP-040622	33.234	010	-	6.1.0	Rel-6	Update referece to RFC3748 "Extensible Authentication Protocol (EAP)"	approved	F	6.2.0	WLAN
SP-040622	33.234	011	-	6.1.0	Rel-6	References update	approved	F	6.2.0	WLAN
SP-040622	33.234	012	-	6.1.0	Rel-6	Sending of temporary identities from WLAN UE	approved	F	6.2.0	WLAN
SP-040622	33.234	013	-	6.1.0	Rel-6	Clarification on fast re-authentication procedure	approved	F	6.2.0	WLAN
SP-040622	33.234	014	-	6.1.0	Rel-6	Correction of authentication procedure for WLAN UE split	approved	F	6.2.0	WLAN
SP-040622	33.234	015	-	6.1.0	Rel-6	Modification of mechanism to restrict simultaneous WLAN sessions	approved	C	6.2.0	WLAN
SP-040622	33.234	016	-	6.1.0	Rel-6	Wa interface security	approved	C	6.2.0	WLAN
SP-040622	33.234	017	-	6.1.0	Rel-6	Introduction of protected result indications	approved	F	6.2.0	WLAN
SP-040622	33.234	018	-	6.1.0	Rel-6	Tunnel authentication procedure in Wm interface	approved	F	6.2.0	WLAN
SP-040623	33.310	004	-	6.1.0	Rel-6	Splitting the Roaming CA into a SEG CA and an Interconnection CA	approved	C	6.2.0	SEC1-NDS-AF
SP-040615	43.020	001	-	5.0.0	Rel-6	Introducing VGCS/VBS ciphering	approved	B	6.0.0	SECGKYV

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040644	26.101	009	2	5.0.0	Rel-6	Generic Frame Structure for GSM-EFR SID	approved	F	6.0.0	TrFO
SP-040644	26.101	010	1	5.0.0	Rel-6	Error Corrections	approved	F	6.0.0	TrFO
SP-040645	26.102	016	1	5.2.0	Rel-6	Mapping of GSM_EFR SID on Nb Interface	approved	F	6.0.0	TrFO
SP-040646	26.103	023	2	5.4.0	Rel-6	Harmonisation of AMR Configurations	approved	C	6.0.0	TEI6
SP-040646	26.103	024	2	5.4.0	Rel-5	Codec Identifier (CoID) for the telephone-event	rejected	F		IMS-CODEC
SP-040646	26.103	025	1	5.4.0	Rel-6	Error Fixes	approved	F	6.0.0	TrFO
SP-040646	26.103	028	1	5.4.0	Rel-5	Correction of Size and Reference of MuMe Codec	approved	F	5.5.0	SCUDIF
SP-040646	26.103	029	1	5.4.0	Rel-6	Correction of Size and Reference of MuMe Codec	approved	A	6.0.0	SCUDIF
SP-040659	26.111	010	3	5.1.0	Rel-6	3G-324M Improvements	approved	B	6.0.0	3G-324MI
SP-040648	26.111	011	1	5.1.0	Rel-6	3G-324M Improvements: addition of optional AMR-WB support	approved	B	6.0.0	3G-324MI
SP-040649	26.131	022	-	5.2.0	Rel-6	Change of sending distortion requirement	approved	C	6.0.0	TEI6
SP-040649	26.132	028	-	5.4.0	Rel-6	Change of sending distortion test case	approved	C	6.0.0	TEI6
SP-040641	26.140	004	2	5.2.0	Rel-6	Introduction of Extended AMR-WB into MMS service	rejected	C		MMS6-Codec
SP-040641	26.140	005	2	5.2.0	Rel-6	Introduction of Enhanced aacPlus into MMS service	rejected	C		MMS6-Codec
SP-040641	26.140	006	2	5.2.0	Rel-6	Introduction of Extended AMR-WB and Enhanced aacPlus into MMS service	approved	C	6.0.0	MMS6-Codec
SP-040650	26.140	007	1	5.2.0	Rel-6	Update of MMS codecs and formats with Release 6 functionality	approved	B	6.0.0	MMS6-Codec
SP-040655	26.140	008	1	5.2.0	Rel-6	Update of MMS codecs and formats with H.264	approved	B	6.0.0	MMS6-Codec
SP-040651	26.233	005	1	5.0.0	Rel-6	Addition of Release 6 functionality	approved	B	6.0.0	PSSrel6-Stage3
SP-040652	26.234	070	1	6.0.0	Rel-6	Additional Release-6 updates to PSS Protocols and codecs	approved	B	6.1.0	PSSrel6-Stage3
SP-040642	26.234	072	1	6.0.0	Rel-6	Introduction of Enhanced aacPlus into PSS service	rejected	C		PSSrel6-Stage3
SP-040642	26.234	073	1	6.0.0	Rel-6	Introduction of Extended AMR-WB into PSS service	rejected	C		PSSrel6-Stage3
SP-040642	26.234	074	1	6.0.0	Rel-6	Introduction of Extended AMR-WB and Enhanced aacPlus into PSS service	approved	C	6.1.0	PSSrel6-Stage3
SP-040656	26.234	075	1	6.0.0	Rel-6	Introduction of the H.264 (AVC) video codec into the PSS service	approved	B	6.1.0	PSSrel6-Stage3
SP-040653	26.235	007	1	6.1.0	Rel-6	Language improvement and alignment	approved	D	6.2.0	TEI6
SP-040658	26.235	008	1	6.1.0	Rel-6	Introduction of the H.264 video codec into packet-switched conversational services	approved	B	6.2.0	CEPSCM
SP-040653	26.235	009	-	6.1.0	Rel-6	Support for 128 kbps video in the packet-switched conversational services	approved	B	6.2.0	CEPSCM
SP-040643	26.244	002	1	6.0.0	Rel-6	Storage of AMR-WB+ audio in 3GP files	approved	B	6.1.0	PSSrel6-Stage3
SP-040654	26.244	003	-	6.0.0	Rel-6	Additional Release 6 update to 3GP file format	approved	B	6.1.0	PSSrel6-Stage3
SP-040657	26.244	004	1	6.0.0	Rel-6	Storage of H.264 (AVC) video in 3GP files	approved	B	6.1.0	PSSrel6-Stage3
SP-040643	26.244	005	1	6.0.0	Rel-6	Storage of Enhanced aacPlus audio in 3GP files	approved	B	6.1.0	PSSrel6-Stage3
SP-040660	26.911	014	3	5.1.0	Rel-6	3G-324M Improvements	approved	B	6.0.0	3G-324MI
SP-040647	28.062	041	2	5.4.0	Rel-6	Harmonisation of AMR Configurations	approved	C	6.0.0	TEI6

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040572	32.104	014	-	3.8.0	R99	Correction of measObjInstId length limitations in the Measurement Report File Format	approved	F	3.9.0	OAM-PM
SP-040560	32.111-2	031	-	6.1.0	Rel-6	Add more definition of MonitoredEntity IOC to clarify the scope of it and rule for alarm mapping	approved	B	6.2.0	OAM-NIM
SP-040561	32.111-4	027	-	5.7.1	Rel-5	Align with the IS 32.111-2 the possibility to apply filters to notification parameters	approved	F	5.8.0	OAM-NIM
SP-040561	32.111-4	028	-	6.1.0	Rel-6	Align with the IS 32.111-2 the possibility to apply filters to notification parameters	approved	A	6.2.0	OAM-NIM
SP-040559	32.150	001	-	6.0.0	Rel-6	Add Style Guide for CORBA SS IDL	approved	B	6.1.0	OAM-NIM
SP-040548	32.205	027	-	5.7.0	Rel-5	Inclusion of UTRAN positioning data parameter – Align with 29.002 CR 710	approved	F	5.8.0	OAM-CH
SP-040548	32.215	036	-	5.6.0	Rel-5	Inclusion of UTRAN positioning data parameter – Align with 29.002 CR 710	approved	F	5.7.0	OAM-CH
SP-040549	32.250	001	-	6.0.0	Rel-6	Add missing charging principles for CAMEL CPH – Align with CN2's 23.078	approved	F	6.1.0	CH-BC
SP-040562	32.303	012	-	6.0.0	Rel-6	Update 32.303 using IDL Style Guide	approved	F	6.1.0	OAM-NIM
SP-040572	32.401	016	-	4.4.0	Rel-4	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	F	4.5.0	OAM-PM
SP-040572	32.401	017	-	5.3.0	Rel-5	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	A	5.4.0	OAM-PM
SP-040572	32.401	018	-	6.2.0	Rel-6	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	A	6.3.0	OAM-PM
SP-040573	32.401	019	-	6.2.0	Rel-6	Removal of XML DTD file format definitions	approved	C	6.3.0	OAM-PM
SP-040573	32.401	020	-	6.2.0	Rel-6	Add jobId in PM file name	approved	B	6.3.0	OAM-PM
SP-040574	32.403	040	-	6.4.0	Rel-6	Restructure clauses 5 and 6 to follow the style of other clauses related to UTRAN measurements for extensibility	approved	D	6.5.0	OAM-PM
SP-040574	32.403	041	-	6.4.0	Rel-6	Add measurements about Mobility Management	approved	B	6.5.0	OAM-PM
SP-040574	32.403	042	-	6.4.0	Rel-6	Add mesurements about “PDP context activation procedures initiated by Network”	approved	B	6.5.0	OAM-PM
SP-040574	32.403	043	-	6.4.0	Rel-6	Add measurements about relocation	approved	B	6.5.0	OAM-PM
SP-040574	32.403	044	-	6.4.0	Rel-6	Change of the mesurements about “SRNS Relocation”	approved	C	6.5.0	OAM-PM
SP-040574	32.403	045	-	6.4.0	Rel-6	Split measurements about successful PDP context deactivation	approved	C	6.5.0	OAM-PM
SP-040575	32.403	046	-	4.7.0	Rel-4	Correction of “Mobility Management” GPRS attach measurement definitions	approved	F	4.8.0	OAM-PM
SP-040575	32.403	047	-	5.7.0	Rel-5	Correction of “Mobility Management” GPRS attach measurement definitions	approved	A	5.8.0	OAM-PM
SP-040575	32.403	048	-	6.4.0	Rel-6	Correction of “Mobility Management” GPRS attach measurement definitions	approved	A	6.5.0	OAM-PM
SP-040576	32.403	049	-	5.7.0	Rel-5	Correction of measurement about “Failed PDP context activation procedures initiated by Network”	rejected	F		OAM-PM
SP-040576	32.403	050	-	6.4.0	Rel-6	Correction of measurement about “Failed PDP context activation procedures initiated by Network”	rejected	A		OAM-PM
SP-040577	32.403	051	-	4.7.0	Rel-4	Add missing Measurement Name Length constraints	rejected	F		OAM-PM
SP-040577	32.403	052	-	5.7.0	Rel-5	Add missing Measurement Name Length constraints	approved	F	5.8.0	OAM-PM
SP-040577	32.403	053	-	6.4.0	Rel-6	Add missing Measurement Name Length constraints	approved	A	6.5.0	OAM-PM
SP-040558	32.412	003	-	6.1.0	Rel-6	Add Measurement Job Overload Management function	approved	B	6.2.0	OAM-PM
SP-040557	32.412	004	-	6.1.0	Rel-6	Align threshold alarm trigger to the definition in 32.411	approved	F	6.2.0	OAM-PM
SP-040556	32.412	005	-	6.1.0	Rel-6	Extend the scope of ManagedEntity IOC to support collecting and monitoring measurement types related to vendor specific IOCs	approved	B	6.2.0	OAM-PM
SP-040556	32.412	006	-	6.1.0	Rel-6	Add definition of post condition for operation suspendMeasurementJob	approved	F	6.2.0	OAM-PM
SP-040557	32.413	002	-	6.1.0	Rel-6	Align to latest PM IRP Information Service (IS) 32.412 version number	approved	F	6.2.0	OAM-PM
SP-040558	32.413	003	-	6.1.0	Rel-6	Add Measurement Job Overload Management function – Align with 32.412	approved	B	6.2.0	OAM-PM
SP-040542	32.421	004	-	6.3.0	Rel-6	Removal of GERAN from Rel-6 32.42x series of Trace specifications	approved	F	6.4.0	OAM-Trace
SP-040567	32.603	011	-	5.2.0	Rel-5	Removal of Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM
SP-040567	32.603	012	-	6.0.0	Rel-6	Removal of Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	A	6.1.0	OAM-NIM
SP-040566	32.603	013	-	5.2.0	Rel-5	Removal of unused/duplicate definition of types MOReference and MOReferenceSet	approved	F	5.3.0	OAM-NIM

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SP-040566	32.603	014	-	6.0.0	Rel-6	Removal of unused/duplicate definition of types MOReference and MOReferenceSet	approved	A	6.1.0	OAM-NIM
SP-040571	32.611	003	-	6.0.0	Rel-6	Enhancements to Bulk CM IRP for Security	approved	B	6.1.0	OAM-NIM
SP-040582	32.622	019	-	5.4.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.5.0	OAM-NIM
SP-040567	32.623	012	-	5.3.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.4.0	OAM-NIM
SP-040567	32.623	013	-	6.2.0	Rel-6	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	A	6.3.0	OAM-NIM
SP-040581	32.623	014	-	6.2.0	Rel-6	Add missing Inheritance in CORBA IDL	approved	F	6.3.0	OAM-NIM
SP-040582	32.632	011	-	5.5.0	Rel-5	Correction of modelling of Media GateWay (MGW) and of Class diagrams with respect to MSC and MGW functions	approved	F	5.6.0	OAM-NIM
SP-040567	32.633	004	-	5.1.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.2.0	OAM-NIM
SP-040582	32.633	005	-	5.1.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.2.0	OAM-NIM
SP-040581	32.633	006	-	5.1.0	Rel-6	Add Inheritance in CORBA IDL	approved	B	6.0.0	OAM-NIM
SP-040582	32.634	005	-	5.2.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.3.0	OAM-NIM
SP-040591	32.634	006	-	5.2.0	Rel-5	Removal of the 3GPP Release# cross references in the GDMO section	approved	F	5.3.0	OAM-NIM
SP-040583	32.635	006	-	5.3.0	Rel-5	Add missing elements in the Core Network XML file format definition	approved	F	5.4.0	OAM-NIM
SP-040582	32.635	007	-	5.3.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.4.0	OAM-NIM
SP-040584	32.642	022	-	6.1.0	Rel-6	Add support for the state change notification in UTRAN network resources IRP NRM	approved	B	6.2.0	OAM-NIM
SP-040595	32.642	023	-	6.1.0	Rel-6	Include ATM in CM UTRAN network resources IRP NRM	approved	B	6.2.0	OAM-NIM
SP-040585	32.642	024	-	4.4.0	Rel-4	Align with the IRP IS template in 32.102 Telecommunication management; Architecture	rejected	F		OAM-CM
SP-040585	32.642	025	-	5.4.0	Rel-5	Align with the IRP IS template in 32.102 Telecommunication management; Architecture	approved	A	5.5.0	OAM-NIM
SP-040585	32.642	026	-	6.1.0	Rel-6	Align with the IRP IS template (32.151) and IRP IS UML repertoire (32.152)	approved	F	6.2.0	OAM-NIM
SP-040587	32.642	027	-	6.1.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna	approved	B	6.2.0	OAM-NIM
SP-040589	32.643	010	-	5.3.0	Rel-5	Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM	approved	F	5.4.0	OAM-NIM
SP-040589	32.643	011	-	6.1.0	Rel-6	Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM	approved	A	6.2.0	OAM-NIM
SP-040595	32.643	012	-	6.1.0	Rel-6	Include ATM in CM UTRAN network resources IRP CORBA Solution Set	approved	B	6.2.0	OAM-NIM
SP-040590	32.643	013	-	6.1.0	Rel-6	Correct the definintions in the “CellModeEnumType” and “TimeSlotStatusType”	approved	F	6.2.0	OAM-NIM
SP-040586	32.643	014	-	5.3.0	Rel-5	Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM	approved	F	5.4.0	OAM-NIM
SP-040586	32.643	015	-	6.1.0	Rel-6	Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM	approved	A	6.2.0	OAM-NIM
SP-040587	32.643	016	-	6.1.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna to CORBA IDL and Add Inheritance	approved	B	6.2.0	OAM-NIM
SP-040591	32.644	014	-	5.5.0	Rel-5	Correction of the types of the attributes cId, localCellId and rncId	approved	F	5.6.0	OAM-NIM
SP-040592	32.645	012	-	5.5.0	Rel-5	Correction of the XML code – Reinsertion of “targetNamespace=”	approved	F	5.6.0	OAM-NIM
SP-040592	32.645	013	-	6.0.0	Rel-6	Correction of the XML code – Reinsertion of the closing tag	approved	F	6.1.0	OAM-NIM
SP-040595	32.645	014	-	6.0.0	Rel-6	Include ATM in CM UTRAN network resources IRP XML Schema definition	approved	B	6.1.0	OAM-NIM
SP-040587	32.645	015	-	6.0.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna to the Bulk CM XSD file	approved	B	6.1.0	OAM-NIM
SP-040584	32.652	018	-	5.3.0	Rel-6	Add support for the state change notification in GERAN network resources IRP NRM	approved	B	6.0.0	OAM-NIM
SP-040593	32.653	007	-	5.2.0	Rel-5	Add the operationalState to the BtsSiteMgr – Align the CORBA SS with 32.652 CM; GERAN network resources IRP NRM	approved	F	5.3.0	OAM-NIM
SP-040567	32.653	008	-	5.2.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM
SP-040581	32.653	009	-	5.2.0	Rel-6	Add Inheritance in CORBA IDL	approved	B	6.0.0	OAM-NIM
SP-040593	32.654	010	-	5.4.0	Rel-6	Add the state change notification to the MOC btsSiteMgr – Align the CMIP SS with 32.652 CM; GERAN network resourcesIRP NRM	approved	B	6.0.0	OAM-NIM
SP-040594	32.655	010	-	5.5.0	Rel-5	Correction of the XML code – Reinsertion of “targetNamespace=”	approved	F	5.6.0	OAM-NIM
SP-040567	32.663	005	-	5.2.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM
SP-040568	32.663	006	-	5.2.0	Rel-5	Add missing DN definition	approved	F	5.3.0	OAM-NIM
SP-040568	32.663	007	-	6.1.0	Rel-6	Add missing DN definition	approved	A	6.2.0	OAM-NIM

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SP-040568	32.663	008	-	5.2.0	Rel-5	Add missing IDL for get_kernel_CM_IRP_versions	approved	F	5.3.0	OAM-NIM
SP-040568	32.663	009	-	6.1.0	Rel-6	Add missing IDL for get_kernel_CM_IRP_versions	approved	A	6.2.0	OAM-NIM
SP-040569	32.663	010	-	6.1.0	Rel-6	Add State Management Support to Kernel CM IRP CORBA SS	approved	B	6.2.0	OAM-NIM
SP-040570	32.664	003	-	6.1.0	Rel-6	Add State Management support to Kernel CM IRP CMIP SS	approved	B	6.2.0	OAM-NIM
SP-040588	32.673	002	-	5.1.0	Rel-5	Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service	approved	F	5.2.0	OAM-NIM
SP-040588	32.673	003	-	6.0.0	Rel-6	Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service	approved	A	6.1.0	OAM-NIM
SP-040569	32.673	004	-	6.0.0	Rel-6	Provide constant definitions to support state change events	approved	B	6.1.0	OAM-NIM

E.6 CRs direct to TSG SA#25

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI
SP-040604	01.01	022	-	8.13.0	R99	Corrections to list of specifications	approved	F	8.14.0	TEI
SP-040499	21.900	021	2	6.2.0	Rel-6	Introduction of “Early Implementation” process	revised	B		TEI6
SP-040705	21.900	021	3	6.2.0	Rel-6	Introduction of “Early Implementation” process	approved	B	6.3.0	TEI6
SP-040605	21.900	022	1	6.2.0	Rel-6	From draft to change control in one easy move	rejected	F		TEI6
SP-040605	21.900	023	1	6.2.0	Rel-6	WI code to be shown on CR sets changing similar functionality in several Releases	rejected	F		TEI6
SP-040706	21.900	024	-	6.2.0	Rel-6	Improved tracking of work item status	approved	B	6.3.0	TEI6
SP-040604	41.101	006	-	4.11.0	Rel-4	Corrections to list of specifications	approved	F	4.12.0	TEI4
SP-040604	41.101	007	-	5.7.0	Rel-5	Corrections to list of specifications	approved	F	5.8.0	TEI5

Annex F: Status of all 3GPP CRs after TSG SA #25 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
SP-040604	01.01	022	-	8.13.0	R99	Corrections to list of specifications	approved	F	8.14.0	TEI	SP
NP-040373	03.68	A039	1	8.3.0	R99	Correction on notification for first talker of VGCS call	approved	F	8.4.0	ASCI	N1
NP-040373	03.69	A028	1	8.3.0	R99	Correction on notification procedures for Originator of VBS call	approved	F	8.4.0	ASCI	N1
TP-040179	11.10-4	A072	-	8.8.0	R99	Clarification of call hang up in 27.22.4.5 Play Tone	approved	F	8.9.0	TEI	T3
TP-040179	11.10-4	A073	-	8.8.0	R99	Essential corrections	approved	F	8.9.0	TEI	T3
TP-040179	11.10-4	A074	-	8.8.0	R99	Removal of misleading comment from Refresh SIM Reset tests	approved	F	8.9.0	TEI	T3
TP-040179	11.10-4	A075	-	8.8.0	R99	Correction of poll interval related tests	approved	F	8.9.0	TEI	T3
TP-040179	11.10-4	A076	-	8.8.0	R99	Essential corrections of Event Download test cases	approved	F	8.9.0	TEI	T3
TP-040189	11.14	A220	-	8.16.0	R99	Correction of possible terminal response versus proactive commands in relation to the display of icons	approved	F	8.17.0	TEI	T3
TP-040189	11.14	A221	-	8.16.0	R99	Essential corrections in content and coding of BC Repeat indicator	approved	F	8.17.0	TEI	T3
SP-040499	21.900	021	2	6.2.0	Rel-6	Introduction of “Early Implementation” process	revised	B		TEI6	SP
SP-040705	21.900	021	3	6.2.0	Rel-6	Introduction of “Early Implementation” process	approved	B	6.3.0	TEI6	SP
SP-040605	21.900	022	1	6.2.0	Rel-6	From draft to change control in one easy move	rejected	F		TEI6	SP
SP-040605	21.900	023	1	6.2.0	Rel-6	WI code to be shown on CR sets changing similar functionality in several Releases	rejected	F		TEI6	SP
SP-040706	21.900	024	-	6.2.0	Rel-6	Improved tracking of work item status	approved	B	6.3.0	TEI6	SP
SP-040510	22.038	023	-	7.0.0	Rel-7	Enhance the USAT MMS presentation	revised	B		UEM MS	S1
SP-040679	22.038	023	1	7.0.0	Rel-7	Enhance the USAT MMS presentation	approved	A	7.1.0	UEM MS	S1
SP-040679	22.038	024	-	6.2.0	Rel-6	Enhance the USAT MMS presentation	approved	B	6.3.0	UEM MS	S1
SP-040503	22.078	175	-	6.5.0	Rel-6	Location Retrieval for MT call handling	approved	F	6.6.0	TEI6	S1
SP-040503	22.078	176	-	7.0.0	Rel-7	Location Retrieval for MT call handling	approved	A	7.1.0	TEI6	S1
SP-040689	22.078	177	-	6.5.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL	withdrawn	B		TEI6	S1
SP-040689	22.078	177	-	6.5.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL	approved	B	6.6.0	TEI6	S1
SP-040689	22.078	178	-	7.0.0	Rel-7	Support of User-to-User Information (UUI) in CAMEL	approved	A	7.1.0	TEI6	S1
SP-040504	22.146	044	-	6.5.0	Rel-6	Rel-6 removal of notification requirement while receiveing PS or CS services	approved	F	6.6.0	MBMS	S1
SP-040504	22.146	045	-	6.5.0	Rel-6	Key management priority for MBMS services	revised	F		MBMS	S1
SP-040680	22.146	045	1	6.5.0	Rel-6	Key management priority for MBMS services	withdrawn	F		MBMS	S1
SP-040696	22.146	045	1	6.5.0	Rel-6	Key management priority for MBMS services	approved	F	6.6.0	MBMS	S1
SP-040511	22.228	025	-	6.6.0	Rel-7	Requirements for the handling of SIP URIs with Presence or IM prefixes	approved	B	7.0.0	IMIMS 2	S1
SP-040506	22.234	005	-	6.1.0	Rel-6	Clarification to WLAN PLMN Selection	approved	F	6.2.0	WLAN	S1
SP-040506	22.234	006	-	6.1.0	Rel-6	Use of the SSID List at WLAN PLMN Selection	approved	F	6.2.0	WLAN	S1
SP-040506	22.234	007	-	6.1.0	Rel-6	Clarification of Interworking between PLMN and WLANs clause 5.1.7.1	approved	F	6.2.0	WLAN	S1
SP-040506	22.234	008	-	6.1.0	Rel-6	Clarification of the relationship between different levels of WLAN interworking	approved	F	6.2.0	WLAN	S1
SP-040506	22.234	009	-	6.1.0	Rel-6	Clarification on the WLAN identities lists for I-WLAN selection	approved	F	6.2.0	WLAN	S1
SP-040507	22.240	006	-	6.3.0	Rel-6	GUP, UE requirements corrections	approved	F	6.4.0	GUP	S1
SP-040505	22.246	005	-	6.1.0	Rel-6	Minor corrections to TS 22.246 (MBMS User Services)	approved	D	6.2.0	MBMS	S1
NP-040414	23.003	089	1	6.3.0	Rel-6	Background of and procedures for the ".3gppnetwork.org" domain name	approved	B	6.4.0	TEI6	N4
NP-040413	23.003	090	2	6.3.0	Rel-6	Decorated NAI	approved	B	6.4.0	WLAN	N4
NP-040413	23.003	091	1	6.3.0	Rel-6	Introduction of re-authentication identity	approved	B	6.4.0	WLAN	N4
NP-040402	23.007	012	-	6.0.0	Rel-6	Error Indication during an ongoing MBMS data transfer	approved	F	6.1.0	MBMS	N4

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NP-040402	23.007	013	-	6.0.0	Rel-6	Restoration of GSNs in MBMS	approved	F	6.1.0	MBMS	N4
NP-040415	23.008	133	3	6.2.0	Rel-6	GAA Domain Data structure	approved	B	6.3.0	SEC1-SC	N4
NP-040414	23.012	016	1	6.1.0	Rel-6	Clarification of the Automatic Device Detection feature	approved	F	6.2.0	TEI6	N4
NP-040407	23.018	141	1	6.2.0	Rel-6	Pre-Paging Resource Optimization	approved	B	6.3.0	TEI6	N4
NP-040406	23.018	143	1	6.2.0	Rel-6	Add “CAMEL_Stop_TNRy”in Procedure OG_Call_Setup _MSC (sheet 4)	approved	F	6.3.0	TEI6	N4
SP-040517	23.060	504	2	6.5.0	Rel-6	Correction to the Network-Requested PDP Context Activation Procedure	approved	F	6.6.0	TEI	S2
SP-040517	23.060	506	1	6.5.0	Rel-6	Correction to the PCO defination	approved	D	6.6.0	TEI	S2
SP-040517	23.060	507	-	5.8.0	Rel-5	Correction for DTM	approved	F	5.9.0	TEI	S2
SP-040517	23.060	508	-	6.5.0	Rel-6	Correction for DTM	approved	A	6.6.0	TEI	S2
SP-040517	23.060	510	1	6.5.0	Rel-6	Introduction of Network Sharing	approved	B	6.6.0	NTSh ar	S2
NP-040405	23.078	729	2	6.2.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL InitialDP operation	approved	B	6.3.0	TEI6	N4
NP-040406	23.078	730	1	6.2.0	Rel-6	Editorial correction	approved	D	6.3.0	TEI6	N4
NP-040406	23.078	731	-	6.2.0	Rel-6	Correcting status in the procedure CAME_MT_CTR(sheet 4)	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	732	-	6.2.0	Rel-6	Redundantly modifying call parameter in CAMEL_MT_GMSC_Notify_CF	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	733	-	6.2.0	Rel-6	Correcting SDL of Process CS_gsmSSF(sheet 7)	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	735	2	6.2.0	Rel-6	Appended a note in Process CAMEL_ICA_MSC	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	737	-	6.2.0	Rel-6	Correction to CAP SCI for calls with multiple CAP dialogues	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	738	-	6.2.0	Rel-6	Correction to ICA_MSC1 and CAMEL_ICA_MSC2	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	739	-	6.2.0	Rel-6	Removal of Int_O_Exception from CAMEL_OCH_MSC2 and CAMEL_MT_GMSC_DISC5	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	740	-	6.2.0	Rel-6	Correction to CAMEL_Modify_CUG_Info	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	741	-	6.2.0	Rel-6	Correction to CAMEL_EXPORT_LEG_MSC procedure	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	743	-	6.2.0	Rel-6	Correction to CS_gsmSSF for EDS	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	744	-	6.2.0	Rel-6	Correction to CS_gsmSSF for Tcp expiry	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	745	-	6.2.0	Rel-6	Correction to Handle_ACR procedure for Tccd timer	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	747	-	6.2.0	Rel-6	Correction to any Time Interrogation	approved	F	6.3.0	TEI6	N4
NP-040406	23.078	748	2	6.2.0	Rel-6	Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption	postponed	F		TEI6	N4
NP-040406	23.081	008	-	5.2.0	Rel-6	Editorial correction of table definition	approved	F	6.0.0	TEI6	N4
NP-040375	23.122	076	2	6.1.0	Rel-6	Clarification on the registered PLMN for UEs that support network sharing in a shared network	approved	B	6.2.0	NTSh ar	N1
NP-040378	23.122	077	1	6.1.0	Rel-6	Correction of definitions of PLMNs in the same country HPLMN"	approved	A	6.2.0	TEI6	N1
SP-040518	23.125	048	2	6.1.0	Rel-6	Add CCF and/or OCS address to charging rule	approved	B	6.2.0	CH	S2
SP-040518	23.125	051	1	6.1.0	Rel-6	Add a definition of TPF/CRF instance	approved	B	6.2.0	CH	S2
SP-040518	23.125	055	-	6.1.0	Rel-6	Allowing specific charging rule selection for dedicated IMS signalling PDP contexts	approved	F	6.2.0	CH	S2
SP-040518	23.125	056	2	6.1.0	Rel-6	Application Function Tag	approved	B	6.2.0	CH	S2
SP-040518	23.125	059	2	6.1.0	Rel-6	Clarification on precedence of charging rules	approved	B	6.2.0	CH	S2
SP-040518	23.125	060	2	6.1.0	Rel-6	Rx/Gx functions and SBLP usage in IMS Charging	approved	B	6.2.0	CH	S2
SP-040518	23.125	061	2	6.1.0	Rel-6	Policy control functions provided by FBC	approved	B	6.2.0	CH	S2
SP-040518	23.125	063	2	6.1.0	Rel-6	Clarification of pre-defined charging rules	approved	F	6.2.0	CH	S2
SP-040518	23.125	064	-	6.1.0	Rel-6	Clarification on charging rules	approved	F	6.2.0	CH	S2
SP-040518	23.125	065	2	6.1.0	Rel-6	Traffic plane function behavior	approved	F	6.2.0	CH	S2
SP-040518	23.125	066	2	6.1.0	Rel-6	Termination action	approved	F	6.2.0	CH	S2
SP-040518	23.125	067	-	6.1.0	Rel-6	Re-authorization triggers	approved	F	6.2.0	CH	S2
SP-040518	23.125	068	1	6.1.0	Rel-6	Gx reference point functions	approved	F	6.2.0	CH	S2
SP-040518	23.125	069	2	6.1.0	Rel-6	Clarifications in message flows	approved	F	6.2.0	CH	S2
SP-040518	23.125	070	2	6.1.0	Rel-6	Bearer service modification in case of online charging	approved	F	6.2.0	CH	S2
SP-040518	23.125	071	2	6.1.0	Rel-6	Policy functions of FBC – update of Annex D	approved	F	6.2.0	CH	S2
SP-040518	23.125	072	1	6.1.0	Rel-6	Removal of superfluous FFS notes	approved	D	6.2.0	CH	S2

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SP-040518	23.125	074	2	6.1.0	Rel-6	FBC Control	approved	C	6.2.0	CH	S2
SP-040518	23.125	075	1	6.1.0	Rel-6	TPF performing no charging	approved	F	6.2.0	CH	S2
NP-040353	23.127	048	-	6.1.0	Rel-6	Add descriptions of OSA high-level abstraction interfaces	noted	F		OSA3	S2
NP-040353	23.127	049	-	6.1.0	Rel-6	Correct descriptions of OSA high-level abstraction interfaces	noted	F		OSA3	S2
NP-040353	23.127	050	-	6.1.0	Rel-6	Add OSA Multi Media Messaging SCF - stage 2 description	noted	B		OSA3	S2
SP-040519	23.141	070	-	6.6.0	Rel-6	Reference architecture update	approved	F	6.7.0	PRESNC	S2
NP-040336	23.172	027	-	6.0.0	Rel-6	Interaction of CAMEL with Service Change	approved	F	6.1.0	TEI6	N3
SP-040520	23.195	011	1	5.3.0	Rel-5	IMEISV obtaining for UEs supporting only UMTS radio access	approved	F	5.4.0	LATE_UE	S2
SP-040521	23.207	084	1	6.3.0	Rel-6	SBLP and non-realtime PDP Contexts	approved	F	6.4.0	IMS2, QoS1	S2
SP-040521	23.207	085	-	6.3.0	Rel-6	Generation of multiple tokens	approved	F	6.4.0	QoS1	S2
NP-040384	23.218	069	-	6.1.0	Rel-6	IFC process termination at R-URI change	approved	F	6.2.0	IMS2	N1
NP-040384	23.218	070	1	6.1.0	Rel-6	Third party registration optimization	approved	F	6.2.0	IMS2	N1
SP-040522	23.221	050	-	5.10.0	Rel-5	Referencing TR 23.981	approved	F	5.11.0	IPv4IMS	S2
SP-040523	23.228	415	1	6.6.0	Rel-6	Session based messaging size negotiation	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	437	-	6.6.0	Rel-6	Registration Requirement related to Application Server	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	438	1	6.6.0	Rel-6	Clarification to the Re-Registration procedure	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	439	-	6.6.0	Rel-6	IMS Emergency Services	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	440	1	6.6.0	Rel-6	Treatment of SIP forking request	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	441	1	6.6.0	Rel-6	Session based messaging release procedure	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	442	1	6.6.0	Rel-6	Generic signaling flow without preconditions	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	443	1	6.6.0	Rel-6	Session based messaging clean-up according latest version of IETF draft	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	444	-	6.6.0	Rel-6	Correction on precondition usage	approved	F	6.7.0	IMS2	S2
SP-040523	23.228	445	1	6.6.0	Rel-6	Network control of PDP Context establishment for SBLP	approved	C	6.7.0	IMS2	S2
SP-040524	23.234	033	3	6.1.0	Rel-6	WLAN Manual PLMN Network selection - CR	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	055	1	6.1.0	Rel-6	Cleanup of figure 7.4 in TS 23.234	approved	D	6.2.0	WLAN	S2
SP-040524	23.234	058	1	6.1.0	Rel-6	Correction of mistakes and inaccurate descriptions in 23.234	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	061	1	6.1.0	Rel-6	Clarification on usage of 3GPP AAA server	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	063	4	6.1.0	Rel-6	Alignment of PLMN selection	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	064	1	6.1.0	Rel-6	Correction of Wa reference point functionality	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	065	1	6.1.0	Rel-6	Multiple WLAN connections	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	066	1	6.1.0	Rel-6	Introduction of the WLAN registration within tunnel establishment procedure	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	068	-	6.1.0	Rel-6	Editorial update of already agreed change in figure 6.2b	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	069	-	6.1.0	Rel-6	Removal of issue chapter in Annex F.	approved	D	6.2.0	WLAN	S2
SP-040524	23.234	070	1	6.1.0	Rel-6	Clarification of NSAPI in Annex F.	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	071	1	6.1.0	Rel-6	CR on IMS over WLAN	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	072	3	6.1.0	Rel-6	Correction to temporary identity usage and reference	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	073	2	6.1.0	Rel-6	Correction to PDG Selection Mechanism	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	075	3	6.1.0	Rel-6	Correction to W-APN authorisation and PDG redirection Mechanism	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	076	3	6.1.0	Rel-6	WLAN User Profile revision	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	077	3	6.1.0	Rel-6	Charging related data for 3GPP PS based services (WLAN 3GPP IP Access)	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	078	3	6.1.0	Rel-6	Static Remote IP address allocation	approved	F	6.2.0	WLAN	S2
SP-040524	23.234	081	2	6.1.0	Rel-6	Storage of the AAA server IP address in HSS/HLR	approved	F	6.2.0	WLAN	S2
SP-040525	23.240	024	1	6.4.0	Rel-6	Addition of missing security aspects	approved	F	6.5.0	GUP	S2
SP-040526	23.246	076	2	6.3.0	Rel-6	MBMS Service Area definition	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	084	1	6.3.0	Rel-6	Use Correct SA4 MBMS User Service Specification	approved	D	6.4.0	MBMS	S2

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SP-040526	23.246	085	1	6.3.0	Rel-6	Clarification of BM-SC create MBMS UE Context	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	088	2	6.3.0	Rel-6	Separate Rendering of 2G and 3G Content for the Same Service	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	089	1	6.3.0	Rel-6	Remove SDU FFS in section 6.3 Quality of Service	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	092	2	6.3.0	Rel-6	Additional information needed in section 8.3 Session Start Message	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	093	2	6.3.0	Rel-6	Application Level Charging Mechanisms	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	094	1	6.3.0	Rel-6	MBMS Session Notification	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	095	-	6.3.0	Rel-6	Removing FFS from TS 23.246	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	097	-	6.3.0	Rel-6	Clarification of reference model	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	099	2	6.3.0	Rel-6	Service Context creation in RNC	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	101	-	6.3.0	Rel-6	Correction for error handling in MBMS multicast activation	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	103	1	6.3.0	Rel-6	MBMS BSC UE context and bearer plane	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	106	2	6.3.0	Rel-6	Allocation and retention priority for MBMS bearers	approved	F	6.4.0	MBMS	S2
SP-040526	23.246	107	1	6.3.0	Rel-6	Merged CR 88 Separate Rendering of 2G and 3G Content for the Same Service, CR 90 Definition of Session Identity and CR92 Additional information needed in section 8.3 Session Start Message	approved	F	6.4.0	MBMS	S2
SP-040527	23.251	002	1	6.0.0	Rel-6	Introduction of network sharing (non-)supporting UEs	approved	F	6.1.0	NTSh ar	S2
SP-040527	23.251	003	1	6.0.0	Rel-6	Handling of system information in connected mode	approved	B	6.1.0	NTSh ar	S2
SP-040527	23.251	004	1	6.0.0	Rel-6	Core network operator identity as part of LAI/RAI for supporting UEs	approved	B	6.1.0	NTSh ar	S2
SP-040527	23.251	005	1	6.0.0	Rel-6	Indication of selected core network operator to the CN for supporting UEs	approved	B	6.1.0	NTSh ar	S2
SP-040528	23.271	275	2	4.11.0	Rel-4	Corrections to NI-LR using Location Based Routing procedure	approved	F	4.12.0	LCS	S2
SP-040528	23.271	276	2	5.11.0	Rel-5	Corrections to NI-LR using Location Based Routing procedure	approved	F	5.12.0	LCS1	S2
SP-040528	23.271	277	2	6.8.0	Rel-6	Corrections to NI-LR using Location Based Routing procedure	approved	A	6.9.0	LCS2	S2
SP-040528	23.271	278	1	6.8.0	Rel-6	Removal of erroneous sentence to NI-LR using Location Based Routing procedure	approved	F	6.9.0	LCS2	S2
SP-040528	23.271	279	1	6.8.0	Rel-6	Usage of the expression country code in 23.271	approved	F	6.9.0	LCS	S2
NP-040397	23.278	047	-	5.5.0	Rel-5	Correction of Check_Criteria Procedure names referenced in Process imcnSSF	approved	F	5.6.0	CAME L4	N4
SP-040529	23.977	001	-	6.0.0	Rel-6	Editorials TR 23.977	approved	D	6.1.0	BARS	S2
SP-040530	23.981	001	-	6.0.0	Rel-6	IPv4 access to multimedia services and Mb reference point	approved	F	6.1.0	IPv4I MS	S2
SP-040530	23.981	002	1	6.0.0	Rel-5	Creating a Rel-5 version of TR 23.981	approved	B	5.0.0	IPv4I MS	S2
SP-040530	23.981	003	1	6.0.0	Rel-6	Corrections to scenario – IPv4 visited and IPv6 home	approved	F	6.1.0	IPv4I MS	S2
NP-040377	24.007	064	1	6.1.0	Rel-6	Update of the Session Management services - MBMS	approved	B	6.2.0	MBMS	N1
NP-040375	24.007	067	4	6.1.0	Rel-6	Sequence number handling during redirection in MOCN sharing scenario	approved	B	6.2.0	NTSh ar	N1
NP-040378	24.008	852	3	6.5.0	Rel-6	Network Search for recovering from Faulty Networks	approved	F	6.6.0	TEI6	N1
NP-040310	24.008	882	3	6.5.0	Rel-6	Follow-on proceed for the PS domain	revised	B		TEI6	N1
NP-040432	24.008	882	4	6.5.0	Rel-6	Follow-on proceed for the PS domain	approved	B	6.6.0	TEI6	N1
NP-040378	24.008	883	1	6.5.0	Rel-6	Mapping of QoS Traffic Class to RRC Establishment Cause	approved	F	6.6.0	TEI6	N1
NP-040379	24.008	886	2	6.5.0	Rel-6	Correction to list of received N-PDU number in Rau Accept message	approved	F	6.6.0	GTP Enhan cemen ts	N1
NP-040377	24.008	889	1	6.5.0	Rel-6	Introduction of the MBMS general procedure and states	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	890	1	6.5.0	Rel-6	Introduction of the MBMS Context Activation procedure	approved	B	6.6.0	MBMS	N1

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NP-040377	24.008	891	1	6.5.0	Rel-6	Introduction of the MBMS Context Activation messages	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	894	-	6.5.0	Rel-6	Introduction of the MBMS Multicast Service Deactivation procedure - Reuse of PDP context deactivation messages	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	895	1	6.5.0	Rel-6	Introduction of the MBMS Multicast Service Deactivation messages - Reuse of PDP context deactivation messages	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	896	-	6.5.0	Rel-6	Update of the Service Request procedure - MBMS	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	897	1	6.5.0	Rel-6	Update of Annex I for MBMS	approved	B	6.6.0	MBMS	N1
NP-040377	24.008	898	1	6.5.0	Rel-6	Introduction of MBMS context handling	approved	B	6.6.0	MBMS	N1
NP-040375	24.008	901	3	6.5.0	Rel-6	Clarification on the registered PLMN for UEs that support network sharing in a shared network	approved	B	6.6.0	NTShar	N1
NP-040378	24.008	904	-	6.5.0	Rel-6	Introduction of Extended RLC/MAC Control Message segmentation capability	approved	B	6.6.0	TEI-6	N1
NP-040376	24.008	905	-	6.5.0	Rel-6	Introduction of Downlink Advanced Receiver Performance (DARP) capability	approved	B	6.6.0	DARP	N1
NP-040380	24.141	003	2	6.0.0	Rel-6	Editorial issues	revised	D		PRESNC	N1
NP-040426	24.141	003	3	6.0.0	Rel-6	Editorial issues	approved	D	6.1.0	PRESNC	N1
NP-040380	24.141	004	1	6.0.0	Rel-6	Watcher cleanup and alignment with PUA	approved	F	6.1.0	PRESNC	N1
NP-040380	24.141	005	3	6.0.0	Rel-6	PUA clause restructuring	approved	D	6.1.0	PRESNC	N1
NP-040380	24.141	006	1	6.0.0	Rel-6	GAA impacts	revised	F		PRESNC	N1
NP-040427	24.141	006	2	6.0.0	Rel-6	GAA impacts	approved	F	6.1.0	PRESNC	N1
NP-040380	24.141	007	1	6.0.0	Rel-6	XCAP roles	approved	C	6.1.0	PRESNC	N1
NP-040380	24.141	008	1	6.0.0	Rel-6	XCAP Change	approved	F	6.1.0	PRESNC	N1
NP-040380	24.141	009	-	6.0.0	Rel-6	Presence authorisation	approved	C	6.1.0	PRESNC	N1
NP-040380	24.141	011	-	6.0.0	Rel-6	Flows update	approved	F	6.1.0	PRESNC	N1
NP-040380	24.141	014	1	6.0.0	Rel-6	Enhanced partial publication description	approved	D	6.1.0	PRESNC	N1
NP-040380	24.141	015	1	6.0.0	Rel-6	Publication Rate Limiting	approved	C	6.1.0	PRESNC	N1
NP-040380	24.141	017	1	6.0.0	Rel-6	Correction to processing PUBLISH with the "multipart/related" content type	approved	F	6.1.0	PRESNC	N1
NP-040380	24.141	018	-	6.0.0	Rel-6	XML document corrections of message flows	approved	F	6.1.0	PRESNC	N1
NP-040385	24.228	133	-	5.9.0	Rel-5	P-Charging-Vector header error correction	approved	F	5.10.0	IMS-CCR	N1
NP-040381	24.229	650	2	6.3.0	Rel-6	Support of draft-ietf-sip-replaces	approved	B	6.4.0	IMS2	N1
NP-040381	24.229	654	4	6.3.0	Rel-6	Callee capabilities and Registration	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	656	1	6.3.0	Rel-6	Support of draft-ietf-sip-referredby	approved	B	6.4.0	IMS2	N1
NP-040381	24.229	657	1	6.3.0	Rel-6	Support of draft-ietf-sip-join	approved	B	6.4.0	IMS2	N1
NP-040380	24.229	658	-	6.3.0	Rel-6	24.229: Correction of User identity verification at the AS	approved	F	6.4.0	PRESNC	N1
NP-040381	24.229	659	-	6.3.0	Rel-6	Multiple public ID registration	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	660	-	6.3.0	Rel-6	Standalone transactions	approved	F	6.4.0	IMS2	N1

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NP-040381	24.229	661	1	6.3.0	Rel-6	Call Release	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	662	1	6.3.0	Rel-6	Session timer	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	663	-	6.3.0	Rel-6	Unprotected REGISTER	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	665	-	6.3.0	Rel-6	Contact in SUBSCRIBE request	approved	F	6.4.0	IMS2	N1
NP-040381	24.229	666	1	6.3.0	Rel-6	NOTIFY requests	approved	A	6.4.0	IMS2	N1
NP-040381	24.229	668	2	6.3.0	Rel-6	Network deregistration	approved	F	6.4.0	IMS2	N1
NP-040385	24.229	672	1	5.9.0	Rel-5	Syntax correction for the P-Charging-Vector header	approved	F	5.10.0	IMS-CCR	N1
NP-040385	24.229	673	-	6.3.0	Rel-6	Syntax correction for the P-Charging-Vector header	approved	A	6.4.0	IMS-CCR	N1
NP-040381	24.229	678	-	6.3.0	Rel-6	Support of TLS	approved	D	6.4.0	IMS2	N1
NP-040385	24.229	679	1	5.9.0	Rel-5	Missing value for the event attribute within the element of NOTIFY body	approved	F	5.10.0	IMS-CCR	N1
NP-040385	24.229	681	2	5.9.0	Rel-5	Network initiated deregistration upon UE roaming and registration to a new network	approved	F	5.10.0	IMS-CCR	N1
NP-040381	24.229	682	1	6.3.0	Rel-6	SDP parameters received by the S-CSCF and the P-CSCF in the 200 OK message	approved	F	6.4.0	IMS-CCR	N1
NP-040381	24.229	688	2	6.3.0	Rel-6	Filtering of the P-Access-Network-Info header by the S-CSCF and privacy rules	approved	C	6.4.0	IMS2	N1
NP-040383	24.229	689	2	6.3.0	Rel-6	Non precondition session set-up -Terminating session	approved	B	6.4.0	IMS2 Additional SIP capabilities	N1
NP-040382	24.229	692	1	6.3.0	Rel-6	Ipv6 IP v4 interworking	approved	B	6.4.0	IMS2	N1
NP-040385	24.229	694	1	5.9.0	Rel-5	Correction to condition for removal of the P- Access- Network-Info Header	approved	F	5.10.0	IMS-CCR	N1
NP-040385	24.229	697	-	6.3.0	Rel-6	Missing value for the event attribute within the element of NOTIFY body	approved	A	6.4.0	IMS-CCR	N1
NP-040385	24.229	698	-	6.3.0	Rel-6	HSS initiated deregistration	approved	F	6.4.0	IMS-CCR	N1
NP-040385	24.229	699	1	6.3.0	Rel-6	Network initiated deregistration upon UE roaming and registration to a new network	approved	F	6.4.0	IMS-CCR	N1
NP-040381	24.229	701	-	5.9.0	Rel-5	NOTIFY requests	approved	F	5.10.0	IMS2	N1
RP-040291	25.101	342	2	6.4.0	Rel-6	UE maximum output power with HS-DPCCH	approved	A	6.5.0	HSDPA-RF	R4
RP-040291	25.101	344	3	6.4.0	Rel-6	Correction of maximum allowed power and range in TFC selection with HS-DPCCH and other clarifications	approved	F	6.5.0	HSDPA-RF	R4
RP-040292	25.101	346	1	6.4.0	Rel-6	Correction in the Band V (850MHz) additional frequency channel - UARFCN	approved	F	6.5.0	RInImp-UMTS850	R4
RP-040288	25.101	352	-	6.4.0	Rel-6	Clarification of test parameter of reliable TPC command combining	approved	F	6.5.0	TEI6	R4
RP-040292	25.101	353	-	6.4.0	Rel-6	Frequency range correction of out-of-band blocking for Band IV	approved	F	6.5.0	RInImp-UMTS1721	R4
RP-040288	25.101	354	1	6.4.0	Rel-6	UE maximum input level for HS-PDSCH	approved	F	6.5.0	TEI6, HSDPA-RF	R4

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RP-040288	25.101	358	-	6.4.0	Rel-6	Clarification to change of TFC and compressed mode time mask diagrams	approved	F	6.5.0	TEI6	R4
RP-040284	25.101	360	-	5.11.0	Rel-5	Clarification of HS-DSCH level	approved	F	5.12.0	HSDPA-RF	R4
RP-040284	25.101	361	-	6.4.0	Rel-6	Clarification of HS-DSCH level	approved	A	6.5.0	HSDPA-RF	R4
RP-040284	25.101	362	1	5.11.0	Rel-5	Correction to OCNS code allocation for HSDPA testing	approved	F	5.12.0	HSDPA-RF	R4
RP-040284	25.101	363	1	6.4.0	Rel-6	Correction to OCNS code allocation for HSDPA testing	approved	A	6.5.0	HSDPA-RF	R4
RP-040287	25.101	364	1	6.4.0	Rel-6	Specification of enhanced performance requirements for HSDPA based on receiver diversity	approved	B	6.5.0	RInImp-HSPerf-RxDiv	R4
RP-040384	25.101	365	-	6.4.0	Rel-6	UE maximum output power for HSDPA-only terminal	approved	B	6.5.0	EDCH-RF	R4
RP-040292	25.104	227	1	6.6.0	Rel-6	Correction in the Band V (850MHz) additional frequency channel - UARFCN	approved	F	6.7.0	RInImp-UMTS850	R4
RP-040367	25.104	228	-	5.8.0	Rel-5	Regional Requirement on HSDPA	approved	D	5.9.0	HSDPA-RF	R4
RP-040367	25.104	229	-	6.6.0	Rel-6	Regional Requirement on HSDPA	approved	A	6.7.0	HSDPA-RF	R4
RP-040289	25.106	036	-	6.1.0	Rel-6	Spurious emissions: Redrafting of tables for co-existence	approved	F	6.2.0	RInImp-REP	R4
RP-040285	25.123	344	-	5.9.0	Rel-5	Correction to UTRA Carrier RSSI measurement and other corrections in test cases	approved	F	5.10.0	LCRTDD-RF	R4
RP-040285	25.123	345	-	6.2.0	Rel-6	Correction to UTRA Carrier RSSI measurement and other corrections in test cases	approved	A	6.3.0	LCRTDD-RF	R4
RP-040290	25.123	346	1	6.2.0	Rel-6	Correction to measurement performance units in section 9	approved	F	6.3.0	LCRTDD-RF	R4
RP-040290	25.123	347	-	6.2.0	Rel-6	Correction of inconsistency between 25.123 and 25.331	approved	F	6.3.0	LCRTDD-RF	R4
RP-040291	25.133	661	3	6.6.0	Rel-6	Clarification of HS-DPCCH in Transport format combination selection requirements	approved	A	6.7.0	HSDPA-RF	R4
RP-040283	25.133	676	-	3.18.0	R99	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	approved	F	3.19.0	TEI	R4
RP-040283	25.133	677	-	4.12.0	Rel-4	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	approved	A	4.13.0	TEI	R4
RP-040283	25.133	678	-	5.11.0	Rel-5	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	approved	A	5.12.0	TEI	R4
RP-040283	25.133	679	-	6.6.0	Rel-6	Redrafting of alignment of the activation time definition between TS 25.133 and TS 25.331	approved	A	6.7.0	TEI	R4
RP-040288	25.133	680	-	6.6.0	Rel-6	Correction to FDD inter frequency fading test case	approved	F	6.7.0	TEI6	R4
RP-040288	25.133	681	1	6.6.0	Rel-6	Additional scenarios for cell reselection test requirements	approved	F	6.7.0	TEI6	R4
RP-040283	25.133	682	-	3.18.0	R99	Removal of Cell_FACH requirements for GSM observed time difference measurement	approved	F	3.19.0	TEI	R4
RP-040283	25.133	683	-	4.12.0	Rel-4	Removal of Cell_FACH requirements for GSM observed time difference measurement	approved	A	4.13.0	TEI	R4
RP-040283	25.133	684	-	5.11.0	Rel-5	Removal of Cell_FACH requirements for GSM observed time difference measurement	approved	A	5.12.0	TEI	R4
RP-040283	25.133	685	-	6.6.0	Rel-6	Removal of Cell_FACH requirements for GSM observed time difference measurement	approved	A	6.7.0	TEI	R4

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RP-040288	25.133	687	2	6.6.0	Rel-6	RX-TX timing test modified to use soft handover, delay range for RX-TX timing test specified	approved	F	6.7.0	TEI6	R4
RP-040286	25.133	688	1	5.11.0	Rel-5	Removal of square brackets from requirements for number of reporting criteria for traffic volume measurements in cell_FACH state	approved	F	5.12.0	TEI5	R4
RP-040286	25.133	689	1	6.6.0	Rel-6	Removal of square brackets from requirements for number of reporting criteria for traffic volume measurements in cell_FACH state	approved	A	6.7.0	TEI5	R4
RP-040283	25.133	690	-	3.18.0	R99	Change of test parameter for event triggered reporting with event 1B	approved	F	3.19.0	TEI	R4
RP-040286	25.133	691	1	5.11.0	Rel-5	FDD/FDD Hard Handover test case clarification	approved	F	5.12.0	TEI5	R4
RP-040286	25.133	692	1	6.6.0	Rel-6	FDD/FDD Hard Handover test case clarification	approved	A	6.7.0	TEI5	R4
RP-040292	25.141	351	1	6.6.0	Rel-6	Correction in the Band V (850MHz) additional frequency channel - UARFCN	approved	F	6.7.0	RInImp-UMTS850	R4
RP-040367	25.141	353	-	5.8.0	Rel-5	Regional Requirement on HSDPA	approved	D	5.9.0	HSDPA-RF	R4
RP-040367	25.141	354	-	6.6.0	Rel-6	Regional Requirement on HSDPA	approved	A	6.7.0	HSDPA-RF	R4
RP-040289	25.143	047	-	6.1.0	Rel-6	Spurious emissions: Redrafting of tables for co-existence	approved	F	6.2.0	RInImp-REP	R4
RP-040317	25.211	191	-	5.5.0	Rel-5	Correction for the slot range of DL DPCCH power control preamble for CPCH	approved	F	5.6.0		R1
RP-040317	25.211	192	-	6.1.0	Rel-6	Correction for the slot range of DL DPCCH power control preamble for CPCH	approved	A	6.2.0	TEI	R1
RP-040318	25.214	352	-	6.2.0	Rel-6	Clarification of SSDT uplink only signalling	approved	F	6.3.0	RInImp-DSCHsho	R1
RP-040318	25.214	353	-	5.9.0	Rel-5	Clarification of SSDT uplink only signalling	rejected	F		RInImp-DSCHsho	R1
RP-040315	25.222	122	1	4.7.0	Rel-4	Correction of symbol Xi defined in sub-frame segmentation step	approved	F	4.8.0	TEI4	R1
RP-040315	25.222	123	1	5.6.0	Rel-5	Correction of symbol Xi defined in sub-frame segmentation step	approved	A	5.7.0	TEI4	R1
RP-040315	25.222	124	1	6.0.0	Rel-6	Correction of symbol Xi defined in sub-frame segmentation step	approved	A	6.1.0	TEI4	R1
RP-040316	25.224	132	-	4.10.0	Rel-4	Transmit diversity usage for beacon channels in LCR TDD	approved	F	4.11.0	TEI4	R1
RP-040316	25.224	133	-	5.7.0	Rel-5	Transmit diversity usage for beacon channels in LCR TDD	approved	A	5.8.0	TEI4	R1
RP-040316	25.224	134	-	6.1.0	Rel-6	Transmit diversity usage for beacon channels in LCR TDD	approved	A	6.2.0	TEI4	R1
RP-040319	25.224	135	1	4.10.0	Rel-4	Corrections of radio access procedure for 1.28Mcps TDD	approved	F	4.11.0	LCRTDD-Phys	R1
RP-040319	25.224	136	1	5.7.0	Rel-5	Corrections of radio access procedure for 1.28Mcps TDD	approved	A	5.8.0	LCRTDD-Phys	R1
RP-040319	25.224	137	1	6.1.0	Rel-6	Corrections of radio access procedure for 1.28Mcps TDD	approved	A	6.2.0	LCRTDD-Phys	R1
RP-040331	25.301	070	-	5.2.0	Rel-5	Removal of DCCH mapping on HS-DSCH	revised	F		HSDPA-L23	R2
RP-040369	25.301	070	1	5.2.0	Rel-5	Removal of DCCH mapping on HS-DSCH	approved	F	5.3.0	HSDPA-L23	R2
RP-040338	25.303	074	-	6.0.0	Rel-6	Clarification to SRNS Relocation	approved	F	6.1.0	TEI6	R2
RP-040332	25.304	118	-	5.5.0	Rel-5	HCS measurement rules & high-mobility	approved	F	5.6.0	TEI5	R2
RP-040332	25.304	119	-	6.2.0	Rel-6	HCS measurement rules & high-mobility	approved	A	6.3.0	TEI5	R2

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RP-040326	25.307	028	-	3.3.0	R99	Correction to applicable TS25.101 clauses/section for release independent operation	approved	F	3.4.0	TEI	R2
RP-040326	25.307	029	-	4.3.0	Rel-4	Correction to applicable TS25.101 clauses/section for release independent operation	approved	F	4.4.0	TEI	R2
RP-040326	25.307	030	-	5.2.0	Rel-5	Correction to applicable TS25.101 clauses/section for release independent operation	approved	F	5.3.0	TEI	R2
RP-040331	25.308	009	-	5.5.0	Rel-5	Application of HS-DSCH to signalling radio bearers, correction to MAC-hs entity and correction to a response message from UE	rejected	F		HSDPA-L23	R2
RP-040369	25.308	009	1	5.5.0	Rel-5	Application of HS-DSCH to signalling radio bearers, correction to MAC-hs entity and correction to a response message from UE	approved	F	5.6.0	HSDPA-L23	R2
RP-040369	25.308	010	1	6.1.0	Rel-6	Correction to MAC-hs entity and correction to a response message from UE	approved	F	6.2.0	HSDPA-L23	R2
RP-040331	25.308	010	1	6.1.0	Rel-6	Correction to MAC-hs entity and correction to a response message from UE	withdrawn	F		HSDPA-L23	R2
RP-040328	25.331	2368	1	3.19.0	R99	Restrict operation of the virtual active set	approved	F	3.20.0	TEI	R2
RP-040328	25.331	2369	1	4.14.0	Rel-4	Restrict operation of the virtual active set	approved	A	4.15.0	TEI	R2
RP-040327	25.331	2370	-	3.19.0	R99	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	approved	F	3.20.0	TEI	R2
RP-040327	25.331	2371	-	4.14.0	Rel-4	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	approved	A	4.15.0	TEI	R2
RP-040327	25.331	2372	-	5.9.0	Rel-5	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	approved	A	5.10.0	TEI	R2
RP-040327	25.331	2373	-	6.2.0	Rel-6	TDD misalignment between tabular and ASN.1 definitions of UL Transport channel information common for all transport channels and special burst scheduling	approved	A	6.3.0	TEI	R2
RP-040327	25.331	2374	-	3.19.0	R99	Definition of parameters for UE-assisted A-GPS	approved	F	3.20.0	TEI	R2
RP-040327	25.331	2375	-	4.14.0	Rel-4	Definition of parameters for UE-assisted A-GPS	approved	A	4.15.0	TEI	R2
RP-040327	25.331	2376	-	5.9.0	Rel-5	Definition of parameters for UE-assisted A-GPS	approved	A	5.10.0	TEI	R2
RP-040327	25.331	2377	-	6.2.0	Rel-6	Definition of parameters for UE-assisted A-GPS	approved	A	6.3.0	TEI	R2
RP-040339	25.331	2378	2	6.2.0	Rel-6	Addition of UMTS850 (Band V) in the tabular	approved	F	6.3.0	RinImp-UMTS850	R2
RP-040360	25.331	2379	-	4.14.0	Rel-4	Default Configurations for multiple AMR Rate Configurations	approved	F	4.15.0	TEI4	R2
RP-040360	25.331	2380	-	5.9.0	Rel-5	Default Configurations for multiple AMR Rate Configurations	approved	A	5.10.0	TEI4	R2
RP-040360	25.331	2381	-	6.2.0	Rel-6	Default Configurations for multiple AMR Rate Configurations	approved	A	6.3.0	TEI4	R2
RP-040319	25.331	2382	-	4.14.0	Rel-4	Correction on PRACH selection in 1.28Mcps TDD	approved	F	4.15.0	LCRTDD-L23	R2
RP-040319	25.331	2383	-	5.9.0	Rel-5	Correction on PRACH selection in 1.28Mcps TDD	approved	A	5.10.0	LCRTDD-L23	R2
RP-040319	25.331	2384	-	6.2.0	Rel-6	Correction on PRACH selection in 1.28Mcps TDD	approved	A	6.3.0	LCRTDD-L23	R2
RP-040334	25.331	2385	-	5.9.0	Rel-5	Inconsistency in UE action for HFN initialisation	approved	F	5.10.0	TEI5	R2
RP-040334	25.331	2386	-	6.2.0	Rel-6	Inconsistency in UE action for HFN initialisation	approved	F	6.3.0	TEI6	R2
RP-040334	25.331	2387	-	5.9.0	Rel-5	Usage of different RB mapping info for TDD	approved	F	5.10.0	TEI5	R2
RP-040334	25.331	2388	-	6.2.0	Rel-6	Usage of different RB mapping info for TDD	approved	A	6.3.0	TEI5	R2
RP-040334	25.331	2389	-	5.9.0	Rel-5	TDD HS-DSCH Corrections	approved	F	5.10.0	HSDPA-L23	R2
RP-040334	25.331	2390	-	6.2.0	Rel-6	TDD HS-DSCH Corrections	approved	A	6.3.0	HSDPA-L23	R2

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RP-040334	25.331	2391	-	5.9.0	Rel-5	Alignment of Tabular Definition with ASN.1 for HS-SCCH Info	approved	F	5.10.0	HSDPA-L23	R2
RP-040334	25.331	2392	-	6.2.0	Rel-6	Alignment of Tabular Definition with ASN.1 for HS-SCCH Info	approved	A	6.3.0	HSDPA-L23	R2
RP-040334	25.331	2393	-	5.9.0	Rel-5	Correction to HS-DSCH reception conditions	revised	F		HSDPA-L23	R2
RP-040348	25.331	2393	1	5.9.0	Rel-5	Correction to HS-DSCH reception conditions	approved	F	5.10.0	HSDPA-L23	R2
RP-040334	25.331	2394	-	6.2.0	Rel-6	Correction to HS-DSCH reception conditions	revised	A		HSDPA-L23	R2
RP-040348	25.331	2394	1	6.2.0	Rel-6	Correction to HS-DSCH reception conditions	approved	A	6.3.0	HSDPA-L23	R2
RP-040334	25.331	2395	-	5.9.0	Rel-5	Correction to RB mapping check	approved	F	5.10.0	TEI5	R2
RP-040334	25.331	2396	-	6.2.0	Rel-6	Correction to RB mapping check	approved	A	6.3.0	TEI5	R2
RP-040334	25.331	2397	-	5.9.0	Rel-5	Position Timestamp for A-GPS	approved	F	5.10.0	TEI5	R2
RP-040334	25.331	2398	-	6.2.0	Rel-6	Position Timestamp for A-GPS	approved	A	6.3.0	TEI5	R2
RP-040334	25.331	2399	-	5.9.0	Rel-5	Pending compressed mode reconfigurations	approved	F	5.10.0	TEI5	R2
RP-040334	25.331	2400	-	6.2.0	Rel-6	Pending compressed mode reconfigurations	approved	A	6.3.0	TEI5	R2
RP-040335	25.331	2401	-	5.9.0	Rel-5	Predefined configurations for the RRC connection request	approved	F	5.10.0	TEI5	R2
RP-040335	25.331	2402	-	6.2.0	Rel-6	Predefined configurations for the RRC connection request	approved	A	6.3.0	TEI5	R2
RP-040335	25.331	2403	-	5.9.0	Rel-5	Cell update during reconfiguration from CELL_FACH to CELL_PCH	approved	F	5.10.0	TEI5	R2
RP-040335	25.331	2404	-	6.2.0	Rel-6	Cell update during reconfiguration from CELL_FACH to CELL_PCH	approved	A	6.3.0	TEI5	R2
RP-040335	25.331	2405	-	5.9.0	Rel-5	UE actions for Delta_ACK/NACK and repetition factor	approved	F	5.10.0	HSDPA-L23	R2
RP-040335	25.331	2406	-	6.2.0	Rel-6	UE actions for Delta_ACK/NACK and repetition factor	approved	A	6.3.0	HSDPA-L23	R2
RP-040335	25.331	2407	-	5.9.0	Rel-5	Calculation of UL transmit power for HS-SICH (TDD)	approved	F	5.10.0	HSDPA-L23	R2
RP-040335	25.331	2408	-	6.2.0	Rel-6	Calculation of UL transmit power for HS-SICH (TDD)	approved	A	6.3.0	HSDPA-L23	R2
RP-040335	25.331	2409	-	5.9.0	Rel-5	Handling of Timer T302 Expiry	approved	F	5.10.0	TEI5	R2
RP-040335	25.331	2410	-	6.2.0	Rel-6	Handling of Timer T302 Expiry	approved	A	6.3.0	TEI5	R2
RP-040335	25.331	2411	-	5.9.0	Rel-5	Correct naming for HS-DSCH with DCH multiplexing option	approved	F	5.10.0	HSDPA-L23	R2
RP-040335	25.331	2412	-	6.2.0	Rel-6	Correct naming for HS-DSCH with DCH multiplexing option	approved	A	6.3.0	HSDPA-L23	R2
RP-040335	25.331	2413	-	5.9.0	Rel-5	Compressed Pre-defined configurations description in new Annex C	approved	F	5.10.0	TEI5	R2
RP-040335	25.331	2414	-	6.2.0	Rel-6	Compressed Pre-defined configurations description in new Annex C	approved	A	6.3.0	TEI5	R2
RP-040335	25.331	2415	-	5.9.0	Rel-5	Interaction between integrity protection and the sending of downlink messages during SRNS relocation	approved	F	5.10.0	TEI5	R2
RP-040335	25.331	2416	-	6.2.0	Rel-6	Interaction between integrity protection and the sending of downlink messages during SRNS relocation	approved	A	6.3.0	TEI5	R2
RP-040328	25.331	2417	-	5.9.0	Rel-5	Corrections to restrictions of operation of the virtual active set	approved	F	5.10.0	TEI5	R2
RP-040328	25.331	2418	-	6.2.0	Rel-6	Corrections to restrictions of operation of the virtual active set	approved	A	6.3.0	TEI5	R2
RP-040336	25.331	2419	-	5.9.0	Rel-5	UE actions for received new keys	approved	F	5.10.0	TEI5	R2
RP-040336	25.331	2420	-	6.2.0	Rel-6	UE actions for received new keys	approved	A	6.3.0	TEI5	R2
RP-040336	25.331	2421	1	5.9.0	Rel-5	Scrambling Code Change	approved	F	5.10.0	TEI5	R2
RP-040336	25.331	2422	1	6.2.0	Rel-6	Scrambling Code Change	approved	A	6.3.0	TEI5	R2
RP-040330	25.331	2423	-	4.14.0	Rel-4	Correction on SIB12 validity	revised	F		TEI4	R2

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RP-040331	25.331	2424	-	5.9.0	Rel-5	Removal of SRB mapping on HS-DSCH	revised	F		HSDPA-L23	R2
RP-040369	25.331	2424	1	5.9.0	Rel-5	Removal of SRB mapping on HS-DSCH	approved	F	5.10.0	HSDPA-L23	R2
RP-040328	25.331	2427	-	5.9.0	Rel-5	Clarifications to VAS functionality	approved	F	5.10.0	TEI5	R2
RP-040328	25.331	2428	-	6.2.0	Rel-6	Clarifications to VAS functionality	approved	A	6.3.0	TEI5	R2
RP-040336	25.331	2429	-	5.9.0	Rel-5	UE security capability in INTER_RAT handover	approved	F	5.10.0	TEI5	R2
RP-040336	25.331	2430	-	6.2.0	Rel-6	UE security capability in INTER_RAT handover	approved	A	6.3.0	TEI5	R2
RP-040336	25.331	2431	-	5.9.0	Rel-5	Correction to the Radio Link Failure behaviour	approved	F	5.10.0	TEI5	R2
RP-040336	25.331	2432	-	6.2.0	Rel-6	Correction to the Radio Link Failure behaviour	approved	A	6.3.0	TEI5	R2
RP-040340	25.346	003	-	6.1.0	Rel-6	Introduction of MBMS Change Information and Removal of usage of the secondary notification indicators	approved	F	6.2.0	MBMS-RAN	R2
RP-040340	25.346	004	-	6.1.0	Rel-6	Clarifications to Frequency Layer Convergence and UE behaviour at return on Service	approved	F	6.2.0	MBMS-RAN	R2
RP-040340	25.346	005	-	6.1.0	Rel-6	Iur Linking for URA_PCH UEs and MBMS Session Start Request corrections for TS25.346 from RAN3#43	approved	F	6.2.0	MBMS-RAN	R2
RP-040303	25.401	087	1	6.3.0	Rel-6	Introduction of Iuant into UTRAN architecture for control of RET Antennas	approved	B	6.4.0	RANimp-TiltAnt	R3
RP-040297	25.401	090	-	5.8.0	Rel-5	Terminology correction of IP ALCAP CR	approved	F	5.9.0	ETRAN-iptrans	R3
RP-040297	25.401	091	-	6.3.0	Rel-6	Terminology correction of IP ALCAP CR	approved	A	6.4.0	ETRAN-iptrans	R3
RP-040296	25.411	014	-	5.0.0	Rel-5	Correction of optical interfaces	approved	F	5.1.0	TEI5	R3
RP-040296	25.411	015	-	6.0.0	Rel-6	Correction of optical interfaces	approved	A	6.1.0	TEI5	R3
RP-040298	25.413	680	4	5.9.0	Rel-5	Addition of Relocation Failure cause code to match GERAN cause code	approved	F	5.10.0	RANimp-ImpRRM	R3
RP-040298	25.413	681	4	6.2.0	Rel-6	Addition of Relocation Failure cause code to match GERAN cause code	approved	A	6.3.0	RANimp-ImpRRM	R3
RP-040299	25.413	691	4	5.9.0	Rel-5	Data Volume Reporting Correction	approved	F	5.10.0	TEI5	R3
RP-040299	25.413	692	3	6.2.0	Rel-6	Data Volume Reporting Correction	approved	A	6.3.0	TEI5	R3
RP-040299	25.413	695	2	5.9.0	Rel-5	Service Handover Timing and Priority	approved	F	5.10.0	TEI5	R3
RP-040299	25.413	696	2	6.2.0	Rel-6	Service Handover Timing and Priority	approved	A	6.3.0	TEI5	R3
RP-040299	25.413	699	1	5.9.0	Rel-5	presence of ciphering key in the RANAP container	approved	F	5.10.0	TEI5	R3
RP-040299	25.413	700	1	6.2.0	Rel-6	presence of ciphering key in the RANAP container	approved	A	6.3.0	TEI5	R3
RP-040297	25.414	082	-	5.6.0	Rel-5	Terminology correction of IP ALCAP CR	approved	F	5.7.0	ETRAN-iptrans	R3
RP-040297	25.414	083	-	6.1.0	Rel-6	Terminology correction of IP ALCAP CR	approved	A	6.2.0	ETRAN-iptrans	R3
RP-040297	25.414	084	-	6.1.0	Rel-6	Correction of implementation of IP ALCAP CR081	approved	F	6.2.0	ETRAN-iptrans	R3

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RP-040296	25.415	119	-	5.3.0	Rel-5	Clarification of padding after odd number of IPTIs	approved	F	5.4.0	TEI5	R3
RP-040296	25.415	120	-	6.0.0	Rel-6	Clarification of padding after odd number of IPTIs	approved	A	6.1.0	TEI5	R3
RP-040307	25.423	985	1	6.2.0	Rel-6	Correction of Trace reference in Deactivate trace	approved	F	6.3.0	OAM-Trace-RAN	R3
RP-040302	25.423	988	-	5.10.0	Rel-5	Correction to tabular text associated with TDD DPCH Offset IE	approved	F	5.11.0	TEI5	R3
RP-040302	25.423	989	-	6.2.0	Rel-6	Correction to tabular text associated with TDD DPCH Offset IE	approved	A	6.3.0	TEI5	R3
RP-040300	25.423	994	1	5.10.0	Rel-5	Traffic Class IE in RNSAP	approved	F	5.11.0	TEI5	R3
RP-040300	25.423	995	1	6.2.0	Rel-6	Traffic Class IE in RNSAP	approved	A	6.3.0	TEI5	R3
RP-040297	25.426	043	-	5.5.0	Rel-5	Terminology correction of IP ALCAP CR	approved	F	5.6.0	ETRAN-iptrans	R3
RP-040297	25.426	044	-	6.2.0	Rel-6	Terminology correction of IP ALCAP CR	approved	A	6.3.0	ETRAN-iptrans	R3
RP-040296	25.430	054	-	5.3.0	Rel-5	Clarification on the Uplink Power Control for 1.28Mcps TDD	approved	F	5.4.0	TEI5	R3
RP-040296	25.430	055	-	6.1.0	Rel-6	Clarification on the Uplink Power Control for 1.28Mcps TDD	approved	A	6.2.0	TEI5	R3
RP-040301	25.433	1013	-	5.9.0	Rel-5	Use of Communication Context id in NBAP reset	approved	F	5.10.0	TEI5	R3
RP-040301	25.433	1014	-	6.2.0	Rel-6	Use of Communication Context id in NBAP reset	approved	A	6.3.0	TEI5	R3
RP-040295	25.433	1017	2	4.12.0	Rel-4	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	approved	F	4.13.0	TEI4	R3
RP-040295	25.433	1018	2	5.9.0	Rel-5	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	approved	A	5.10.0	TEI4	R3
RP-040295	25.433	1019	2	6.2.0	Rel-6	Addition of TSTD for S-CCPCH, PICH and PDSCH in 1.28 Mcps TDD	approved	A	6.3.0	TEI4	R3
RP-040301	25.433	1020	-	5.9.0	Rel-5	Re-wording of the Intra-Node B Serving HS-DSCH Radio Link Change in the Prepared Radio Link Reconfiguration procedure	approved	F	5.10.0	HSDPA-lublur	R3
RP-040301	25.433	1021	-	6.2.0	Rel-6	Re-wording of the Intra-Node B Serving HS-DSCH Radio Link Change in the Prepared Radio Link Reconfiguration procedure	approved	A	6.3.0	HSDPA-lublur	R3
RP-040302	25.433	1024	-	5.9.0	Rel-5	Correction to tabular text associated with TDD DPCH Offset IE	approved	F	5.10.0	TEI5	R3
RP-040302	25.433	1025	-	6.2.0	Rel-6	Correction to tabular text associated with TDD DPCH Offset IE	approved	A	6.3.0	TEI5	R3
RP-040295	25.433	1027	-	4.12.0	Rel-4	Review on NBAP	approved	F	4.13.0	TEI4	R3
RP-040295	25.433	1028	-	5.9.0	Rel-5	Review on NBAP	approved	A	5.10.0	TEI4	R3
RP-040295	25.433	1029	-	6.2.0	Rel-6	Review on NBAP	approved	A	6.3.0	TEI4	R3
RP-040324	25.433	1031	-	5.9.0	Rel-5	Clarification on the FPACH configuration for 1.28Mcps TDD	approved	A	5.10.0	TEI4	R3
RP-040324	25.433	1032	-	6.2.0	Rel-6	Clarification on the FPACH configuration for 1.28Mcps TDD	approved	A	6.3.0	TEI4	R3
RP-040301	25.433	1035	-	5.9.0	Rel-5	Correction HSDPA Ies	approved	F	5.10.0	HSDPA-lublur	R3
RP-040301	25.433	1036	-	6.2.0	Rel-6	Correction for HSDPA Ies	approved	A	6.3.0	HSDPA-lublur	R3
RP-040362	25.433	1037	-	4.12.0	Rel-4	Clarification on the FPACH configuration for 1.28Mcps TDD	approved	F	4.13.0	TEI4	R3
RP-040306	25.453	074	1	6.5.0	Rel-6	Introduction of the requested accuracy and an indication of achieved accuracy in Position Calculation procedure over Iupc interface	approved	B	6.6.0	TEI6	R3
RP-040320	25.899	001	1	6.0.0	Rel-6	Implementation Complexity of ACK/NACK performance improvement	approved	F	6.1.0	RInImp-RIperf	R1
RP-040320	25.899	002	-	6.0.0	Rel-6	Effect of PRE/POST scheme on HSDPA cell coverage	approved	F	6.1.0	RInImp-RIperf	R1

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RP-040307	25.901	001	-	6.0.0	Rel-6	Tidy Up CR for TR 25.901 (NACC)	approved	D	6.1.0	RANimp-NACC	R3
RP-040325	25.993	028	-	6.6.0	Rel-6	Physical layer multiplexing configuration in case of AMR and two PS RABs with zero bit rates	approved	F	6.7.0	TEI6	R2
RP-040325	25.993	029	-	6.6.0	Rel-6	Physical layer multiplexing configuration in case of two PS RABs	approved	F	6.7.0	TEI6	R2
RP-040325	25.993	030	-	6.6.0	Rel-6	Correction of RAB configuration in 1.28Mcps TDD	approved	F	6.7.0	TEI6	R2
RP-040325	25.993	032	-	6.6.0	Rel-6	Conversational PS RAB for HS-DSCH	approved	F	6.7.0	TEI6	R2
SP-040644	26.101	009	2	5.0.0	Rel-6	Generic Frame Structure for GSM-EFR SID	approved	F	6.0.0	TrFO	S4
SP-040644	26.101	010	1	5.0.0	Rel-6	Error Corrections	approved	F	6.0.0	TrFO	S4
SP-040645	26.102	016	1	5.2.0	Rel-6	Mapping of GSM_EFR SID on Nb Interface	approved	F	6.0.0	TrFO	S4
SP-040646	26.103	023	2	5.4.0	Rel-6	Harmonisation of AMR Configurations	approved	C	6.0.0	TEI6	S4
SP-040646	26.103	024	2	5.4.0	Rel-5	Codec Identifier (CoID) for the telephone-event	rejected	F		IMS-CODEC	S4
SP-040646	26.103	025	1	5.4.0	Rel-6	Error Fixes	approved	F	6.0.0	TrFO	S4
SP-040646	26.103	028	1	5.4.0	Rel-5	Correction of Size and Reference of MuMe Codec	approved	F	5.5.0	SCUDIF	S4
SP-040646	26.103	029	1	5.4.0	Rel-6	Correction of Size and Reference of MuMe Codec	approved	A	6.0.0	SCUDIF	S4
SP-040659	26.111	010	3	5.1.0	Rel-6	3G-324M Improvements	approved	B	6.0.0	3G-324MI	S4
SP-040648	26.111	011	1	5.1.0	Rel-6	3G-324M Improvements: addition of optional AMR-WB support	approved	B	6.0.0	3G-324MI	S4
SP-040649	26.131	022	-	5.2.0	Rel-6	Change of sending distortion requirement	approved	C	6.0.0	TEI6	S4
SP-040649	26.132	028	-	5.4.0	Rel-6	Change of sending distortion test case	approved	C	6.0.0	TEI6	S4
SP-040641	26.140	004	2	5.2.0	Rel-6	Introduction of Extended AMR-WB into MMS service	rejected	C		MMS6-Codec	S4
SP-040641	26.140	005	2	5.2.0	Rel-6	Introduction of Enhanced aacPlus into MMS service	rejected	C		MMS6-Codec	S4
SP-040641	26.140	006	2	5.2.0	Rel-6	Introduction of Extended AMR-WB and Enhanced aacPlus into MMS service	approved	C	6.0.0	MMS6-Codec	S4
SP-040650	26.140	007	1	5.2.0	Rel-6	Update of MMS codecs and formats with Release 6 functionality	approved	B	6.0.0	MMS6-Codec	S4
SP-040655	26.140	008	1	5.2.0	Rel-6	Update of MMS codecs and formats with H.264	approved	B	6.0.0	MMS6-Codec	S4
SP-040651	26.233	005	1	5.0.0	Rel-6	Addition of Release 6 functionality	approved	B	6.0.0	PSSrel6-Stage3	S4
SP-040652	26.234	070	1	6.0.0	Rel-6	Additional Release-6 updates to PSS Protocols and codecs	approved	B	6.1.0	PSSrel6-Stage3	S4

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SP-040642	26.234	072	1	6.0.0	Rel-6	Introduction of Enhanced aacPlus into PSS service	rejected	C		PSSrel6-Stage 3	S4
SP-040642	26.234	073	1	6.0.0	Rel-6	Introduction of Extended AMR-WB into PSS service	rejected	C		PSSrel6-Stage 3	S4
SP-040642	26.234	074	1	6.0.0	Rel-6	Introduction of Extended AMR-WB and Enhanced aacPlus into PSS service	approved	C	6.1.0	PSSrel6-Stage 3	S4
SP-040656	26.234	075	1	6.0.0	Rel-6	Introduction of the H.264 (AVC) video codec into the PSS service	approved	B	6.1.0	PSSrel6-Stage 3	S4
SP-040653	26.235	007	1	6.1.0	Rel-6	Language improvement and alignment	approved	D	6.2.0	TEI6	S4
SP-040658	26.235	008	1	6.1.0	Rel-6	Introduction of the H.264 video codec into packet-switched conversational services	approved	B	6.2.0	CEPSCM	S4
SP-040653	26.235	009	-	6.1.0	Rel-6	Support for 128 kbps video in the packet-switched conversational services	approved	B	6.2.0	CEPSCM	S4
SP-040643	26.244	002	1	6.0.0	Rel-6	Storage of AMR-WB+ audio in 3GP files	approved	B	6.1.0	PSSrel6-Stage 3	S4
SP-040654	26.244	003	-	6.0.0	Rel-6	Additional Release 6 update to 3GP file format	approved	B	6.1.0	PSSrel6-Stage 3	S4
SP-040657	26.244	004	1	6.0.0	Rel-6	Storage of H.264 (AVC) video in 3GP files	approved	B	6.1.0	PSSrel6-Stage 3	S4
SP-040643	26.244	005	1	6.0.0	Rel-6	Storage of Enhanced aacPlus audio in 3GP files	approved	B	6.1.0	PSSrel6-Stage 3	S4
SP-040660	26.911	014	3	5.1.0	Rel-6	3G-324M Improvements	approved	B	6.0.0	3G-324MI	S4
SP-040647	28.062	041	2	5.4.0	Rel-6	Harmonisation of AMR Configurations	approved	C	6.0.0	TEI6	S4
NP-040407	29.002	732	2	6.6.0	Rel-6	Pre-Paging Resource Optimization	approved	B	6.7.0	TEI6	N4
NP-040405	29.002	739	-	6.6.0	Rel-6	Export of UU-Data data type	approved	B	6.7.0	TEI6	N4
NP-040414	29.002	743	-	6.6.0	Rel-6	Wrong SDL flow page implemented	approved	F	6.7.0	TEI6	N4
NP-040409	29.010	108	2	6.3.0	Rel-6	Addition of cause code mapping to the routing area update procedure	approved	F	6.4.0	TEI6	N4
NP-040400	29.010	109	-	5.6.0	Rel-5	Addition of cause code mapping for inter-system handover	approved	F	5.7.0	TEI5	N4
NP-040400	29.010	110	-	6.3.0	Rel-6	Addition of cause code mapping for inter-system handover	approved	A	6.4.0	TEI5	N4
NP-040375	29.018	042	2	6.0.0	Rel-6	Transfer of selected core network operator id across Gs interface	approved	B	6.1.0	NTSHar	N1
NP-040408	29.060	501	-	6.5.0	Rel-6	Alignment and enhancement of the "RAT Type" IE	approved	F	6.6.0	CH	N4
NP-040408	29.060	502	-	6.5.0	Rel-6	Corrections to charging information Ies	approved	D	6.6.0	TEI6	N4

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NP-040402	29.060	505	-	6.5.0	Rel-6	Error Indication during an ongoing MBMS data transfer	approved	F	6.6.0	MBMS	N4
NP-040402	29.060	506	-	6.5.0	Rel-6	Addition of Recovery IE in MBMS	approved	F	6.6.0	MBMS	N4
NP-040408	29.060	507	1	6.5.0	Rel-6	RIM transparent routing	approved	F	6.6.0	TEI6	N4
NP-040398	29.060	509	1	5.10.0	Rel-5	SGSN Context Request and IMSI	approved	F	5.11.0	TEI5	N4
NP-040402	29.060	510	2	6.5.0	Rel-6	Introduction of a transparent container field for MBMS	approved	B	6.6.0	MBMS	N4
NP-040408	29.060	511	-	6.5.0	Rel-6	Handling of ciphering and integrity keys at inter-SGSN RAU	approved	F	6.6.0	TEI6	N4
NP-040398	29.060	512	-	6.5.0	Rel-6	SGSN Context Request and IMSI	approved	A	6.6.0	TEI5	N4
NP-040337	29.061	119	2	6.1.0	Rel-6	Scope update to include Gmb	approved	B	6.2.0	MBMS	N3
NP-040337	29.061	120	2	6.1.0	Rel-6	Gmb general corrections	approved	B	6.2.0	MBMS	N3
NP-040337	29.061	121	2	6.1.0	Rel-6	New Gmb specific AVPs, and new specific result-codes values.	approved	B	6.2.0	MBMS	N3
NP-040335	29.061	122	-	6.1.0	Rel-6	New sub-attributes 3GPP VSA passed on the Gi interface for charging purposes	approved	B	6.2.0	TEI6	N3
NP-040405	29.078	380	-	6.2.0	Rel-6	Support of User-to-User Information (UUI) in CAMEL InitialDP operation	approved	B	6.3.0	TEI6	N4
NP-040397	29.078	381	2	5.8.0	Rel-5	Clarification on the handling of operation invocation when LinkedID is missing although expected	approved	F	5.9.0	IMS-CAMEL	N4
NP-040397	29.078	382	2	6.2.0	Rel-6	Clarification on the handling of operation invocation when LinkedID is missing although expected	approved	A	6.3.0	IMS-CAMEL	N4
NP-040406	29.078	383	-	6.2.0	Rel-6	Correction to usage of ACM for CAP ETC and CAP CTR	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	384	-	6.2.0	Rel-6	Correction to Cancel procedure description	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	385	-	6.2.0	Rel-6	Correction to SplitLeg ASN.1 description	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	386	-	6.2.0	Rel-6	Correction to Apply Charging Report procedure	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	387	-	6.2.0	Rel-6	Correction to Assist Reqiest Instructions procedure	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	388	-	6.2.0	Rel-6	Correction to Call Information Request and Report	approved	F	6.3.0	TEI6	N4
NP-040406	29.078	389	-	6.2.0	Rel-6	Correction to Tssf timer setting for SMS control	approved	F	6.3.0	TEI6	N4
NP-040346	29.163	048	2	6.3.0	Rel-6	Non call-related Mn procedures	approved	F	6.4.0	IMS-CCR-Mn	N3
NP-040334	29.163	050	3	6.3.0	Rel-6	Corrections to AMR codec parameter translations	approved	F	6.4.0	IMS-CCR-IWCS	N3
NP-040355	29.198-01	036	-	5.6.0	Rel-5	Remove J2EE rule on generation of Serialization UID rule	approved	F	5.7.0	OSA2	N5
NP-040355	29.198-01	037	-	6.1.0	Rel-6	Remove J2EE rule on generation of Serialization UID rule	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-01	038	-	6.1.0	Rel-6	Add Description of Backwards Compatibility rules	approved	B	6.2.0	OSA3	N5
NP-040355	29.198-02	046	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040355	29.198-02	047	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040355	29.198-03	123	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040355	29.198-03	124	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-03	125	-	6.1.0	Rel-6	Remove unused Deprecated items	approved	F	6.2.0	OSA3	N5
NP-040358	29.198-03	126	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5

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NP-040352	29.198-04	070	-	4.9.0	Rel-4	Correct State Transition Diagram for IpCall	approved	F	4.10.0	OSA1	N5
NP-040354	29.198-04-1	012	-	6.2.0	Rel-6	Correction to Java Realisation Annex	approved	F	6.3.0	OSA3	N5
NP-040355	29.198-04-1	013	-	5.6.0	Rel-5	Correct J2EE source	approved	F	5.7.0	OSA2	N5
NP-040358	29.198-04-1	014	-	6.2.0	Rel-6	Support High Availability at API Level	approved	F	6.3.0	OSA3	N5
NP-040352	29.198-04-2	018	-	5.7.0	Rel-5	Correct State Transition Diagram for IpCall	approved	A	5.8.0	OSA1	N5
NP-040352	29.198-04-2	019	-	6.1.0	Rel-6	Correct State Transition Diagram for IpCall	approved	A	6.2.0	OSA1	N5
NP-040355	29.198-04-2	020	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040355	29.198-04-2	021	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-04-2	022	-	6.1.0	Rel-6	Remove unused Deprecated items	approved	F	6.2.0	OSA3	N5
NP-040358	29.198-04-2	023	-	6.1.0	Rel-6	Additional GCC Feature to support HA	approved	C	6.2.0	OSA3	N5
NP-040358	29.198-04-2	024	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040354	29.198-04-3	027	-	6.2.0	Rel-6	Correction to Java Realisation Annex	approved	F	6.3.0	OSA3	N5
NP-040355	29.198-04-3	028	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040356	29.198-04-3	029	-	6.2.0	Rel-6	Remove unused Deprecated items	approved	F	6.3.0	OSA3	N5
NP-040358	29.198-04-3	030	-	6.2.0	Rel-6	Additional MPCC Feature to support HA	approved	C	6.3.0	OSA3	N5
NP-040358	29.198-04-3	031	-	6.2.0	Rel-6	Support High Availability at API Level	approved	F	6.3.0	OSA3	N5
NP-040354	29.198-04-4	019	-	6.2.0	Rel-6	Correction to Java Realisation Annex	approved	F	6.3.0	OSA3	N5
NP-040355	29.198-04-4	020	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040358	29.198-04-4	021	-	6.2.0	Rel-6	Support High Availability at API Level	approved	F	6.3.0	OSA3	N5
NP-040355	29.198-05	051	-	5.7.0	Rel-5	Correct J2EE source	approved	F	5.8.0	OSA2	N5
NP-040355	29.198-05	052	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-05	053	-	6.1.0	Rel-6	Remove unused Deprecated items	approved	F	6.2.0	OSA3	N5
NP-040357	29.198-05	054	-	6.1.0	Rel-6	Add getMessageListReq() within the IpUIAdminManager interface	approved	B	6.2.0	OSA3	N5
NP-040357	29.198-05	055	-	6.1.0	Rel-6	Change description of InfoAddress within TpUIInfo	approved	D	6.2.0	OSA3	N5
NP-040357	29.198-05	056	-	6.1.0	Rel-6	Changes to the TpUIRecognitionGrammer parameter	approved	F	6.2.0	OSA3	N5

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NP-040358	29.198-05	057	-	6.1.0	Rel-6	Additional GUI Feature to support HA	approved	C	6.2.0	OSA3	N5
NP-040358	29.198-05	058	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040354	29.198-06	028	-	6.2.0	Rel-6	Correction to Java Realisation Annex	approved	F	6.3.0	OSA3	N5
NP-040358	29.198-06	029	-	6.2.0	Rel-6	Support High Availability at API Level	approved	F	6.3.0	OSA3	N5
NP-040355	29.198-06	051	-	5.5.0	Rel-5	Correct J2EE source	approved	F	5.6.0	OSA2	N5
NP-040355	29.198-07	029	-	5.6.0	Rel-5	Correct J2EE source	approved	F	5.7.0	OSA2	N5
NP-040355	29.198-07	030	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040358	29.198-07	031	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040355	29.198-08	033	-	5.6.0	Rel-5	Correct J2EE source	approved	F	5.7.0	OSA2	N5
NP-040355	29.198-08	034	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-08	035	-	6.1.0	Rel-6	Remove unused Deprecated items	approved	F	6.2.0	OSA3	N5
NP-040358	29.198-08	036	-	6.1.0	Rel-6	Additional DSC Feature to support HA	approved	C	6.2.0	OSA3	N5
NP-040358	29.198-08	037	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040355	29.198-11	029	-	5.5.0	Rel-5	Correct J2EE source	approved	F	5.6.0	OSA2	N5
NP-040355	29.198-11	030	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040356	29.198-11	031	-	6.1.0	Rel-6	Remove unused Deprecated items	approved	F	6.2.0	OSA3	N5
NP-040358	29.198-11	032	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040355	29.198-12	030	-	5.6.0	Rel-5	Correct J2EE source	approved	F	5.7.0	OSA2	N5
NP-040355	29.198-12	031	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040358	29.198-12	032	-	6.1.0	Rel-6	Additional Charging Feature to support HA	approved	C	6.2.0	OSA3	N5
NP-040358	29.198-12	033	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040354	29.198-13	010	-	6.1.0	Rel-6	Introduce Java Realisation Annex	approved	F	6.2.0	OSA3	N5
NP-040355	29.198-13	011	-	5.5.0	Rel-5	Correct J2EE source	approved	F	5.6.0	OSA2	N5
NP-040358	29.198-13	012	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040355	29.198-14	022	-	5.6.0	Rel-5	Correct J2EE source	approved	F	5.7.0	OSA2	N5

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NP-040355	29.198-14	023	-	6.1.0	Rel-6	Correct J2EE source	approved	A	6.2.0	OSA2	N5
NP-040358	29.198-14	024	-	6.1.0	Rel-6	Support High Availability at API Level	approved	F	6.2.0	OSA3	N5
NP-040333	29.207	131	2	5.8.0	Rel-5	COPS DEC message handling	approved	F	5.9.0	E2EQoS	N3
NP-040333	29.207	132	2	6.0.0	Rel-6	COPS DEC message handling	approved	A	6.1.0	E2EQoS	N3
NP-040333	29.207	133	2	5.8.0	Rel-5	COPS-PR "Request State" flag not set for authorization failure decision	approved	F	5.9.0	E2EQoS	N3
NP-040333	29.207	134	2	6.0.0	Rel-6	COPS-PR "Request State" flag not set for authorization failure decision	approved	A	6.1.0	E2EQoS	N3
NP-040338	29.207	137	-	6.0.0	Rel-6	29.207-Rel6: accumulated CR for Gq impacts	approved	B	6.1.0	QoS1	N3
NP-040338	29.208	073	-	6.0.0	Rel-6	29.208-Rel6: accumulated CR for Gq impacts	approved	B	6.1.0	QoS1	N3
NP-040393	29.228	108	1	5.8.0	Rel-5	LIR and services related to unregistered state	Withdrawn	F		IMS-CCR	N4
NP-040416	29.228	108	1	5.8.0	Rel-5	LIR and services related to unregistered state	approved	F	5.9.0	IMS-CCR	N4
NP-040416	29.228	109	3	6.3.0	Rel-6	LIR and services related to unregistered state	approved	A	6.4.0	IMS-CCR	N4
NP-040393	29.228	109	3	6.3.0	Rel-6	LIR and services related to unregistered state	Withdrawn	A		IMS-CCR	N4
NP-040401	29.228	118	1	6.3.0	Rel-6	XML versioning	approved	C	6.4.0	IMS2-CCR	N4
NP-040416	29.228	119	3	5.8.0	Rel-5	Use of regular expressions	approved	F	5.9.0	IMS-CCR	N4
NP-040393	29.228	119	3	5.8.0	Rel-5	Use of regular expressions	Withdrawn	F		IMS-CCR	N4
NP-040416	29.228	120	3	6.3.0	Rel-6	Use of regular expressions	approved	A	6.4.0	IMS-CCR	N4
NP-040393	29.228	120	3	6.3.0	Rel-6	Use of regular expressions	Withdrawn	A		IMS-CCR	N4
NP-040401	29.228	121	2	6.3.0	Rel-6	Triggering initial REGISTER messages	approved	B	6.4.0	IMS2-CCR	N4
NP-040401	29.228	122	1	6.3.0	Rel-6	Optimization of User Profile Download	approved	B	6.4.0	IMS2-CCR	N4
NP-040396	29.228	123	2	5.8.0	Rel-5	Simplification of the User Profile Split concept	approved	F	5.9.0	IMS-CCR	N4
NP-040396	29.228	124	2	6.3.0	Rel-6	Simplification of the User Profile Split concept	approved	A	6.4.0	IMS-CCR	N4
NP-040401	29.229	056	-	6.1.0	Rel-6	Optimization of User Profile Download	approved	B	6.2.0	IMS2-CCR	N4
NP-040396	29.229	057	-	5.7.0	Rel-5	Simplification of the User Profile Split concept	approved	F	5.8.0	IMS-CCR	N4
NP-040396	29.229	058	-	6.1.0	Rel-6	Simplification of the User Profile Split concept	approved	A	6.2.0	IMS-CCR	N4
NP-040394	29.229	060	-	5.7.0	Rel-5	Correction of the Application-Id code	approved	F	5.8.0	IMS-CCR	N4
NP-040394	29.229	061	-	6.1.0	Rel-6	Correction of the Application-Id code	approved	A	6.2.0	IMS-CCR	N4

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NP-040412	29.229	062	1	5.7.0	Rel-5	Renumbering of 3GPP specific AVP codes	approved	F	5.8.0	TEI5	N4
NP-040412	29.229	063	1	6.1.0	Rel-6	Renumbering of 3GPP specific AVP codes	approved	A	6.2.0	TEI5	N4
NP-040395	29.229	064	1	5.7.0	Rel-5	Application version control	approved	F	5.8.0	IMS-CCR	N4
NP-040395	29.229	065	2	6.1.0	Rel-6	Application version control	approved	C	6.2.0	IMS-CCR	N4
NP-040401	29.230	001	-	6.0.0	Rel-6	Correction of Charging application reference	approved	F	6.1.0	IMS2-CCR	N4
NP-040401	29.230	002	-	6.0.0	Rel-6	Correction of the Application-Id code	approved	F	6.1.0	IMS2-CCR	N4
NP-040401	29.230	003	-	6.0.0	Rel-6	Removal of User Data Request Type AVP	approved	F	6.1.0	IMS2-CCR	N4
NP-040412	29.230	004	1	6.0.0	Rel-6	Renumbering of 3GPP specific AVP codes	approved	F	6.1.0	TEI6	N4
NP-040392	29.232	062	1	4.8.0	Rel-4	Correction of Procedure “Activate Voice Processing Function”	approved	F	4.9.0	TEI4	N4
NP-040392	29.232	063	-	5.7.0	Rel-5	Correction of Procedure “Activate Voice Processing Function”	approved	A	5.8.0	TEI4	N4
NP-040418	29.232	064	-	5.7.0	Rel-5	Provisioning Of Base Root package properties	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	064	-	5.7.0	Rel-5	Provisioning Of Base Root package properties	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	065	-	5.7.0	Rel-5	Service Change Address	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	065	-	5.7.0	Rel-5	Service Change Address	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	066	-	5.7.0	Rel-5	Use Of Event Buffers	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	066	-	5.7.0	Rel-5	Use Of Event Buffers	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	067	-	5.7.0	Rel-5	Digit Maps	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	067	-	5.7.0	Rel-5	Digit maps	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	068	-	5.7.0	Rel-5	IP Secured Transport	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	068	-	5.7.0	Rel-5	IP secured transport	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	069	-	5.7.0	Rel-5	Use Of Audit Value	rejected	F		TEI5	N4
NP-040399	29.232	069	-	5.7.0	Rel-5	Use Of Audit Value	postponed	F		TEI5	N4
NP-040399	29.232	072	1	5.7.0	Rel-5	Use Of Statistics	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	072	1	5.7.0	Rel-5	Use Of Statistics	approved	F	5.8.0	TEI5	N4
NP-040399	29.232	074	-	5.7.0	Rel-5	Termination Restoration	approved	F	5.8.0	TEI5	N4
NP-040418	29.232	074	-	5.7.0	Rel-5	Termination Restoration	approved	F	5.8.0	TEI5	N4
NP-040392	29.232	075	2	5.7.0	Rel-5	3GUP package corrections	approved	A	5.8.0	TEI4	N4
NP-040392	29.232	076	1	4.8.0	Rel-4	3GUP package corrections	approved	F	4.9.0	TEI4	N4
NP-040397	29.278	006	1	5.2.0	Rel-5	Correction to ERB pre-condition for IM-SSF state	approved	F	5.3.0	CAMEL	N4
NP-040401	29.328	088	1	6.2.0	Rel-6	XML versioning	approved	C	6.3.0	IMS2-CCR	N4
NP-040401	29.328	094	1	6.2.0	Rel-6	Triggering initial REGISTER messages	approved	F	6.3.0	IMS2-CCR	N4
NP-040394	29.329	040	1	5.6.0	Rel-5	Public-Identity is unspecified for the Sh interface	approved	F	5.7.0	IMS-CCR	N4
NP-040394	29.329	041	1	6.1.0	Rel-6	Public-Identity is unspecified for the Sh interface	approved	A	6.2.0	IMS-CCR	N4
NP-040394	29.329	042	-	5.6.0	Rel-5	Incorrect Data-Reference AVP in Subscriber Notification Answer Command	approved	F	5.7.0	IMS-CCR	N4
NP-040394	29.329	043	-	6.1.0	Rel-6	Incorrect Data-Reference AVP in Subscriber Notification Answer Command	approved	A	6.2.0	IMS-CCR	N4
NP-040394	29.329	044	1	5.6.0	Rel-5	Single Public_Identity required in Grouped User-Identity AVP	approved	F	5.7.0	IMS-CCR	N4

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NP-040394	29.329	045	1	6.1.0	Rel-6	Single Public_Identity required in Grouped User-Identity AVP	approved	A	6.2.0	IMS-CCR	N4
NP-040395	29.329	046	1	6.1.0	Rel-6	Application version control	approved	C	6.2.0	IMS-CCR	N4
NP-040395	29.329	047	-	5.6.0	Rel-5	Application version control	approved	F	5.7.0	IMS-CCR	N4
NP-040394	29.329	048	-	5.6.0	Rel-5	Correction of the Application-Id code	approved	F	5.7.0	IMS-CCR	N4
NP-040394	29.329	049	-	6.1.0	Rel-6	Correction of the Application-Id code	approved	A	6.2.0	IMS-CCR	N4
NP-040412	29.329	050	1	5.6.0	Rel-5	Renumbering of 3GPP specific AVP codes	approved	F	5.7.0	TEI5	N4
NP-040412	29.329	051	1	6.1.0	Rel-6	Renumbering of 3GPP specific AVP codes	approved	A	6.2.0	TEI5	N4
NP-040386	29.994	A018	2	5.0.1	Rel-6	Incorrect handling, by MS, of registration acceptance messages that include R99 and later Ies	approved	F	6.0.0	TEI6	N1
TP-040180	31.101	029	-	6.2.0	Rel-6	Requirement for higher UICC/Terminal interface speed	approved	B	6.3.0	TEI	T3
TP-040180	31.101	030	-	6.2.0	Rel-6	Move “GSM/USIM application interactions and restrictions” from ETSI TS 102 221	approved	B	6.3.0	TEI	T3
TP-040181	31.102	233	1	6.6.0	Rel-6	VGCS/VBS security	approved	B	6.7.0	TEI	T3
TP-040181	31.102	234	-	6.6.0	Rel-6	MMs storage on the card	approved	B	6.7.0	TEI	T3
TP-040181	31.102	235	-	6.6.0	Rel-6	GBAU ME-USIM interface	approved	B	6.7.0	SEC1-SC	T3
TP-040181	31.102	236	-	6.6.0	Rel-6	Introduction of M-IMAP and SIP as MMS implementations in MMS provisioning	postponed	B		TEI	T3
TP-040181	31.102	237	1	6.6.0	Rel-6	Editorial changes in WLAN identities lists	approved	D	6.7.0	I-WLAN	T3
TP-040181	31.102	238	-	6.6.0	Rel-6	Storage of WLAN fast re-authentication information	approved	B	6.7.0	TEI	T3
TP-040181	31.102	239	-	6.6.0	Rel-6	MBMS security	approved	B	6.7.0	MBMS	T3
TP-040181	31.102	240	-	5.9.0	Rel-5	Correction of a wrong reference to TS 102 221	approved	F	5.10.0	TEI	T3
TP-040181	31.102	241	-	6.6.0	Rel-6	Removal of a wrong reference to 102 221	approved	F	6.7.0	TEI	T3
TP-040181	31.102	242	-	6.6.0	Rel-6	Alignement with requirements regarding USSD usage	approved	B	6.7.0	TEI	T3
TP-040181	31.102	243	-	5.9.0	Rel-5	Correction of PPS procedure	approved	F	5.10.0	TEI	T3
TP-040182	31.103	016	-	6.4.0	Rel-6	New 3GPP2 IMS authentication context in ISIM	approved	B	6.5.0	TEI	T3
TP-040182	31.103	017	-	6.4.0	Rel-6	GBAU ME-ISIM interface	approved	B	6.5.0	SEC1-SC	T3
TP-040182	31.103	018	-	5.6.0	Rel-5	Correction of PPS procedure	approved	F	5.7.0	TEI	T3
TP-040183	31.111	110	-	3.12.0	R99	Correction of possible terminal responses versus proactive commands in relation to the display of icons	approved	F	3.13.0	TEI	T3
TP-040183	31.111	111	-	6.2.0	Rel-6	MMS Management by USAT	approved	B	6.3.0	TEI	T3
TP-040183	31.111	112	-	6.2.0	Rel-6	Correction of wording for call control	approved	D	6.3.0	TEI	T3
TP-040183	31.111	113	-	6.2.0	Rel-6	Alignement with SCP TS 102 223	approved	B	6.3.0	TEI	T3
TP-040183	31.111	114	-	6.2.0	Rel-6	Disallow SMS/SS/USSD transmission in the case where UICC responds with an error status code in Envelope Confirmation.	approved	F	6.3.0	TEI	T3
TP-040183	31.111	115	-	6.2.0	Rel-6	Modifications in the reference	approved	D	6.3.0	TEI	T3
TP-040183	31.111	116	-	6.2.0	Rel-6	Alignement with requirements regarding USSD usage	approved	F	6.3.0	USSD	T3
TP-040183	31.111	117	-	3.12.0	R99	Essential corrections in content and coding of BC Repeat indicator	approved	F	3.13.0	TEI	T3
TP-040183	31.111	118	-	4.11.0	Rel-4	Essential corrections in content and coding of BC Repeat indicator	approved	A	4.12.0	TEI	T3
TP-040183	31.111	119	-	5.6.0	Rel-5	Essential corrections in content and coding of BC Repeat indicator	approved	A	5.7.0	TEI	T3
TP-040183	31.111	120	-	6.2.0	Rel-6	Essential corrections in content and coding of BC Repeat indicator	approved	A	6.3.0	TEI	T3
TP-040183	31.111	121	-	6.2.0	Rel-6	Add the Network measurement information for UTRAN in PROVIDE LOCAL INFORMATION functionality.	approved	C	6.3.0	TEI	T3
TP-040183	31.111	122	-	6.2.0	Rel-6	Description of the USSD flow	approved	F	6.3.0	USSD	T3
TP-040185	31.116	006	-	6.4.0	Rel-6	Alignment with TS 102 226 V6.8.0	approved	B	6.5.0	TEI	T3

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TP-040184	31.121	034	-	3.9.0	R99	alignment with TS 51.010-1 on default EF-ADN configuration	approved	F	3.10.0	TEI	T3
TP-040184	31.121	035	-	4.8.0	Rel-4	alignment with TS 51.010-1 on default EF-ADN configuration	approved	A	4.9.0	TEI	T3
TP-040184	31.121	035	-	3.9.0	R99	Essential Corrections on sections 2-6	approved	F	3.10.0	TEI	T3
TP-040184	31.121	036	-	4.8.0	Rel-4	Essential Corrections on sections 2-6	approved	F	4.9.0	TEI	T3
TP-040184	31.121	037	-	3.9.0	R99	Essential Corrections on section 7	approved	F	3.10.0	TEI	T3
TP-040184	31.121	038	-	4.8.0	Rel-4	Essential Corrections on section 7	approved	A	4.9.0	TEI	T3
TP-040184	31.121	039	-	3.9.0	R99	Correction of SMS related test cases	approved	F	3.10.0	TEI	T3
TP-040184	31.121	040	-	4.8.0	Rel-4	Correction of SMS related test cases	approved	F	4.9.0	TEI	T3
TP-040184	31.121	041	-	3.9.0	R99	Correction of Access Control handling related test case TC 5.2.1.	approved	F	3.10.0	TEI	T3
TP-040184	31.121	042	-	4.8.0	Rel-4	Correction of Access Control handling related test case TC 5.2.1.	approved	A	4.9.0	TEI	T3
TP-040184	31.121	043	-	4.8.0	Rel-4	Creation of MMS related tests	approved	B	4.9.0	TEI	T3
TP-040188	31.900	014	-	5.4.0	Rel-5	Correction of card operation modes	approved	F	5.5.0	TEI	T3
SP-040572	32.104	014	-	3.8.0	R99	Correction of measObjInstId length limitations in the Measurement Report File Format	approved	F	3.9.0	OAM-PM	S5
SP-040560	32.111-2	031	-	6.1.0	Rel-6	Add more definition of MonitoredEntity IOC to clarify the scope of it and rule for alarm mapping	approved	B	6.2.0	OAM-NIM	S5
SP-040561	32.111-4	027	-	5.7.1	Rel-5	Align with the IS 32.111-2 the possibility to apply filters to notification parameters	approved	F	5.8.0	OAM-NIM	S5
SP-040561	32.111-4	028	-	6.1.0	Rel-6	Align with the IS 32.111-2 the possibility to apply filters to notification parameters	approved	A	6.2.0	OAM-NIM	S5
SP-040559	32.150	001	-	6.0.0	Rel-6	Add Style Guide for CORBA SS IDL	approved	B	6.1.0	OAM-NIM	S5
SP-040548	32.205	027	-	5.7.0	Rel-5	Inclusion of UTRAN positioning data parameter – Align with 29.002 CR 710	approved	F	5.8.0	OAM-CH	S5
SP-040548	32.215	036	-	5.6.0	Rel-5	Inclusion of UTRAN positioning data parameter – Align with 29.002 CR 710	approved	F	5.7.0	OAM-CH	S5
SP-040549	32.250	001	-	6.0.0	Rel-6	Add missing charging principles for CAMEL CPH – Align with CN2's 23.078	approved	F	6.1.0	CH-BC	S5
SP-040562	32.303	012	-	6.0.0	Rel-6	Update 32.303 using IDL Style Guide	approved	F	6.1.0	OAM-NIM	S5
SP-040572	32.401	016	-	4.4.0	Rel-4	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	F	4.5.0	OAM-PM	S5
SP-040572	32.401	017	-	5.3.0	Rel-5	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	A	5.4.0	OAM-PM	S5
SP-040572	32.401	018	-	6.2.0	Rel-6	Correction of measObjInstId and measType length limitations in the Measurement Report File Format	approved	A	6.3.0	OAM-PM	S5
SP-040573	32.401	019	-	6.2.0	Rel-6	Removal of XML DTD file format definitions	approved	C	6.3.0	OAM-PM	S5
SP-040573	32.401	020	-	6.2.0	Rel-6	Add jobId in PM file name	approved	B	6.3.0	OAM-PM	S5
SP-040574	32.403	040	-	6.4.0	Rel-6	Restructure clauses 5 and 6 to follow the style of other clauses related to UTRAN measurements for extensibility	approved	D	6.5.0	OAM-PM	S5
SP-040574	32.403	041	-	6.4.0	Rel-6	Add measurements about Mobility Management	approved	B	6.5.0	OAM-PM	S5
SP-040574	32.403	042	-	6.4.0	Rel-6	Add mesurements about “PDP context activation procedures initiated by Network”	approved	B	6.5.0	OAM-PM	S5
SP-040574	32.403	043	-	6.4.0	Rel-6	Add measurements about relocation	approved	B	6.5.0	OAM-PM	S5
SP-040574	32.403	044	-	6.4.0	Rel-6	Change of the mesurements about “SRNS Relocation”	approved	C	6.5.0	OAM-PM	S5

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SP-040574	32.403	045	-	6.4.0	Rel-6	Split measurements about successful PDP context deactivation	approved	C	6.5.0	OAM-PM	S5
SP-040575	32.403	046	-	4.7.0	Rel-4	Correction of “Mobility Management” GPRS attach measurement definitions	approved	F	4.8.0	OAM-PM	S5
SP-040575	32.403	047	-	5.7.0	Rel-5	Correction of “Mobility Management” GPRS attach measurement definitions	approved	A	5.8.0	OAM-PM	S5
SP-040575	32.403	048	-	6.4.0	Rel-6	Correction of “Mobility Management” GPRS attach measurement definitions	approved	A	6.5.0	OAM-PM	S5
SP-040576	32.403	049	-	5.7.0	Rel-5	Correction of measurement about “Failed PDP context activation procedures initiated by Network”	rejected	F		OAM-PM	S5
SP-040576	32.403	050	-	6.4.0	Rel-6	Correction of measurement about “Failed PDP context activation procedures initiated by Network”	rejected	A		OAM-PM	S5
SP-040577	32.403	051	-	4.7.0	Rel-4	Add missing Measurement Name Length constraints	rejected	F		OAM-PM	S5
SP-040577	32.403	052	-	5.7.0	Rel-5	Add missing Measurement Name Length constraints	approved	F	5.8.0	OAM-PM	S5
SP-040577	32.403	053	-	6.4.0	Rel-6	Add missing Measurement Name Length constraints	approved	A	6.5.0	OAM-PM	S5
SP-040558	32.412	003	-	6.1.0	Rel-6	Add Measurement Job Overload Management function	approved	B	6.2.0	OAM-PM	S5
SP-040557	32.412	004	-	6.1.0	Rel-6	Align threshold alarm trigger to the definition in 32.411	approved	F	6.2.0	OAM-PM	S5
SP-040556	32.412	005	-	6.1.0	Rel-6	Extend the scope of ManagedEntity IOC to support collecting and monitoring measurement types related to vendor specific IOCs	approved	B	6.2.0	OAM-PM	S5
SP-040556	32.412	006	-	6.1.0	Rel-6	Add definition of post condition for operation suspendMeasurementJob	approved	F	6.2.0	OAM-PM	S5
SP-040557	32.413	002	-	6.1.0	Rel-6	Align to latest PM IRP Information Service (IS) 32.412 version number	approved	F	6.2.0	OAM-PM	S5
SP-040558	32.413	003	-	6.1.0	Rel-6	Add Measurement Job Overload Management function – Align with 32.412	approved	B	6.2.0	OAM-PM	S5
SP-040542	32.421	004	-	6.3.0	Rel-6	Removal of GERAN from Rel-6 32.42x series of Trace specifications	approved	F	6.4.0	OAM-Trace	S5
SP-040567	32.603	011	-	5.2.0	Rel-5	Removal of Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM	S5
SP-040567	32.603	012	-	6.0.0	Rel-6	Removal of Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	A	6.1.0	OAM-NIM	S5
SP-040566	32.603	013	-	5.2.0	Rel-5	Removal of unused/duplicate definition of types MOReference and MOReferenceSet	approved	F	5.3.0	OAM-NIM	S5
SP-040566	32.603	014	-	6.0.0	Rel-6	Removal of unused/duplicate definition of types MOReference and MOReferenceSet	approved	A	6.1.0	OAM-NIM	S5
SP-040571	32.611	003	-	6.0.0	Rel-6	Enhancements to Bulk CM IRP for Security	approved	B	6.1.0	OAM-NIM	S5
SP-040582	32.622	019	-	5.4.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.5.0	OAM-NIM	S5
SP-040567	32.623	012	-	5.3.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.4.0	OAM-NIM	S5
SP-040567	32.623	013	-	6.2.0	Rel-6	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	A	6.3.0	OAM-NIM	S5
SP-040581	32.623	014	-	6.2.0	Rel-6	Add missing Inheritance in CORBA IDL	approved	F	6.3.0	OAM-NIM	S5

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SP-040582	32.632	011	-	5.5.0	Rel-5	Correction of modelling of Media GateWay (MGW) and of Class diagrams with respect to MSC and MGW functions	approved	F	5.6.0	OAM-NIM	S5
SP-040567	32.633	004	-	5.1.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.2.0	OAM-NIM	S5
SP-040582	32.633	005	-	5.1.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.2.0	OAM-NIM	S5
SP-040581	32.633	006	-	5.1.0	Rel-6	Add Inheritance in CORBA IDL	approved	B	6.0.0	OAM-NIM	S5
SP-040582	32.634	005	-	5.2.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.3.0	OAM-NIM	S5
SP-040591	32.634	006	-	5.2.0	Rel-5	Removal of the 3GPP Release# cross references in the GDMO section	approved	F	5.3.0	OAM-NIM	S5
SP-040583	32.635	006	-	5.3.0	Rel-5	Add missing elements in the Core Network XML file format definition	approved	F	5.4.0	OAM-NIM	S5
SP-040582	32.635	007	-	5.3.0	Rel-5	Correction of modelling of Media GateWay (MGW)	approved	F	5.4.0	OAM-NIM	S5
SP-040584	32.642	022	-	6.1.0	Rel-6	Add support for the state change notification in UTRAN network resources IRP NRM	approved	B	6.2.0	OAM-NIM	S5
SP-040595	32.642	023	-	6.1.0	Rel-6	Include ATM in CM UTRAN network resources IRP NRM	approved	B	6.2.0	OAM-NIM	S5
SP-040585	32.642	024	-	4.4.0	Rel-4	Align with the IRP IS template in 32.102 Telecommunication management; Architecture	rejected	F		OAM-CM	S5
SP-040585	32.642	025	-	5.4.0	Rel-5	Align with the IRP IS template in 32.102 Telecommunication management; Architecture	approved	A	5.5.0	OAM-NIM	S5
SP-040585	32.642	026	-	6.1.0	Rel-6	Align with the IRP IS template (32.151) and IRP IS UML repertoire (32.152)	approved	F	6.2.0	OAM-NIM	S5
SP-040587	32.642	027	-	6.1.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna	approved	B	6.2.0	OAM-NIM	S5
SP-040589	32.643	010	-	5.3.0	Rel-5	Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM	approved	F	5.4.0	OAM-NIM	S5
SP-040589	32.643	011	-	6.1.0	Rel-6	Add the operationalState to the UtranCell – Align the CORBA SS with 32.642 CM; UTRAN network resources IRP NRM	approved	A	6.2.0	OAM-NIM	S5
SP-040595	32.643	012	-	6.1.0	Rel-6	Include ATM in CM UTRAN network resources IRP CORBA Solution Set	approved	B	6.2.0	OAM-NIM	S5
SP-040590	32.643	013	-	6.1.0	Rel-6	Correct the definintions in the “CellModeEnumType” and “TimeSlotStatusType”	approved	F	6.2.0	OAM-NIM	S5
SP-040586	32.643	014	-	5.3.0	Rel-5	Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM	approved	F	5.4.0	OAM-NIM	S5
SP-040586	32.643	015	-	6.1.0	Rel-6	Align the CORBA SS with 32.642 Configuration Management (CM); UTRAN network resources IRP NRM	approved	A	6.2.0	OAM-NIM	S5
SP-040587	32.643	016	-	6.1.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna to CORBA IDL and Add Inheritance	approved	B	6.2.0	OAM-NIM	S5
SP-040591	32.644	014	-	5.5.0	Rel-5	Correction of the types of the attributes cId, localCellId and rncId	approved	F	5.6.0	OAM-NIM	S5
SP-040592	32.645	012	-	5.5.0	Rel-5	Correction of the XML code – Reinsertion of “targetNamespace=”	approved	F	5.6.0	OAM-NIM	S5
SP-040592	32.645	013	-	6.0.0	Rel-6	Correction of the XML code – Reinsertion of the closing tag	approved	F	6.1.0	OAM-NIM	S5
SP-040595	32.645	014	-	6.0.0	Rel-6	Include ATM in CM UTRAN network resources IRP XML Schema definition	approved	B	6.1.0	OAM-NIM	S5

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SP-040587	32.645	015	-	6.0.0	Rel-6	Add support for Remote control of Electrical Tilting (RET) antenna to the Bulk CM XSD file	approved	B	6.1.0	OAM-NIM	S5
SP-040584	32.652	018	-	5.3.0	Rel-6	Add support for the state change notification in GERAN network resources IRP NRM	approved	B	6.0.0	OAM-NIM	S5
SP-040593	32.653	007	-	5.2.0	Rel-5	Add the operationalState to the BtsSiteMgr – Align the CORBA SS with 32.652 CM; GERAN network resources IRP NRM	approved	F	5.3.0	OAM-NIM	S5
SP-040567	32.653	008	-	5.2.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM	S5
SP-040581	32.653	009	-	5.2.0	Rel-6	Add Inheritance in CORBA IDL	approved	B	6.0.0	OAM-NIM	S5
SP-040593	32.654	010	-	5.4.0	Rel-6	Add the state change notification to the MOC btsSiteMgr – Align the CMIP SS with 32.652 CM; GERAN network resourcesIRP NRM	approved	B	6.0.0	OAM-NIM	S5
SP-040594	32.655	010	-	5.5.0	Rel-5	Correction of the XML code – Reinsertion of “targetNamespace=”	approved	F	5.6.0	OAM-NIM	S5
SP-040567	32.663	005	-	5.2.0	Rel-5	Correction in Rules for NRM extensions - Align with 32.622 (Generic NRM IS)	approved	F	5.3.0	OAM-NIM	S5
SP-040568	32.663	006	-	5.2.0	Rel-5	Add missing DN definition	approved	F	5.3.0	OAM-NIM	S5
SP-040568	32.663	007	-	6.1.0	Rel-6	Add missing DN definition	approved	A	6.2.0	OAM-NIM	S5
SP-040568	32.663	008	-	5.2.0	Rel-5	Add missing IDL for get_kernel_CM_IRP_versions	approved	F	5.3.0	OAM-NIM	S5
SP-040568	32.663	009	-	6.1.0	Rel-6	Add missing IDL for get_kernel_CM_IRP_versions	approved	A	6.2.0	OAM-NIM	S5
SP-040569	32.663	010	-	6.1.0	Rel-6	Add State Management Support to Kernel CM IRP CORBA SS	approved	B	6.2.0	OAM-NIM	S5
SP-040570	32.664	003	-	6.1.0	Rel-6	Add State Management support to Kernel CM IRP CMIP SS	approved	B	6.2.0	OAM-NIM	S5
SP-040588	32.673	002	-	5.1.0	Rel-5	Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service	approved	F	5.2.0	OAM-NIM	S5
SP-040588	32.673	003	-	6.0.0	Rel-6	Correction of the alarmStatus mapping – Align with 32.672 CM; State Management IRP Information Service	approved	A	6.1.0	OAM-NIM	S5
SP-040569	32.673	004	-	6.0.0	Rel-6	Provide constant definitions to support state change events	approved	B	6.1.0	OAM-NIM	S5
SP-040627	33.102	187	-	5.4.0	Rel-5	Correction to mis-implementation of CR175: Rel4- definition	approved	F	5.5.0	SEC1	S3
SP-040627	33.102	188	-	6.1.0	Rel-6	Correction to mis-implementation of CR175: Rel4- definition	approved	A	6.2.0	SEC1	S3
SP-040616	33.107	044	-	6.2.0	Rel-6	Correction on the use of session initiator parameter	approved	F	6.3.0	SEC1-LI	S3
SP-040616	33.107	045	-	6.2.0	Rel-6	ICE (Intercepting Control Elements), INE (Intercepting Network Elements) definition	approved	F	6.3.0	SEC1-LI	S3
SP-040616	33.107	046	-	6.2.0	Rel-6	Clarification to SMS interception	approved	F	6.3.0	SEC1-LI	S3
SP-040616	33.107	047	-	6.2.0	Rel-6	Replace SIP URL with SIP URI	approved	F	6.3.0	SEC1-LI	S3
SP-040616	33.108	050	-	6.6.0	Rel-6	Explanation concerning the Sequence Number	approved	F	6.7.0	SEC1-LI	S3
SP-040616	33.108	051	-	6.6.0	Rel-6	National ASN.1 parameter	approved	B	6.7.0	SEC1-LI	S3
SP-040616	33.108	052	-	6.6.0	Rel-6	Clarifying clause titles	approved	D	6.7.0	SEC1-LI	S3

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SP-040616	33.108	053	-	6.6.0	Rel-6	Adding azimuth in location	approved	B	6.7.0	SEC1-LI	S3
SP-040616	33.108	054	-	6.6.0	Rel-6	Correction of the Subaddressing definitions	approved	C	6.7.0	SEC1-LI	S3
SP-040616	33.108	055	-	6.6.0	Rel-6	Correction to hi3DomainId definition	revised	F		SEC1-LI	S3
SP-040685	33.108	055	1	6.6.0	Rel-6	Correction to hi3DomainId definition	approved	F	6.7.0	SEC1-LI	S3
SP-040616	33.108	056	-	6.6.0	Rel-6	Correction of wrong use of abbreviations	approved	D	6.7.0	SEC1-LI	S3
SP-040616	33.108	057	-	6.6.0	Rel-6	Differences between subaddress sections in 33.108 and ETSI TS 101 671	approved	C	6.7.0	SEC1-LI	S3
SP-040616	33.108	058	-	6.6.0	Rel-6	Replace SIP URL with SIP URI	approved	F	6.7.0	SEC1-LI	S3
SP-040616	33.108	059	-	6.6.0	Rel-6	Corrections to References	approved	F	6.7.0	SEC1-LI	S3
SP-040617	33.141	001	-	6.0.0	Rel-6	ISIM used in GBA	approved	C	6.1.0	PRES NC	S3
SP-040617	33.141	002	-	6.0.0	Rel-6	Further modifications to TLS profile related text in 33.141	approved	F	6.1.0	PRES NC	S3
SP-040617	33.141	003	-	6.0.0	Rel-6	Editorial cleanup of TS 33.141	approved	D	6.1.0	PRES NC	S3
SP-040617	33.141	004	-	6.0.0	Rel-6	Clarification on Ut interface	approved	F	6.1.0	PRES NC	S3
SP-040618	33.203	068	-	5.8.0	Rel-5	Deletion of old authentication vectors in S-CSCF after re-synchronization	approved	F	5.9.0	IMS-ASEC	S3
SP-040618	33.203	069	-	6.3.0	Rel-6	Deletion of old authentication vectors in S-CSCF after re-synchronization	approved	A	6.4.0	IMS-ASEC	S3
SP-040618	33.203	070	-	6.3.0	Rel-6	Forwards compatibility to TLS based access security	postponed	F		IMS-ASEC	S3
SP-040618	33.203	071	-	6.3.0	Rel-6	SIP Privacy mechanism when IMS interworking with non-IMS (foreign) network	approved	F	6.4.0	IMS-ASEC	S3
SP-040618	33.203	072	-	6.3.0	Rel-6	IMS Service Profile is independent from Implicit Registration Set	approved	F	6.4.0	IMS-ASEC	S3
SP-040619	33.220	010	-	6.1.0	Rel-6	Detailing of key lifetime	approved	F	6.2.0	SEC1-SC	S3
SP-040619	33.220	011	-	6.1.0	Rel-6	Details of USIM/ISIM usage in GAA	approved	C	6.2.0	SEC1-SC	S3
SP-040619	33.220	012	-	6.1.0	Rel-6	Generic Ua interface requirements	approved	C	6.2.0	SEC1-SC	S3
SP-040619	33.220	013	-	6.1.0	Rel-6	B-TID generation	approved	C	6.2.0	SEC1-SC	S3
SP-040619	33.220	014	-	6.1.0	Rel-6	Securing Zn reference point	approved	C	6.2.0	SEC1-SC	S3
SP-040619	33.220	015	-	6.1.0	Rel-6	GBA User Security Settings	approved	F	6.2.0	SEC1-SC	S3
SP-040619	33.220	016	-	6.1.0	Rel-6	Creation of GBA_U AV in the BSF	approved	B	6.2.0	SEC1-SC	S3
SP-040619	33.220	017	-	6.1.0	Rel-6	Clarification of the definition of a default type of NAF-specific key	approved	D	6.2.0	SEC1-SC	S3

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SP-040620	33.221	001	-	6.0.0	Rel-6	User security settings	approved	D	6.1.0	SEC1-SC	S3
SP-040620	33.221	002	-	6.0.0	Rel-6	Editorial cleanup	approved	D	6.1.0	SEC1-SC	S3
SP-040620	33.221	003	-	6.0.0	Rel-6	Cleanup of procedure descriptions	approved	F	6.1.0	SEC1-SC	S3
SP-040620	33.221	004	-	6.0.0	Rel-6	Removal of unnecessary editor's notes	approved	F	6.1.0	SEC1-SC	S3
SP-040621	33.222	001	-	6.0.0	Rel-6	GBA User Security Settings	approved	D	6.1.0	SEC1-SC	S3
SP-040621	33.222	002	-	6.0.0	Rel-6	GBA supported indication and NAF hostname transfer in HTTP and in PSK TLS	approved	C	6.1.0	SEC1-SC	S3
SP-040621	33.222	003	-	6.0.0	Rel-6	Editorial clean-up of TS 33.222	approved	D	6.1.0	SEC1-SC	S3
SP-040621	33.222	004	-	6.0.0	Rel-6	Further modifications to TLS profile related text in 33.222	approved	F	6.1.0	SEC1-SC	S3
SP-040622	33.234	010	-	6.1.0	Rel-6	Update referece to RFC3748 "Extensible Authentication Protocol (EAP)"	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	011	-	6.1.0	Rel-6	References update	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	012	-	6.1.0	Rel-6	Sending of temporary identities from WLAN UE	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	013	-	6.1.0	Rel-6	Clarification on fast re-authentication procedure	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	014	-	6.1.0	Rel-6	Correction of authentication procedure for WLAN UE split	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	015	-	6.1.0	Rel-6	Modification of mechanism to restrict simultaneous WLAN sessions	approved	C	6.2.0	WLAN	S3
SP-040622	33.234	016	-	6.1.0	Rel-6	Wa interface security	approved	C	6.2.0	WLAN	S3
SP-040622	33.234	017	-	6.1.0	Rel-6	Introduction of protected result indications	approved	F	6.2.0	WLAN	S3
SP-040622	33.234	018	-	6.1.0	Rel-6	Tunnel authentication procedure in Wm interface	approved	F	6.2.0	WLAN	S3
SP-040623	33.310	004	-	6.1.0	Rel-6	Splitting the Roaming CA into a SEG CA and an Interconnection CA	approved	C	6.2.0	SEC1-NDS-AF	S3
TP-040157	34.108	340	-	5.1.0	Rel-5	Resolution of downlink code conflict between OCNS DPCH and S-CCPCH	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	341	-	5.1.0	Rel-5	Correct title to test procedure for test cases using Cell_PCH or URA_PCH state	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	342	-	5.1.0	Rel-5	Correct primary scrambling code usage in default message contents in section 9.2.1	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	343	-	5.1.0	Rel-5	Correction to generic test procedure in section 7.4.2.6a.	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	344	-	5.1.0	Rel-5	Addition of default messages for Signalling (FDD)	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	345	-	5.1.0	Rel-5	Minor change to terminology in SRB tables of clause 6.10	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	346	-	5.1.0	Rel-5	Default Message Content for System Information Block type 5 (FDD) and type 6 (FDD)	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	347	-	5.1.0	Rel-5	Corrections to DCCH Transport Channel Parameters for HSDPA RAB	approved	D	5.2.0	TEI5	T1
TP-040157	34.108	348	-	5.1.0	Rel-5	Corrections to clause 9	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	349	-	5.1.0	Rel-5	Corrections to HCR TDD RAB combinations	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	350	-	5.1.0	Rel-5	Adding missing sub-clause 6.10.2.4.1.62.1	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	351	-	5.1.0	Rel-5	Modification of AICH power offset in SysInfo 5 and 6.	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	352	-	5.1.0	Rel-5	Correction to Default Message Content for Radio Bearer Setup Message.	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	353	-	5.1.0	Rel-5	Correction to Default Message Content for Radio Bearer Reconfiguration Message for Condition A6	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	354	-	5.1.0	Rel-5	CR to 34.108: introduction of default RB SETUP message from cell_FACH state for HSDPA	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	355	-	5.1.0	Rel-5	Corrections to Contents of RADIO BEARER SETUP message: BTFD RMC	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	356	-	5.1.0	Rel-5	HSDPA downlink code allocation	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	357	-	5.1.0	Rel-5	Correction to test procedure for test cases using CELL_FACH state	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	358	-	5.1.0	Rel-5	Varying DPCH Power Offset according to data transmission rate	approved	F	5.2.0	TEI5	T1

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TP-040157	34.108	359	-	5.1.0	Rel-5	Corrections to default message for RADIO BEARER SETUP message in section 9.2.1 (HSDPA RF)	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	360	-	5.1.0	Rel-5	Test SIB schedule for two S-CCPCH or two PRACH in 34.108	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	361	-	5.1.0	Rel-5	Correction to test procedure for test cases using Cell_PCH or URA_PCH state	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	362	-	5.1.0	Rel-5	Removal of DCCH dummy transmission for RF testing	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	363	-	5.1.0	Rel-5	Addition of intra frequency cell to cell environments	approved	F	5.2.0	TEI5	T1
TP-040157	34.108	364	-	5.1.0	Rel-5	Correction to Default Message Content for Radio Bearer Setup Message re: RM Attribute values	approved	F	5.2.0	TEI5	T1
RP-040329	34.109	026	-	3.9.0	R99	Correction to figure 5.3.2.6.2.2	approved	F	3.10.0	TEI	R2
RP-040329	34.109	027	-	3.9.0	R99	UE test loop mode with PDCP configuration	approved	F	3.10.0	TEI	R2
RP-040329	34.109	028	-	4.5.0	Rel-4	UE test loop mode with PDCP configuration	approved	A	4.6.0	TEI	R2
RP-040329	34.109	029	-	5.3.0	Rel-5	UE test loop mode with PDCP configuration	approved	A	5.4.0	TEI	R2
RP-040329	34.109	031	1	3.9.0	R99	Addition of RESET UE POSITIONING STORED INFORMATION message	approved	F	3.10.0	TEI	R2
RP-040329	34.109	032	1	4.5.0	Rel-4	Addition of RESET UE POSITIONING STORED INFORMATION message	approved	A	4.6.0	TEI	R2
RP-040329	34.109	033	1	5.3.0	Rel-5	Addition of RESET UE POSITIONING STORED INFORMATION message	approved	A	5.4.0	TEI	R2
RP-040337	34.109	034	-	5.3.0	Rel-5	Increase of maximum number of loopback entities	approved	F	5.4.0	HSDPA-L23	R2
TP-040158	34.121	395	-	5.4.0	Rel-5	Addition of a new case to Adjacent Channel Selectivity test	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	396	-	5.4.0	Rel-5	Removal of [] for test case 8.3.5.3 'Cell Reselection to GSM'	approved	D	5.5.0	TEI5	T1
TP-040158	34.121	397	-	5.4.0	Rel-5	Addition of the integrity protection in messages	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	398	-	5.4.0	Rel-5	Correction to Cell Re-selection in CELL_PCH and URA_PCH test cases	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	399	-	5.4.0	Rel-5	Addition of test tolerances to TC 8.4.3	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	400	-	5.4.0	Rel-5	Revision of Test Tolerances to Event triggered reporting in AWGN propagation conditions, test 8.6.1.1	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	401	-	5.4.0	Rel-5	Correction of RRM test case 8.7.3A (GSM carrier RSSI)	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	402	-	5.4.0	Rel-5	Completion of Annex F.6.3 Statistical Testing of HSDPA Receiver Performance	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	403	-	5.4.0	Rel-5	Correction to the Measurement Control message in 8.7.6 UE Rx-Tx time difference	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	404	-	5.4.0	Rel-5	Correction to the pathloss indicator in measurement control messages	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	405	-	5.4.0	Rel-5	Correction to test uncertainty definition of Inner Loop Power Control in the Uplink test case	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	406	-	5.4.0	Rel-5	Addition of the integrity protection in 5.7 Power setting in uplink compressed mode	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	407	-	5.4.0	Rel-5	Corrections to Demodulation of DCH in Inter-Cell Soft Handover	approved	B	5.5.0	TEI5	T1
TP-040158	34.121	408	-	5.4.0	Rel-5	Correction to 7.7.3: Combining of reliable TPC commands from radio links of different radio link sets	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	409	-	5.4.0	Rel-5	Addition of TPC error rate accuracy to TC 7.7.3	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	410	-	5.4.0	Rel-5	Test system uncertainties update for test case 8.3.5.3	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	411	-	5.4.0	Rel-5	Corrections to UTRA Carrier RSSI test case	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	412	-	5.4.0	Rel-5	Resolution of downlink code conflict between OCNS DPCH and S-CCPCH	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	413	-	5.4.0	Rel-5	Addition of the information element for monitor cells in Annex I	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	414	-	5.4.0	Rel-5	Correction to 5.5.2: Transmit ON/OFF Time mask test case	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	415	-	5.4.0	Rel-5	Cell configuration mapping	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	416	-	5.4.0	Rel-5	Test tolerances in 8.4.1 RRC Re-establishment delay	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	417	-	5.4.0	Rel-5	Completion of Transmitter Intermodulation test 5.12	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	418	-	5.4.0	Rel-5	Correction of reference to generic setup procedure in TS 34.108 for Cell_FACH	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	419	-	5.4.0	Rel-5	Correction to TC 7.8.3, Power control in the downlink, wind up effects	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	420	-	5.4.0	Rel-5	Revision of Receiver Spurious Emissions Test 6.8	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	421	-	5.4.0	Rel-5	Correction to BTFD test case 7.10 and DL dummy DCCH	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	422	-	5.4.0	Rel-5	Correction to measurement control message in 8.6.1.2	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	423	-	5.4.0	Rel-5	Correction to test case 8.2.3 'UTRAN to GSM Cell Re-Selection'	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	424	-	5.4.0	Rel-5	Correction of RRM test case 8.7.3A (GSM carrier RSSI) (duplicated entry)	Withdrawn	F		TEI5	T1
TP-040158	34.121	425	-	5.4.0	Rel-5	Corrections to Annex F.2.4 and F.4.4	approved	F	5.5.0	TEI5	T1

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TP-040158	34.121	426	-	5.4.0	Rel-5	Introduction of Test Tolerances to Event triggered reporting of multiple neighbours in AWGN propagation condition, test 8.6.1.2	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	427	-	5.4.0	Rel-5	Correction to 8.6.1.1	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	428	-	5.4.0	Rel-5	Consistent Scrambling Codes	withdrawn	F		TEI5	T1
TP-040158	34.121	429	-	5.4.0	Rel-5	Proposed addition of HSDPA downlink code allocation to 34.121 Annex	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	430	-	5.4.0	Rel-5	Maximum Input Level for HSDPA	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	431	-	5.4.0	Rel-5	Correction to test procedure for test cases using Cell_PCH or URA_PCH state	approved	F	5.5.0	TEI5	T1
TP-040158	34.121	432	-	5.4.0	Rel-5	Clarification of OCNS power control	approved	F	5.5.0	TEI5	T1
TP-040160	34.123-1	852	-	5.8.0	Rel-5	Corrections to 8.4.1.8	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	853	-	5.8.0	Rel-5	Correction to package 3 RRC test case 8.2.4.1a	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	854	-	5.8.0	Rel-5	System Information Block type 1 modification for FACH to DCH:T312 set to 2 seconds in connected mode	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	855	-	5.8.0	Rel-5	Correction to number of reported GSM cells in RRC P3 test case 8.4.1.36	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	856	-	5.8.0	Rel-5	Correction to prose for Package 3 RRC test case 8.4.1.30	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	857	-	5.8.0	Rel-5	Revisions to Package 3 measurement test cases 8.4.1.33 and 8.4.1.40	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	858	-	5.8.0	Rel-5	Correction to Package 2 MM TC 9.4.9 – to remove EFLOCI, EFHPLMNwAcT and EFPLMNwAcT USIM field reference	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	859	-	5.8.0	Rel-5	Correction to Package 2 GMM TC 12.6.1.2 to remove ICS reference from test step.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	860	-	5.8.0	Rel-5	Correction to UL and DL TFCS in Package 3 test case 14.2.38e.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	861	-	5.8.0	Rel-5	Correction to Conformance Requirement for P4 CC NAS TC 10.1.2.7.1 regarding support for “Prolonged Clearing Procedure”.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	862	-	5.8.0	Rel-5	Correction to Conformance Requirement for Low Priority CC NAS test cases regarding support for “Prolonged Clearing Procedure”.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	863	-	5.8.0	Rel-5	Clarification of the Generic Test Procedure in Clause 14.1.2 of the Radio Bearer Tests	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	864	-	5.8.0	Rel-5	Editorial Correction to Package 3 Radio Bearer test case 14.2.49.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	865	-	5.8.0	Rel-5	Removal of package 3 idle mode test case 6.1.2.7	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	866	-	5.8.0	Rel-5	Corrections to 8.2.5.4 and 8.3.3.2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	867	-	5.8.0	Rel-5	Corrections to 8.1.9b	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	868	-	5.8.0	Rel-5	New MAC test case for TFC selection with extended TFCS.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	869	-	5.8.0	Rel-5	Correction to TC 8.3.7.8, 8.3.7.10 and 8.3.7.11	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	870	-	5.8.0	Rel-5	Correction of PLMN values for Idle Mode test case.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	871	-	5.8.0	Rel-5	Corrections to GMM test cases	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	872	-	5.8.0	Rel-5	Correction to Inter-system hard handover from UTRAN to GSM overview table	approved	F	5.9.0	TEI5	T1

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TP-040160	34.123-1	873	-	5.8.0	Rel-5	CR to 34.123-1Rel-5: Correction of 7.1.1.1 for TDD	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	874	-	5.8.0	Rel-5	CR to 34.123-1 Rel-5: Adding Specific Contents for TDD in 7.1.1.2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	875	-	5.8.0	Rel-5	CR to 34.123-1 Rel-5: Adding Specific Message Contents for 1.28 Mcps TDD in 8.1.2.7	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	876	-	5.8.0	Rel-5	CR to 34.123-1 Rel-5: Adding Specific Message Contents for 1.28 Mcps TDD in 8.1.5.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	877	-	5.8.0	Rel-5	CR to 34.123-1 Rel-5: Adding Specific Message Contents for 1.28 Mcps TDD in 8.2.2.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	878	-	5.8.0	Rel-5	CR 34.123-1 Rel-5: Corrections to SMS test cases 16.2.1 and 16.2.2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	879	-	5.8.0	Rel-5	Editorial Change in package 1 testcase 7.1.1.8	approved	D	5.9.0	TEI5	T1
TP-040160	34.123-1	880	-	5.8.0	Rel-5	Correction to Package 1 testcase 7.1.2.3.1 for N300 IE sent in SIB1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	881	-	5.8.0	Rel-5	P-TMSI expected in step 5 in package 4 GMM testcase 12.9.8 is incorrect.	approved	D	5.9.0	TEI5	T1
TP-040160	34.123-1	882	-	5.8.0	Rel-5	Contradiction between test procedure and test requirement in Package 3 SMS testcase 16.1.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	883	-	5.8.0	Rel-5	Correction in step 2 in package 2 MM testcase 9.4.2.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	884	-	5.8.0	Rel-5	Modification in SIB5 content for package 2 testcase 14.4.2.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	885	-	5.8.0	Rel-5	Changes to Initial Conditions of P4 Inter-RAT Cell Change Order from UTRAN test cases and Inter system cell reselection from UTRAN test cases.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	886	-	5.8.0	Rel-5	Correction to P1 MAC test 7.1.1.2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	887	-	5.8.0	Rel-5	New test preamble and postamble for inter-RAT handover/cell change test cases (revision of T1-040779)	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	888	-	5.8.0	Rel-5	HSDPA Physical Channel Reconfiguration (Hard Handover)	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	889	-	5.8.0	Rel-5	HSDPA Active Set Update in Soft Handover	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	890	-	5.8.0	Rel-5	Correction to Package 1 RRC test cases 8.1.7.1 and 8.1.7.2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	891	-	5.8.0	Rel-5	Correction to GMM test cases 12.3.1.7 and 12.4.3.3 (Low Priority)	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	892	-	5.8.0	Rel-5	Handling of PS support in step 3 in Package 2 MM testcase 9.4.8.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	893	-	5.8.0	Rel-5	Correction to Generic test procedure for testing multi-RB Combinations and Simultaneous Signalling	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	894	-	5.8.0	Rel-5	Correction to generic test procedure for single HS-DSCH radio bearer configurations	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	895	-	5.8.0	Rel-5	Correction to Package 1 GMM test case 12.9.1 to make step #9 void.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	896	-	5.8.0	Rel-5	Addition of Specific Message Content for Radio Bearer Setup message in P3 Radio Bearer test case 14.2.57	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	897	-	5.8.0	Rel-5	Corrections to CELL_DCH to CELL/URA_PCH state transition inconsistency in RRC test cases (package 1, 2 and low priority)	approved	F	5.9.0	TEI5	T1

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TP-040160	34.123-1	898	-	5.8.0	Rel-5	Corrections to GCF Package 2 MM test cases 9.2.2, 9.4.2.1, 9.4.2.2.1 and GCF Package 4 test case 9.5.7.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	899	-	5.8.0	Rel-5	Corrections to approved RRC Package 1 TC 8.3.4.3	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	900	-	5.8.0	Rel-5	Corrections to RRC Package 4 TC 8.2.6.38	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	901	-	5.8.0	Rel-5	Corrections to approved RRC Package 2 TC 8.2.2.23	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	902	-	5.8.0	Rel-5	Updated preambles used for PDCP testing	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	903	-	5.8.0	Rel-5	Add HCR TDD content of Inter-frequency measurement for event 2A	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	904	-	5.8.0	Rel-5	Add TDD content of Inter-frequency measurement for event 2D and 2F	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	905	-	5.8.0	Rel-5	Add to HCR TDD baseline IEs statement	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	906	-	5.8.0	Rel-5	Correct “time to trigger” for Measurement Report in Measurement Control Message	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	907	-	5.8.0	Rel-5	Errors corrected in section 8.4.1.29 of TS34.123-1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	908	-	5.8.0	Rel-5	Add HCR TDD S-CCPCH & PRACH tests sections	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	909	-	5.8.0	Rel-5	Correction to prose for Package 3 RRC test case 8.4.1.29	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	910	-	5.8.0	Rel-5	Adding Specific Message Contents of SIB5 for 1.28 Mcps TDD in 8.1.1.4	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	911	-	5.8.0	Rel-5	Adding Specific Message Contents for TDD 128 in 8.2.6.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	912	-	5.8.0	Rel-5	Delay between CP-ACK and DISCONNECT in package 3 test case 16.1.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	913	-	5.8.0	Rel-5	Correction to GCF P1 Test Case 8.1.2.2.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	914	-	5.8.0	Rel-5	Correction to low priority RRC test case 8.3.4.7	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	915	-	5.8.0	Rel-5	Correction to low priority RRC test case 8.4.1.15	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	916	-	5.8.0	Rel-5	Correction of the Measurement Report control timer in the Generic Test Procedure in Clause 14.1.2 and 14.1.2a of the Radio Bearer Tests.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	917	-	5.8.0	Rel-5	RoHC test case as part of PDCP conformance testing	approved	B	5.9.0	TEI5	T1
TP-040160	34.123-1	918	-	5.8.0	Rel-5	Correction to Package 2 test case 8.3.1.22	approved	D	5.9.0	TEI5	T1
TP-040160	34.123-1	919	-	5.8.0	Rel-5	Correction to Package 2 test case 8.2.4.3 & 8.2.4.4	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	920	-	5.8.0	Rel-5	Correction to P1 MAC test 7.1.2.4a	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	921	-	5.8.0	Rel-5	Correction to LP test case 8.2.3.27	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	922	-	5.8.0	Rel-5	Correction to TC 8.2.6.39, 8.2.6.43, 8.2.6.44 and 8.3.3.3	approved	F	5.9.0	TEI5	T1

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TP-040160	34.123-1	923	-	5.8.0	Rel-5	Correction to 8.3.9.X test cases	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	924	-	5.8.0	Rel-5	Correction to Low Priority RRC test 8.1.3.6	approved	D	5.9.0	TEI5	T1
TP-040160	34.123-1	925	-	5.8.0	Rel-5	Correction to Low Priority RRC test 8.3.2.5	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	926	-	5.8.0	Rel-5	Correction to Low Priority RRC test 8.3.4.4	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	927	-	5.8.0	Rel-5	Addition of new test cases for Physical Channel Reconfiguration (radio link failure in old configuration)	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	928	-	5.8.0	Rel-5	Modify test cases 8.3.1.10 and 8.3.2.4 to allow dual mode UE time to camp on cell.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	929	-	5.8.0	Rel-5	New radio bearer test case for the support of Wideband AMR speech service	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	930	-	5.8.0	Rel-5	Correction to low priority RRC test case 8.2.6.34	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	931	-	5.8.0	Rel-5	Correction to low priority RRC test case 8.4.1.9	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	932	-	5.8.0	Rel-5	Correction to P3 RRC test 8.4.1.39	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	933	-	5.8.0	Rel-5	Update Package 2 test case 8.4.1.7	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	934	-	5.8.0	Rel-5	New HSDPA RRC test cases	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	935	-	5.8.0	Rel-5	HSDPA Inter-RAT Cell Change Order	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	936	-	5.8.0	Rel-5	HSDPA Inter-RAT Handover Test Cases	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	937	-	5.8.0	Rel-5	Correction to Package 2 MM TC 9.4.2.2.4.1 - to remove checking of CKSN, LAI and Mobile Identity IEs	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	938	-	5.8.0	Rel-5	Changes done in step 20 in test procedure 2 for package 3 GMM testcase 12.4.2.5a	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	939	-	5.8.0	Rel-5	Correction to GMM test case 12.4.1.4c procedure2	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	940	-	5.8.0	Rel-5	Correction to GMM test case 12.4.2.4 (P3)	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	941	-	5.8.0	Rel-5	Correction to low priority radio bearer test cases (minimum set of TFCS) for HCR TDD	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	942	-	5.8.0	Rel-5	CR to 34.123-1 REL-5: New test cases for A-GPS	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	943	-	5.8.0	Rel-5	Correction to prose for Package 2 IR_U test case 6.2.2.1	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	944	-	5.8.0	Rel-5	Update to the Expected Sequences in the Generic Radio Bearer Test Procedures of clause 14.1.1 and 14.1.2 to align with the approved TTCN.	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	945	-	5.8.0	Rel-5	Correction to TC 8.3.7.1, 8.3.7.2 and 8.3.7.2a	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	946	-	5.8.0	Rel-5	Update to the Generic Radio Bearer Test Procedures re: Use of Primary/Secondary Scrambling codes	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	947	-	5.8.0	Rel-5	Addition of new Inter-RAT test case.	approved	F	5.9.0	TEI5	T1

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TP-040160	34.123-1	948	-	5.8.0	Rel-5	Update to the Generic Radio Bearer Test Procedures re: RM Attribute values	approved	F	5.9.0	TEI5	T1
TP-040160	34.123-1	949	-	5.8.0	Rel-5	Correction to several GMM test cases – Mode C/A change	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	158	-	5.8.0	Rel-5	Corrections to applicability of GMM test cases	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	159	-	5.8.0	Rel-5	Correction to applicability of TCs 14.2.63.1 and 14.2.63.2	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	160	-	5.8.0	Rel-5	Removal of package 3 idle mode test case 6.1.2.7	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	161	-	5.8.0	Rel-5	New radio bearer test case for the support Wideband AMR speech service	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	162	-	5.8.0	Rel-5	Applicability Table for new HSDPA test cases	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	163	-	5.8.0	Rel-5	Introduction of new PDCP / RoHC test case in clause 7.3.5 of the applicability table and definition of related PICS condition	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	164	-	5.8.0	Rel-5	New test cases for A-GPS	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	165	-	5.8.0	Rel-5	New HSDPA RRC test cases	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	166	-	5.8.0	Rel-5	New MAC test case for TFC selection with extended TFCS.	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	167	-	5.8.0	Rel-5	Introduction of PICS condition between emergency call and speech	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	167	-	5.8.0	Rel-5	Addition of clause 8.2.6.43 and 8.2.6.44 to the applicability table	approved	F	5.9.0	TEI5	T1
TP-040161	34.123-2	168	-	5.8.0	Rel-5	Addition of 1 new Inter-RAT test cases to the applicability table.	approved	F	5.9.0	TEI5	T1
TP-040162	34.123-3	359	-	3.6.1	R99	ASP updating and other corrections	approved	F	3.7.0	TEI5	T1
TP-040149	34.123-3	360	-	3.6.1	R99	Addition of GCF P3 test case 16.1.1 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	361	-	3.6.1	R99	Addition of GCF P3 test case 16.1.9.1 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	362	-	3.6.1	R99	Addition of GCF P3 test case 16.1.9.2 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	363	-	3.6.1	R99	Addition of GCF P3 test case 16.1.10 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	364	-	3.6.1	R99	Addition of GCF P3 test case 16.2.1 to SMS ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	365	-	3.6.1	R99	Addition of GCF P3 test case 16.2.2 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	366	-	3.6.1	R99	Addition of GCF P3 test case 16.2.10 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	367	-	3.6.1	R99	Addition of P2 NAS test case 9.4.2.4 proc 2 to NAS ATS V3.5.1 (revision of T1-040109)	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	368	-	3.6.1	R99	Addition of NAS test case 12.4.2.5a.2 to NAS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	369	-	3.6.1	R99	Revised CR for addition of GCF P3 test case 8.2.4.1a to RRC ATS V3.5.1	approved	B	3.7.0	TEI	T1

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TP-040149	34.123-3	370	-	3.6.1	R99	Revised CR for Addition of P2 test case 6.2.1.1 to IR_U ATS v3.5.1 (Revision of T1s040325)	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	371	-	3.6.1	R99	Revised CR for Addition of P2 test case 6.2.1.6 to IR_U ATS v3.5.1 (Revision of T1s040327)	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	372	-	3.6.1	R99	Addition of RRC test case 8.4.1.40 to RRC ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	373	-	3.6.1	R99	Addition of RRC Package 3 test case 8.4.1.33 to IR_U ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	374	-	3.6.1	R99	Revised CR for addition of GCF P3 test case 16.1.2 to SMS ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	375	-	3.6.1	R99	Revised CR for the addition of GCF P3 test case 8.4.1.35 to IR_U ATS V3.5.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	376	-	3.6.1	R99	CR for the addition of GCF P3 test case 8.4.1.36 to IR_U ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	377	-	3.6.1	R99	Addition of GCF P3 test case 8.3.2.12 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	378	-	3.6.1	R99	Addition of RAB Package 3 test case 14.2.57 to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	379	-	3.6.1	R99	Addition of GCF P3 test case 14.2.58 to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	380	-	3.6.1	R99	Addition of GCF P1 test cases 8.1.7.1 to RRC ATS v3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	381	-	3.6.1	R99	Addition of GCF P1 test case 8.1.7.2 to RRC ATS v3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	382	-	3.6.1	R99	Addition of RAB Package 2 test case 14.4.2.1 to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	383	-	3.6.1	R99	Addition of RAB Package 3 test case 14.2.38a to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	384	-	3.6.1	R99	Addition of RAB Package 3 test case 14.2.38e to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	385	-	3.6.1	R99	Addition of RAB Package 2 test case 14.4.2.2 to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	386	-	3.6.1	R99	Addition of RAB Package 2 test case 14.4.2.3 to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	387	-	3.6.1	R99	Addition of RAB test case 14.2.51.1 to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	388	-	3.6.1	R99	Addition of RAB test case 14.2.51a.1 to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	389	-	3.6.1	R99	Addition of P3 test case 8.4.1.27 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	390	-	3.6.1	R99	Revision CR to introduce GCF P3 Test Case 8.4.1.24 to ATS v3.6.0	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	391	-	3.6.1	R99	Revision CR to introduce GCF P3 Test Case 8.4.1.25 to ATS v3.6.0	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	392	-	3.6.1	R99	Addition of NAS test case 9.4.7 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040149	34.123-3	393	-	3.6.1	R99	Addition of GCF P3 test case 8.4.1.34 to IR_U ATS v3.6.1	approved	B	3.7.0	TEI	T1
TP-040148	34.123-3	394	-	3.6.1	R99	TTCN correction to P2 test case 8.1.10.1	approved	F	3.7.0	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
TP-040148	34.123-3	395	-	3.6.1	R99	Correction to Approved RRC Package 1 TC 8.3.1.1	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	396	-	3.6.1	R99	Correction to Package 2 NAS MM test case 9.4.2.2.1 to validate of LOCATION UPDATE REQUEST message and disable ATT flag.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	397	-	3.6.1	R99	Correction to RRC Package 2 TC 8.4.1.18 and TC 8.4.1.19 for inconsistency in System Information Block 12.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	398	-	3.6.1	R99	Correction to Approved Package 1 RRC TC 8.1.2.2	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	399	-	3.6.1	R99	Corrections to RRC test case 6.2.1.1	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	400	-	3.6.1	R99	Corrections to RRC test case 6.2.1.6	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	401	-	3.6.1	R99	Correction to Approved RRC Package 1 TC 8.3.4.2	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	402	-	3.6.1	R99	Correction to Approved RRC Package 2 TC 8.2.4.3	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	403	-	3.6.1	R99	Correction to Approved RRC Package 1 TC 8.3.4.3	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	404	-	3.6.1	R99	Regression error corrections to wk17, wk20 and wk23.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	405	-	3.6.1	R99	TTCN Correction to GCF P2 IR_U 8.3.7.1 & 8.3.7.4	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	406	-	3.6.1	R99	Correction to Package 2 NAS CCMM test cases 9.4.8, for removal of 'USIM removal possible while UE is powered' support.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	407	-	3.6.1	R99	Correction to RRC TC 8.3.2.4 on value of the wait timer started for the UE to enter Idle mode.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	408	-	3.6.1	R99	Correction to RRC Package 2 TC 8.2.1.9 to handle cell update before configuring radio bearer from DCH to FACH.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	409	-	3.6.1	R99	Correction to RRC TC 8.2.6.19 and 8.2.6.20 to add delay before switching to CELL_PCH/URA_PCH	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	410	-	3.6.1	R99	Correction to Package 3 RAB test case 14.2.27, 14.2.29, 14.2.31.1and 14.2.32.1 for the dl_TxPower in DL DPCH Info during Radio Bearer Setup at the SS.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	411	-	3.6.1	R99	Correction to Package 2 RAB test case 14.4.3	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	412	-	3.6.1	R99	Correction to test steps "ts_ReceiveFirstSDUs_RB10" and "ts_ReceiveFirstSDUs_RB13" of Package 3 RAB test case 14.2.49.1	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	413	-	3.6.1	R99	Correction to GMM Package 2 approved TC 12.6.1.2 in handling Attach procedure.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	414	-	3.6.1	R99	Delay to ensure the proper transmission of Cell Update Confirm in 8.3.4.2.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	415	-	3.6.1	R99	Guard timer setting if registration is made to a PLMN different from the normal one	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	416	-	3.6.1	R99	Correction to RRC Package 2 TC 8.3.1.31.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	417	-	3.6.1	R99	Correction to Package 2 RAB test case 14.4.3 to assign tcv_CN_Domain.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	418	-	3.6.1	R99	Addition of a delay after reception of an RRC Connection Release Complete Message	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	419	-	3.6.1	R99	General correction for test cases where UE is switched off Cell(s) relased and reconfigured	approved	F	3.7.0	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
TP-040148	34.123-3	420	-	3.6.1	R99	Corrections to RRC Package 3 TC 8.4.1.29 and 8.4.1.30.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	421	-	3.6.1	R99	Correction to RRC TC 8.2.3.8 in ts_RRC_ReceiveRB_SetupCmpl.	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	422	-	3.6.1	R99	Correction to Approved RRC Package 2 TC 8.3.1.22	approved	F	3.7.0	TEI	T1
TP-040148	34.123-3	423	-	3.6.1	R99	TTCN Correction to test case 8.4.1.1 to RRC ATS V3.6.0	approved	F	3.7.0	TEI	T1
TP-040167	34.123-3	424	-	3.6.1	R99	Addition of NAS test case 9.4.3.5 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	425	-	3.6.1	R99	Addition of GCF P4 test case 10.1.2.2.1 ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	426	-	3.6.1	R99	Addition of GCF P4 test case 9.5.5 ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	427	-	3.6.1	R99	Addition of NAS test case 12.6.1.3.2 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	428	-	3.6.1	R99	Addition of NAS test case 12.9.14 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	429	-	3.6.1	R99	Addition of NAS test case 12.4.1.3 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	430	-	3.6.1	R99	Addition of NAS test case 12.9.3 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	431	-	3.6.1	R99	Addition of NAS test case 12.9.4 to NAS ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	432	-	3.6.1	R99	Addition of RRC test case 8.2.2.4 to RRC ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	433	-	3.6.1	R99	Addition of RRC test case 8.2.6.12 to RRC ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	434	-	3.6.1	R99	Addition of RAB test case 14.2.38c to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	435	-	3.6.1	R99	Addition of RAB test case 14.2.38f to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	436	-	3.6.1	R99	Addition of RAB test case 14.2.40 to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	437	-	3.6.1	R99	Addition of RAB test case 14.2.41 to RAB ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	438	-	3.6.1	R99	Addition of RRC Package 4 test case 8.1.3.5 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	439	-	3.6.1	R99	Addition of RRC Package 4 test case 8.2.1.4 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	440	-	3.6.1	R99	Addition of RRC Package 4 test case 8.2.1.7 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	441	-	3.6.1	R99	Addition of RRC Package 4 test case 8.1.2.3 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	442	-	3.6.1	R99	Addition of P4 RRC test case 8.3.2.9	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	443	-	3.6.1	R99	Addition of P4 RRC test case 8.2.6.2	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	444	-	3.6.1	R99	Addition of P4 RRC test case 8.3.1.17	approved	B	3.7.0	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
TP-040167	34.123-3	445	-	3.6.1	R99	Addition of P4 RRC test case 8.1.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	446	-	3.6.1	R99	Addition of GCF P4 test case 8.3.1.12 to RRC ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	447	-	3.6.1	R99	Addition of GCF P4 test case 8.2.6.11 to RRC ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	448	-	3.6.1	R99	Addition of GCF P4 test case 9.5.4 ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	449	-	3.6.1	R99	Addition of P3 test case 8.4.1.37 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	450	-	3.6.1	R99	Addition of P3 test case 8.4.1.38 to RRC ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	451	-	3.6.1	R99	Addition of GCF P4 test case 12.2.1.2 ATS V3.6.0	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	452	-	3.6.1	R99	Addition of RAB Package 3 test case 14.2.38b to RAB ATS V3.6.1	approved	B	3.7.0	TEI	T1
TP-040167	34.123-3	453	-	3.6.1	R99	Modification to MAC Package 2 test case 7.1.3.1	approved	F	3.7.0	TEI	T1
TP-040167	34.123-3	454	-	3.6.1	R99	Correction to NAS test cases 9.4.2.3 (P2), 9.4.2.4 Proc 2 (P2), and 12.4.1.1a (P1)	approved	F	3.7.0	TEI	T1
TP-040167	34.123-3	455	-	3.6.1	R99	Correction to Package 3 SMS test case 16.2.1.	approved	F	3.7.0	TEI	T1
TP-040167	34.123-3	456	-	3.6.1	R99	Correction to GCF P1 test case 8.3.1.1	approved	F	3.7.0	TEI	T1
SP-040604	41.101	006	-	4.11.0	Rel-4	Corrections to list of specifications	approved	F	4.12.0	TEI4	SP
SP-040604	41.101	007	-	5.7.0	Rel-5	Corrections to list of specifications	approved	F	5.8.0	TEI5	SP
SP-040508	42.068	002	-	5.0.1	Rel-6	Addition of optional over-the-air ciphering for VGCS	approved	B	6.0.0	SECG KYV	S1
SP-040512	42.068	003	-	5.0.1	Rel-7	VGCS support of service provider specific end-to-end encryption	approved	B	7.0.0	EGCS	S1
SP-040512	42.068	004	1	5.0.1	Rel-7	Sending of SMS to an ongoing Voice Group Call	approved	B	7.0.0	EGCS	S1
SP-040512	42.068	005	-	5.0.1	Rel-7	Enhanced talker functionality for VGCS for the support of emergency situations	approved	B	7.0.0	EGCS	S1
SP-040508	42.069	002	-	5.0.1	Rel-6	Addition of optional over-the-air ciphering for VBS	approved	B	6.0.0	SECG KYV	S1
SP-040615	43.020	001	-	5.0.0	Rel-6	Introducing VGCS/VBS ciphering	approved	B	6.0.0	SECG KYV	S3
NP-040373	43.068	017	1	4.3.0	Rel-4	Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call	approved	A	4.4.0	ASCI	N1
NP-040373	43.068	018	1	5.3.0	Rel-5	Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call	approved	A	5.4.0	ASCI	N1
NP-040373	43.068	019	1	6.1.0	Rel-6	Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call Correction on notification for first talker of VGCS call	approved	A	6.2.0	ASCI	N1
NP-040329	43.068	020	1	6.1.0	Rel-6	Introduction of USIM based ciphering for VGCS	approved	B	6.2.0	TEI6	N1
NP-040373	43.069	012	1	4.3.0	Rel-4	Correction on notification procedures for Originator of VBS call	approved	A	4.4.0	ASCI	N1
NP-040373	43.069	013	1	5.3.0	Rel-5	Correction on notification procedures for Originator of VBS call	approved	A	5.4.0	ASCI	N1
NP-040329	43.069	014	1	5.3.0	Rel-6	Introduction of USIM based ciphering for VBS	approved	B	6.0.0	TEI6	N1
NP-040387	44.065	014	-	6.2.0	Rel-6	Update of SNDCP - MBMS	approved	B	6.3.0	MBMS	N1
NP-040374	44.065	015	2	4.2.0	Rel-4	Negotiation of compression entities with unknown algorithm type	approved	F	4.3.0	TEI4	N1
NP-040374	44.065	016	2	5.1.0	Rel-5	Negotiation of compression entities with unknown algorithm type	approved	A	5.2.0	TEI4	N1
NP-040374	44.065	017	2	6.2.0	Rel-6	Negotiation of compression entities with unknown algorithm type	approved	A	6.3.0	TEI4	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	WI	WG Resp
TP-040189	51.014	005	-	4.3.0	Rel-4	Correction of possible terminal responses versus proactive commands in relation to the display of icons	approved	A	4.4.0	TEI	T3
TP-040189	51.014	006	-	4.3.0	Rel-4	Essential corrections in content and coding of BC Repeat indicator	approved	A	4.4.0	TEI	T3

Work Program Key:

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

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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1861**	**T1**	**NA**	**Y**	**Miscelleneous UE Conformance Testing Activities**	**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		

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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	**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

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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	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			

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

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

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

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

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

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

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

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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	**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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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	**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 July 08 2004

NEEDS UPDATE WHEN NEW WORK PLAN AVAILABLE.

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th

F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	3726	RP	NA	No	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 03/03/03	Wed 31/12/03	0%	No	No		Generic feature	Francois Courau, Alcatel
F	1216	RP	Rel-6	No	Improvements of Radio Interface	RInImp	TSG	Mon 14/08/00	Tue 15/03/05	78%	No	No		This is a generic feature without particular end date	
BB	3741	R1	Rel-6	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Wed 15/09/04	50%	No	No	TS25.212, 25.215, 25.331, 25.423, 25.433		Antti Toskala, Nokia
BB	3742	R4	Rel-6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 19/09/03	100 %	No	No	TS25.101		Shimon Moshavi, Intel
BB	3461	R4	Rel-6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	100 %	No	No			
WT	3249	R4	Rel-6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes	TS25.104, TS25.141		A. Toskala, Nokia
BB	3743	R4	Rel-6	No	UMTS-850	RInImp-UMTS850	TSG	Fri 06/12/02	Fri 12/12/03	100 %	No	No	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331, TR25.942		Don Zelmer, Cingular
BB	3744	R4	Rel-6	No	DS-CDMA introduction in the 800 MHz band	RInImp-UMTS800	TSG	Fri 14/03/03	Fri 12/12/03	100 %	No	No	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331		Takehiro Nakamura, NTT DoCoMo

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3745	R4	Rel-6	No	UMTS 1.7/2.1 GHz	RInImp-UMTS1721	TSG	Fri 14/03/03	Fri 12/03/04	100 %	No	No	TS25.101, 25.104, 25.133, 25.141, 25.307, 25.331		Jussi Numminen, Nokia
BB	3778	R4	Rel-6	No	Improved Receiver Performance Requirements for HSDPA	RInImp-HSPerf	TSG	Mon 15/12/03	Tue 15/03/05	40%	No	No			Jussi Numminen, Nokia
WT	3779	R4	Rel-6	No	Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	TSG	Mon 15/12/03	Tue 15/03/05	40%	No	No	TS25.101		Takehiro Nakamura (NTT DoCoMo)
F	3777	RP	Rel-6	No	RAN Feasibility Studies			Mon 14/08/00	Tue 15/03/05	81%	No	No			
BB	3601	R3	Rel-6	No	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSUEMsD	TSG	Fri 06/12/02	Thu 18/12/03	100 %	No	No			Jim Miller, Interdigital
BB	3754	R1	Rel-6	No	FS on Radio link performance enhancements	RInImp-RIperf	TSG	Mon 14/08/00	Wed 15/09/04	95%	No	No	TR25.899		Antti Toskala, Nokia Networks
BB	3756	R1	Rel-6	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	Fri 14/12/01	Fri 19/09/03	100 %	No	No	TR25.888		Li Xiao Qiang, SAMSUNG
BB	3757	R1	Rel-6	No	FS for the analysis of OFDM for UTRAN enhancement	RInImp-FSOFDM	TSG	Mon 10/06/02	Mon 14/06/04	100 %	No	No	TR25.892		Sarah Boumendil, Nortel
BB	3758	R1	Rel-6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 12/03/04	100 %	No	No	TR25.896		Karri Ranta-aho, Nokia
BB	3759	R1	Rel-6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	Fri 06/09/02	Wed 15/09/04	90%	No	No	TR25.895		Tim Wilkinson, IPWireless
BB	3760	R3	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	TSG	Fri 13/06/03	Fri 12/03/04	100 %	No	No	TR25.807		Ana Burgos, Telefonica

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3761	R1	Rel-6	No	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	TSG	Fri 06/06/03	Wed 15/12/04	20%	No	No	TR25.804		Marian Rudolf, Interdigital
BB	3197	R4	Rel-6	No	FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100 %	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
BB	3467	R3	Rel-6	No	FS on the evolution of the UTRAN architecture	RANimp-FSEvo	TSG	Mon 09/09/02	Tue 15/03/05	35%	No	No		Work stopped until completion of MBMS in RAN3	Woonhee Hwang, Nokia
BB	2468	R1	Rel-6	No	Multiple Input Multiple Output antennas (MIMO)	MIMO	TSG	Fri 14/03/03	Thu 15/12/05	10%	No	No	TR25.876 ,TR25.996		Howard Huang, Lucent
BB	3653	R1	Rel-6	No	MIMO - Physical layer	MIMO-Phys	TSG	Fri 12/09/03	Tue 15/03/05	50%	No	No	25.211, 25.212, 25.213, 25.214, 25.215, 25.221, 25.222, 25.223, 25.224, 25.225		Howard Huang, Lucent
BB	3654	R2	Rel-6	No	MIMO - Layer 2,3 aspects	MIMO-L23	TSG	Fri 12/09/03	Thu 15/12/05	0%	No	No	TR 25.876		Howard Huang, Lucent
BB	3655	R3	Rel-6	No	MIMO - Iub/Iur Protocol Aspects	MIMO-Iurlub	TSG	Fri 14/03/03	Thu 15/12/05	0%	No	No			Howard Huang, Lucent
BB	3656	R4	Rel-6	No	MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	MIMO-RF	TSG	Fri 12/12/03	Thu 15/12/05	5%	No	No			Man Hung Ng, Lucent
F	3816	RP		No	FDD Enhanced Uplink	EDCH	TSG	Mon 15/03/04	Wed 15/06/05	6%	No	No			Joakim Bergström (Ericsson)
BB	3817	R2		No	FDD Enhanced Uplink - Stage 2	EDCH-Stage2	TSG	Mon 15/03/04	Wed 15/09/04	30%	No	No	TS 25.309		

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3818**	**R1**		**No**	**FDD Enhanced Uplink - Physical Layer**	**EDCH-Phys**	**TSG**	**Mon 15/03/04**	**Wed 15/12/04**	**5%**	**No**	**No**	**TS25.211, 25.212, 25.213, 25.214, 25.215**		**Karri Ranta-aho (Nokia)**
BB	**3819**	**R2**		**No**	**FDD Enhanced Uplink - Layer 2 and 3 Protocol Aspects**	**EDCH-L23**	**TSG**	**Mon 15/03/04**	**Wed 15/12/04**	**5%**	**No**	**No**	**TS25.301, 25.302, 25.306, 25.321, 25.331**		**Joakim Bergström (Ericsson)**
BB	**3820**	**R3**		**No**	**FDD Enhanced Uplink - UTRAN Iub/Iur Protocol Aspects**	**EDCH-IurIub**	**TSG**	**Mon 15/03/04**	**Wed 15/12/04**	**0%**	**No**	**No**	**TS25.401, 25.420, 25.423, 25.430, 25.433**		**Saso Stojanovski (Nortel)**
BB	**3821**	**R4**		**No**	**FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing**	**EDCH-RF**	**TSG**	**Mon 15/03/04**	**Wed 15/06/05**	**0%**	**No**	**No**	**TS25.101, 25.104, 25.133, 25.141**		**Thomas Unshelm (Ericsson)**
F	**9**	**RP**	**Rel-6**	**No**	**RAN improvements**	**RANimp**	**TSG**	**Mon 09/09/02**	**Wed 15/12/04**	**55%**	**No**	**No**		**Generic feature**	
BB	**624**	**R2**	**Rel-6**	**No**	**RAB support enhancement**	**RANimp-RABSE**	**TSG**	**Fri 14/03/03**	**Wed 15/12/04**	**11%**	**Yes**	**Yes**	**TR 25.862**	**This is a building block without particular end date**	**Juha Mikola, Nokia**
WT	3657	R3	Rel-6	No	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	Fri 14/03/03	Fri 04/06/04	25%	No	No		Closed RAN#24 due to the lack of progress	Phillipe Godin, Nortel
WT	3822	R1		No	Optimisation of downlink channelisation code utilisation	RANimp-RABSE-CodeOptFDD	TSG	Fri 12/03/04	Wed 15/12/04	0%	No	No			Sarah Boumendil (Nortel Networks)
WT	3823	R1		No	Optimisation of channelisation code utilisation for TDD	RANimp-RABSE-CodeOptTDD	TSG	Mon 15/03/04	Wed 15/12/04	0%	No	No			Nicholas Anderson (IPWireless)
BB	**3286**	**R1**	**Rel-6**	**No**	**Beamforming Enhancements**	**RANimp-BFE**	**TSG**	**Fri 19/09/03**	**Fri 19/12/03**	**100 %**	**No**	**No**	**TS24.215, 25.423, 25.425, 25.433, 25.435**		**Jussi Kähtävä, Nokia**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3658**	**R3**	**Rel-6**	**No**	**Rel6 RRM optimization for Iur and Iub**	**RANimp-RRMopt**	**TSG**	**Fri 19/09/03**	**Fri 12/03/04**	**100 %**	**No**	**Yes**			**Gert-Jan van Lieshout, Ericsson**
WT	3762	R3	Rel-6	No	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	RANimp-RRMopt-UEMsD	TSG	Fri 19/09/03	Fri 12/03/04	100%	No	No	TS25.423		Jim Miller, Interdigital
BB	**3659**	**R3**	**Rel-6**	**No**	**Remote Control of Electrical Tilting Antennas**	**RANimp-TiltAnt**	**TSG**	**Fri 14/03/03**	**Thu 16/09/04**	**58%**	**No**	**No**			**Andreas Hauser, Vodafone**
WT	3841	R3	Rel-6	No	RAN aspects	RANimp-TiltAnt	TSG	Fri 14/03/03	Wed 15/09/04	75%	No	No	TS25.460, 25.461, 25.462, 25.463		Andreas Hauser, Vodafone
WT	3824	S5	Rel-6	No	OAM&P impacts	RANimp-TiltAnt-OAM	WG	Fri 27/02/04	Thu 16/09/04	10%	No	No	32.804, 32.xyz	az: WID approved at SA5#37 (02/2004)	John MUDGE, Vodafone
BB	**3660**	**R3**	**Rel-6**	**No**	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	**RANimp-NACC**	**TSG**	**Mon 09/09/02**	**Tue 15/06/04**	**100 %**	**No**	**No**			**Brendan McWilliams, Vodafone**
F	**3665**	**S2**	**Rel-7**	**No**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**EMC1**	**TSG**	**Mon 14/08/00**	**Fri 03/06/05**	**36%**	**No**	**No**			**Rainer Liebhart**
WT	1314	S1	Rel-7	No	Service Requirements for IP-based emergency calls			Mon 18/09/00	Fri 25/06/04	100%	No	No	22.976		
BB	**3666**	**S2**	**Rel-7**	**No**	**Stage 2**		**TSG**	**Wed 26/02/03**	**Wed 15/12/04**	**52%**	**No**	**No**	**23.228, 23.060, 23.002**		**Rainer Liebhart, Siemenws**
BB	**1653**	**N1**	**Rel-7**	**No**	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			**Mon 14/08/00**	**Fri 03/06/05**	**8%**	**Yes**	**Yes**			**Mr Atle Monrad, Ericsson**
WT	1315	N1	Rel-7	No	SIP emergency calls and packet emergency calls signalling flows			Tue 17/10/00	Fri 03/06/05	16%	No	No	TS 24.228		Mr Atle Monrad, Ericsson

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1646	N1	Rel-7	No	Stage 3 for emergency calls and packet emergency calls in general			Mon 14/08/00	Fri 03/06/05	0%	No	No	TS 24.229		Mr Atle Monrad, Ericsson
F	**3214**	**S2**	**Rel-6**	**No**	**Location Services enhancements 2**	**LCS2**	**TSG**	**Mon 15/01/01**	**Fri 29/10/04**	**59%**	**No**	**No**	**23.271**		
BB	**3215**	**S2**	**Rel-6**	**No**	**Improvement on Le interface**		**TSG**	**Mon 17/06/02**	**Fri 29/10/04**	**49%**	**No**	**No**			
WT	3667	S2	Rel-6	No	Stage 2			Mon 17/06/02	Mon 22/09/03	100%	No	No			
WT	3692	OMA	Rel-6	No	Stage 3 - impacts MLP (Mobile Location Protocol)			Thu 10/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	
BB	**3216**	**S2**	**Rel-6**	**No**	**Enhanced support for anonymity and user privacy**		**TSG**	**Mon 08/07/02**	**Fri 29/10/04**	**43%**	**No**	**No**			
WT	3669	S2	Rel-6	No	Stage 2			Mon 08/07/02	Fri 27/06/03	100%	No	No			
WT	3693	OMA	Rel-6	No	Stage 3 - impacts MLP and RLP			Thu 10/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	
BB	**2630**	**S2**	**Rel-6**	**No**	**Enhanced inter-GMLC interface**		**TSG**	**Mon 24/06/02**	**Fri 29/10/04**	**56%**	**No**	**No**			
WT	3670	S2	Rel-6	No	Stage 2			Mon 24/06/02	Fri 05/09/03	100%	No	No			
WT	3694	OMA	Rel-6	No	Stage 3 - definition of RLP and PCP			Mon 02/09/02	Fri 29/10/04	31%	No	No		Updated according to SP-040232	
BB	**2810**	**S2**	**Rel-6**	**No**	**Location Services support for IMS public identities**		**TSG**	**Mon 02/09/02**	**Fri 29/10/04**	**51%**	**No**	**No**			
WT	3671	S2	Rel-6	No	Stage 2			Mon 24/02/03	Fri 23/01/04	100%	No	No			
WT	3695	OMA	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			Mon 02/09/02	Fri 29/10/04	31%	No	No		Updated according to SP-040232	
BB	**3217**	**S2**	**Rel-6**	**No**	**New area event for location service triggering reports**		**TSG**	**Mon 03/06/02**	**Fri 29/10/04**	**51%**	**No**	**No**			
WT	3672	S2	Rel-6	No	Stage 2			Mon 03/06/02	Fri 27/06/03	100%	No	No			
WT	3696	N4	Rel-6	No	Stage 3 for UE-CN signalling			Thu 09/10/03	Tue 31/08/04	66%	No	No		31/10/2003 work has started. Current stage 3 fullfills the requirements of stage 2. ...	
WT	3697	OMA	Rel-6	No	Stage 3 - impacts MLP, RLP and PCP			Mon 14/07/03	Fri 29/10/04	0%	No	No		Updated according to SP-040232	

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3544**	**S2**	**Rel-6**	**No**	**FS on applicability of GALILEO for LCS**			**Mon 08/07/02**	**Wed 30/06/04**	**54%**	**No**	**No**			
WT	3698	S2	Rel-6	No	TR on Stage 2 (No contributions received, No feedback from other groups since May)			Mon 08/07/02	Wed 30/06/04	67%	No	No			
WT	3699	GP	Rel-6	No	GERAN review of the TR			Mon 25/08/03	Fri 06/02/04	0%	No	No			
BB	**3469**	**RP**	**Rel-6**	**No**	**UE positioning**	**LCS2-UEpos**	**TSG**	**Mon 15/01/01**	**Wed 15/09/04**	**85%**	**No**	**No**			
BB	**2475**	**R2**	**Rel-6**	**No**	**Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods**	**LCS-Rel4Pos**	**TSG**	**Mon 15/01/01**	**Fri 19/09/03**	**100 %**	**No**	**No**	**TS25.305, 25.401, 25.450, 25.452, 25.453**		**Meik Kottkamp, Siemens**
WT	3684	R4	Rel-6	No	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	Fri 06/06/03	Wed 15/09/04	40%	No	No	TS25.171		Donglin Shen, AT&T Wireless Services
WT	3211	R2	Rel-6	No	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	Mon 01/07/02	Fri 19/09/03	100%	No	No			David Bartlett, Cambridge Positioning Systems
F	**1571**	**S3**	**Rel-6**	**No**	**Security enhancements**	**SEC1**	**TSG**	**Wed 03/01/01**	**Fri 18/06/04**	**38%**	**No**	**No**		**Added BB UE authentication and rapporteur added.**	**Peter Howard, Vodafone**
BB	**2026**	**S3**	**Rel-6**	**No**	**Enhanced HE control of security (including positive authentication reporting)**			**Wed 03/01/01**	**Thu 25/09/03**	**23%**	**No**	**No**		**Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18**	**Peter Howard, Vodafone**
WT	2027	S3	Rel-6	No	Stage 2			Wed 03/01/01	Fri 14/06/02	0%	No	No		New end date and correct Release to be decided S3#18	
WT	3528	S3	Rel-6	No	Network domain security	SEC1-NDS	TSG	Mon 17/06/02	Thu 25/09/03	50%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
WT	3529	S3	Rel-6	No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Mon 17/06/02	Thu 25/09/03	50%	No	No	TS 33.210	Should be complete after SA3#27	
BB	**3661**	**S3**	**Rel-6**	**No**	**"Network Domain Security; Authentication Framework (NDS/AF)"**	**SEC1-NDS-AF**	**TSG**	**Fri 15/02/02**	**Fri 13/02/04**	**70%**	**No**	**No**		**WID approved SA#19. Work started after FS approved SA#18**	**Tommi Viitanen, Nokia**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3815**	**S3**	**Rel-6**	**No**	**Key Management of group keys for Voice Group Call Services**	**SECGKYV**	**TSG**	**Fri 26/09/03**	**Fri 18/06/04**	**5%**	**No**	**No**	**42.068, 43.068, 44.068, 42.069, 43.069, 44.069, 31.102, 24.008, 48.008, 42.009, 43.020**	**Approved TSG#21**	**Benno Tietz, Vodafone D2**
F	**3122**	**S1**	**Rel-6**	**No**	**IMS Phase 2**	**IMS2**	**TSG**	**Mon 28/08/00**	**Tue 30/11/04**	**65%**	**No**	**No**	**23.228**	**Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent**	
BB	**3677**	**N4**	**Rel-6**	**No**	**Enhancements to the Cx and Sh interfaces**	**IMS2-CCR**	**WG**	**Fri 06/06/03**	**Tue 31/08/04**	**60%**	**No**	**No**		**29/05/2003 CN4: New WID presented for approval at CN#20.....**	
BB	**3092**	**S1**	**Rel-6**	**No**	**IMS Group Management**	**IMSGM**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**72%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
WT	3093	S1	Rel-6	No	Stage 1 - TS on IMS group management		TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	3623	S2	Rel-6	No	Stage 2			Mon 26/05/03	Wed 31/12/03	100%	No	No			
WT	3547	N1		No	Stage 3 for IMS Group management (e.g. chat)			Fri 13/12/02	Wed 08/09/04	50%	No	No			Keith Drage, Lucent
BB	**3548**	**N1**	**Rel-6**	**No**	**IMS Conferencing**			**Mon 04/11/02**	**Wed 08/09/04**	**88%**	**No**	**No**			
WT	3624	S2	Rel-6	No	Stage 2			Mon 04/11/02	Wed 31/12/03	100%	No	No			
WT	3634	N1		No	Stage 3			Fri 13/12/02	Wed 08/09/04	80%	No	No			Keith Drage, Lucent
BB	**3089**	**S1**	**Rel-6**	**No**	**IMS Messaging**	**IMSM**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**71%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
WT	3090	S1	Rel-6	No	TR on support of messaging in the IMS	IMSM-TR	TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	3560	S1	Rel-6	No	Stage 1 22.340	IMSM-TS	TSG	Mon 11/11/02	Wed 11/12/02	100%	No	No	22.340		Juha Kalliokulju (Nokia)
WT	3559	S1	Rel-6	No	CRs to 22.140 & 22.228	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	100%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3471	S2	Rel-6	No	Stage 2			Mon 04/11/02	Tue 31/08/04	82%	No	No			
WT	3550	N1		No	Stage 3 for IMS Messaging			Fri 13/12/02	Wed 08/09/04	50%	No	No			Keith Drage, Lucent
WT	3852	OMA	Rel-6	No	SIP/SIMPLE Instant messaging		n/a	Thu 01/01/04	Wed 30/06/04	0%	No	No		Updated according to SP-040232	
BB	**2692**	**S2**	**Rel-6**	**No**	**IMS Local services**			**Mon 01/01/01**	**Fri 04/06/04**	**46%**	**No**	**No**	**23.228**		
WT	3123	S2	Rel-6	No	Stage 2			Mon 01/01/01	Fri 29/03/02	100%	No	No			
WT	3546	N1		No	Stage 3 for IMS Local services			Fri 13/12/02	Fri 04/06/04	0%	No	No			Keith Drage, Lucent
BB	**3551**	**N1**	**Rel-6**	**No**	**Additional SIP Capabilities support not covered by Rel-5**			**Mon 11/11/02**	**Wed 08/09/04**	**77%**	**No**	**No**			
WT	3627	S2	Rel-6	No	Stage 2 for add SIP cap (e.g. forking)			Mon 11/11/02	Fri 20/02/04	100%	No	No			
WT	3637	N1		No	Stage 3 for Additional SIP Capabilities			Fri 13/12/02	Wed 08/09/04	60%	No	No			Keith Drage, Lucent
BB	**3552**	**N1**		**No**	**Review additional SIP Capabilities against IMS**			**Fri 13/12/02**	**Fri 12/03/04**	**35%**	**No**	**No**			**Keith Drage, Lucent**
BB	**2048**	**N3**	**Rel-6**	**No**	**Interworking between IMS and IP networks**	**IMS-CCR-IWIP**	**TSG**	**Mon 28/08/00**	**Fri 10/09/04**	**60%**	**No**	**No**	**23.821, 29.061, 29.162**	**[DAB 14.02.02] - end date pushed back to March 2003**	**Nigel Holland, BT**
WT	2828	N3	Rel-6	No	Interworking for 3GPP_SIP and IETF_SIP			Mon 28/08/00	Fri 13/06/03	100%	No	No	New TR 29.962	[DAB - 20.08.03] - CN Part of TR Complete @ CN#20	Thomas Belling, Siemens
WT	2829	N3	Rel-6	No	Interworking for IPv6 to IPv4			Mon 28/08/00	Fri 10/09/04	16%	No	No	29.163	[DAB - 25.05.04] - Awaiting Stage 2	
WT	3808	N1	Rel-6	No	Interworking for IPv6 to IPv4 (SIP / SDP aspects)			Tue 11/05/04	Wed 08/09/04	0%	No	No			
WT	2697	N1	Rel-6	No	stage 3 of interworking with non-IMS IP networks			Wed 14/03/01	Wed 08/09/04	85%	No	No			
WT	2801	N3	Rel-6	No	Interworking between IMS and CS networks	IMS-CCR-IWCS	TSG	Mon 28/08/00	Thu 18/03/04	100%	No	No	29.163, 29.061, 24.228, and new CN4 specification	[DAB - 25.05.04] - CN3 consider this work to be complete	Brendan Mc Williams, Vodafone
BB	**2694**	**N4**	**Rel-6**	**No**	**Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)**	**IMS-CCR-Mn**		**Tue 07/08/01**	**Wed 01/09/04**	**70%**	**No**	**No**		**"[CN4] 17th May 2002, CN4; Will be handled in Rel-6....."**	

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3802	N4	Rel-6	No	Mp (MRFC - MRFP) interface (CN4 Part)	IMS-CCR-Mp		Fri 13/12/02	Tue 30/11/04	0%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601).....	
BB	3561	S1	Rel-6	No	Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6"			Fri 15/11/02	Thu 12/12/02	100 %	No	No			Juha Kalliokulju (Nokia)
BB	3598	S3	Rel-6	No	Lawful Interception in the 3GPP Rel-6 architecture	SEC1-LI	TSG	Mon 09/12/02	Thu 18/12/03	10%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm
BB	3675	S1	Rel-6	No	IMS Subscription and access scenarios			Mon 16/12/02	Fri 13/06/03	100 %	No	No	22.800		
F	3769	S2	R6/R7?	No	3GPP Enablers for services like Push to Talk over Cellular (PoC)	PoC	TSG	Mon 08/09/03	Thu 30/12/04	29%	No	No	23.979		Shabnam Sultana, Ericsson
BB	3846	S2	R6/R7?	No	Feasibility Study	PoC		Mon 08/09/03	Tue 30/11/04	53%	No	No	23.979		Shabnam Sultana, Ericsson
BB	3847	OMA	R6/R7?	No	Dependencies on OMA PoC	PoC	n/a	Thu 01/01/04	Thu 30/12/04	0%	No	No		Updated according to SP-040232	
F	3770	S2	Rel-6	No	Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)	IPv4IMS		Mon 08/09/03	Fri 25/06/04	100 %	No	No	23.881		Alexander Milinski, Siemens
BB	3485	S2	Rel-6	No	"Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""	IMSCOOP	TSG	Mon 16/09/02	Fri 12/12/03	100 %	No	No	23.864		
WT	3543	S2	Rel-6	No	Stage 2 for Interoperability (no contributions assumed that no more will be done in 3GPP hence work may need to be done in pp2)			Mon 16/09/02	Tue 30/09/03	100%	No	No	23.864		Balazs Beternyi, Nokia

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3705	S2	Rel-6	No	Stage 2 for commonality			Mon 16/09/02	Fri 19/09/03	100 %	No	No	23.864		Balazs Beternyi, Nokia
WT	3542	N1	Rel-6	No	Stage 3			Mon 14/10/02	Fri 12/12/03	100%	No	No			Keith Drage, Lucent
F	1365	S1	Rel-6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 27/02/04	99%	Yes	Yes	23.976	AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
BB	2626	S1	Rel-6	No	Stage 1			Wed 03/01/01	Fri 14/06/02	100 %	No	No			
BB	3472	S2	Rel-6	No	TR 23.976 on Push Architecture			Mon 11/11/02	Fri 27/02/04	100 %	No	No	23.976		Nick Alfano, RIM
F	3518	T2	Rel-6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Thu 30/09/04	62%	No	Yes			Josef Laumen, Siemens
BB	3519	S1	Rel-6	No	Definition of service requirements	MMS6-SR		Fri 15/11/02	Fri 19/12/03	100 %	No	No	22.140		
WT	3562	S1	Rel-6	No	Definition of service requirements charging			Fri 15/11/02	Fri 19/12/03	100%	No	No	22.140		Josef Laumen, Siemens
BB	3718	T2	Rel-6	No	Technical realization		TSG	Fri 06/09/02	Wed 08/09/04	70%	No	No	23.140		Josef Laumen, Siemens
BB	3521	T2	Rel-6	No	OMA dependencies		n/a	Fri 15/08/03	Thu 30/09/04	15%	No	No	OMA specs		
BB	3522	S4	Rel-6	No	MMS formats and codecs	MMS6-Codec		Thu 15/08/02	Thu 16/09/04	75%	No	No	26.140		Roberto Castagno (Nokia)
BB	3773	T2	Rel-6	No	Handling of private addressing schemes in MMS		TSG	Wed 10/12/03	Wed 08/09/04	40%	No	No	23.140		Matthias Röbke, T-Mobile
BB	3774	T2	Rel-6	No	FS Multiple MMS Relay/Server Architecture		TSG	Wed 10/12/03	Wed 08/09/04	30%	No	No	probably Annex to 23.140	originally it was intended to create a FS TR but most likely the work will become an Annex of 23.140	Juan Gorospe, Telefónica Móviles
F	3117	T2	Rel-6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Fri 06/06/03	100 %	No	Yes			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3118	T2	Rel-6	No	MExE Rel-6 Improvements and Investigations	MEXE6-ENHANC	TSG	Fri 08/03/02	Wed 12/03/03	100 %	No	Yes	22.057, 23.057		Lars Brenk (TTPCom)
BB	3119	T2	Rel-6	No	MExE Run-Time Independent Framework Feasibility Study	MEXE6-RTIF	TSG	Fri 08/03/02	Fri 06/06/03	100 %	No	Yes	22.857		Aaron Cohen (Intel)
F	2062	S5	Rel-6	No	Subscription Management	SuM	TSG	Fri 20/09/02	Thu 16/09/04	85%	No	Yes	32.140/1, 32.171/2		Istvan ABA (T-Mobile Austria)
F	2499	S1	Rel-6	No	Presence Capability	PRESNC	TSG	Mon 19/03/01	Tue 30/11/04	50%	No	No		"A Sultan merged ""Presence Service Enhancements"" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmts had same target completion date"	Mark Cataldo, Motorola
BB	2501	S1	Rel-6	No	Stage 1			Mon 19/03/01	Fri 18/07/03	100 %	No	No			
BB	2502	S2	Rel-6	No	Stage 2		TSG	Wed 12/09/01	Fri 20/09/02	100 %	No	No			Balazs BERTENYI, Nokia
BB	3703	N1	Rel-6	No	Stage 3			Mon 01/04/02	Wed 08/09/04	90%	No	No			Keith Drage, Lucent
BB	3834	N3	Rel-6	No	Stage 3 (CN3 Part Pk interface)			Mon 01/04/02	Wed 08/09/04	0%	No	No		No Contributions so far	
BB	3687	S4	Rel-6	No	Media Codecs and Formats for IMS Messaging and Presence	PRESNC-COFIMP	TSG	Thu 12/06/03	Thu 16/09/04	10%	No	No	TS 26.141	Also for 31022 IMS Messaging	Harri Honko (Nokia)
BB	2504	S3	Rel-6	No	Security issues			Mon 26/08/02	Thu 12/12/02	20%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2505	T3	Rel-6	No	USIM issues			Mon 04/03/02	Thu 20/06/02	0%	No	No			
BB	3814	N5	Rel-6	No	TR on Presence and Availability Management		TSG	Mon 03/05/04	Fri 10/09/04	0%	No	No	29.998-14	CN#24: NO resource in CN5. Companies supporting the Presence WID (NP-030302) are asked for resources. If no resource, WT should be deleted from the Presence WID / WP).	
BB	3851	OMA	Rel-6	No	SIMPLE Presence		n/a	Thu 01/01/04	Tue 30/11/04	0%	No	No		Updated according to SP-040232	
F	3159	GP	Rel-6	No	Enhanced A/Gb feasibility study	AGbEnFS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No		Closed	J-L Carrizo, Vodafone
BB	3160	G2	Rel-6	No	Feasibility study on A/Gb enhancements	AGbEnFS-FS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No			
WT	3486	GP	Rel-6	No	Requirements for the support of conversational services			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	3553	GP	Rel-6	No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	3554	GP	Rel-6	No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	3487	G2	Rel-6	No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	0%	No	No			
WT	3488	G2	Rel-6	No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	0%	No	No			

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th

F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3489	GP	Rel-6	No	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	3490	GP	Rel-6	No	Standardisation effort			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	3491	GP	Rel-6	No	Dependency to other features			Fri 30/08/02	Fri 08/11/02	100%	No	No			
F	**3166**	**GP**	**Rel-6**	**No**	**Flexible Layer One for GERAN**	**FLOGER**	**TSG**	**Mon 03/01/00**	**Fri 12/11/04**	**93%**	**No**	**No**		**Nokia, Ericsson, Siemens, Telia**	**Benoist Sébire**
BB	**3167**	**GP**	**Rel-6**	**No**	**Realisation of a Flexible Layer One**	**FLOGER-Real**		**Mon 03/01/00**	**Fri 23/04/04**	**100 %**	**No**	**No**		**Completed**	**Benoist Sébire**
WT	3168	GP	Rel-6	No	Technical Report			Fri 19/04/02	Fri 06/02/04	100%	No	No			
WT	3169	G1	Rel-6	No	Architecture in 45.001 and 43.051			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	3170	G1	Rel-6	No	Multiplexing in 45.002			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	3171	G1	Rel-6	No	Channel Coding in 45.003			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	3172	G1	Rel-6	No	Performance Requirements in 45.005			Mon 03/01/00	Fri 23/04/04	100%	No	No			
WT	3173	G1	Rel-6	No	Radio subsystem link control in 45.008			Fri 19/04/02	Fri 23/04/04	100%	No	No			
WT	3174	G2	Rel-6	No	Requirements in 44.004			Fri 19/04/02	Fri 23/04/04	100%	No	No			
BB	**3175**	**G2**	**Rel-6**	**No**	**Signalling and protocol support for a Flexible Layer One**	**FLOGER-SigPro**		**Fri 19/04/02**	**Fri 25/06/04**	**99%**	**No**	**No**		**Completed**	**Benoist Sébire**
WT	3176	G2	Rel-6	No	Modifications to RLC/MAC in 44.060 and 44.160			Fri 19/04/02	Fri 25/06/04	100%	No	No			
WT	3177	G2	Rel-6	No	Modifications to RRC in 44.118 and 44.018			Fri 19/04/02	Fri 25/06/04	100%	No	No			
BB	**3178**	**S3, G2**	**Rel-6**	**No**	**Security for a Flexible Layer One**	**FLOGER-SecFLO**		**Fri 19/04/02**	**Fri 29/08/03**	**100 %**	**No**	**No**		**Started**	**Benoist Sébire**
WT	3179	S3, G2	Rel-6	No	Ciphering in 44.160,44.118, 44.060 and 44.018			Fri 19/04/02	Fri 29/08/03	100%	No	No			
BB	**3180**	**"G4;G5"**	**Rel-6**	**No**	**GERAN MS Conformance test for the Flexible Layer One**	**FLOGER-Msconf**		**Fri 06/02/04**	**Fri 12/11/04**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3181	"G4;G 5"	Rel-6	No	MS Test in 51.010			Fri 06/02/04	Fri 12/11/04	0%	No	No			
BB	**3182**	**G3**	**Rel-6**	**No**	**GERAN BTS Conformance test for the Flexible Layer One**	**FLOGER - BTSconf**		**Fri 06/02/04**	**Fri 12/11/04**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**
WT	3492	G3	Rel-6	No	BTS Test in 51.021			Fri 06/02/04	Fri 12/11/04	0%	No	No			
F	**2797**	**GP**	**Rel-6**	**No**	**Uplink TDOA feasibility study**	**TDOAF**		**Fri 30/11/01**	**Fri 28/06/02**	**100 %**	**No**	**No**	**45.811**		**Bob Gross, TruePosition, Inc.**
F	**2544**	**S1**	**Rel-6**	**No**	**Multimedia Broadcast and Multicast Service**	**MBMS**	**TSG**	**Fri 11/05/01**	**Thu 16/12/04**	**55%**	**No**	**No**		**Title renamed at SA#13**	
BB	**2545**	**S1**	**Rel-6**	**No**	**Stage 1**			**Fri 11/05/01**	**Mon 01/04/02**	**100 %**	**No**	**No**	**22.146, 22.101**	**This may or may not be a separate stage 1. In the meantime, CRs are proposed for 22.101**	
BB	**2680**	**S2**	**Rel-6**	**No**	**Stage 2**		**TSG**	**Mon 24/09/01**	**Wed 17/03/04**	**99%**	**No**	**No**			
WT	3473	S2	Rel-6	No	TR on Architectural Study			Mon 24/09/01	Fri 23/08/02	100%	No	No	23.846		
WT	3474	S2	Rel-6	No	Stage 2 Specification Work. (User Service aspects may impact) (progress will be check in Friday of S2 #38 !!)			Mon 19/08/02	Wed 17/03/04	100%	No	No	23.246		
BB	**2481**	**R2**	**Rel-6**	**No**	**Introduction of MBMS in RAN**	**MBMS-RAN**	**TSG**	**Tue 01/01/02**	**Wed 15/12/04**	**80%**	**No**	**No**	**TS 25.346, TS 25.304, 25.321, 25.322, 25.323, 25.331**		**Juho Pirskanen , Nokia**
BB	**3212**	**N1**	**Rel-6**	**No**	**Support of the MBMS in CN protocols**		**TSG**	**Tue 18/06/02**	**Wed 08/09/04**	**78%**	**No**	**No**			
BB	**3766**	**N3**	**Rel-6**	**No**	**Gmb interface for MBMS (CN3 part)**			**Fri 29/08/03**	**Fri 10/09/04**	**50%**	**No**	**No**	**29.061**		

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F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Early Impl.**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**3530**	**S3**	**Rel-6**	**No**	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	**MBMS**	**TSG**	**Mon 01/07/02**	**Thu 25/09/03**	**20%**	**No**	**No**		**WID approved SA#17**	**Escott, Adrian, 3**
BB	**3493**	**GP**	**Rel-6**	**No**	**Support of MBMS in GERAN**	**MBMS-GERAN**	**TSG**	**Thu 30/08/01**	**Fri 12/11/04**	**46%**	**No**	**No**			
WT	3494	GP	Rel-6	No	Impact on the logical and physical channels			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3497	G2	Rel-6	No	Re-synchronisation at cell change			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3780	GP	Rel-6	No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3781	GP	Rel-6	No	Simultaneous support of MBMS and non-MBMS services			Thu 30/08/01	Fri 12/11/04	50%	No	No			
WT	3782	GP	Rel-6	No	Resynchronisation at cell change			Thu 30/08/01	Fri 12/11/04	50%	No	No			
WT	3498	GP	Rel-6	No	Decision making process between point-to-point or pont-to-multipoint configurations			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3499	GP	Rel-6	No	MBMS channel allocations procedures to multiple MSs			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3500	GP	Rel-6	No	Changes to the Gb interface			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3501	GP	Rel-6	No	GERAN specific changes to the Iu-ps interface			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3502	GP	Rel-6	No	Interaction between MBMS and Iu-flex			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3503	GP	Rel-6	No	Security aspects			Fri 30/08/02	Fri 12/11/04	50%	No	No			
WT	3783	G3	Rel-6	No	MS conformance tests-G3			Fri 30/08/02	Fri 12/11/04	0%	No	No			
BB	**3776**	**S1**	**Rel-6**	**No**	**MBMS User Services**			**Tue 13/05/03**	**Thu 16/12/04**	**69%**	**No**	**No**	**22.246**		
BB	**3775**	**S1**	**Rel-6**	**No**	**MBMS User Services Stage 1**			**Tue 13/05/03**	**Thu 01/04/04**	**100 %**	**No**	**No**	**22.246**		
WT	3688	S4	Rel-6	No	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	MBMS-TSMBMS	TSG	Thu 12/06/03	Thu 16/12/04	50%	No	No	26.346		Igor Curcio (Nokia)

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2732	S1	Rel-6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Thu 10/06/04	97%	No	No			
BB	2733	S1	Rel-6	No	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	DSR	TSG	Mon 08/10/01	Fri 15/03/02	100 %	No	No	22.941, 23.207, 22.243		D Williams, QUALCOMM, Inc.
BB	2779	S2	Rel-6	No	TR on Architectural impacts			Mon 12/05/03	Tue 02/03/04	100 %	No	No	23.877		
BB	3574	S4	Rel-6	No	Codec Work to Support Speech Recognition Framework for Automated Voice Services	SRSES-Codec	WG	Tue 15/10/02	Thu 10/06/04	95%	No	No	26.235, 26.236, 26.243		David Pearce, Motorola
BB	3842	OMA	Rel-6	No	Multimodal support			Thu 01/01/04	Thu 01/01/04	0%	No	No			
F	2734	S1	Rel-6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 30/11/04	68%	No	No			
BB	2735	S1	Rel-6	No	Stage 1 - Requirements			Mon 08/10/01	Fri 30/05/03	100 %	No	No	22.240, 22.228		Paul Amery (Orange)
BB	2737	S2	Rel-6	No	Stage 2 - Architecture			Mon 28/01/02	Fri 06/06/03	100 %	No	No	23.240		Harri KOSKINEN, Nokia
BB	3716	T2	Rel-6	No	Stage 2 - Data Description Method		TSG	Thu 05/12/02	Fri 05/03/04	90%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA)
BB	3717	T2	Rel-6	No	Stage 3 - Common objects		TSG	Thu 05/12/02	Fri 03/09/04	60%	No	No	24.241		
BB	3088	N4	Rel-6	No	Stage 3 - Network			Mon 19/05/03	Tue 30/11/04	40%	No	No	29.240	17 May no activity in CN4.....	
BB	3531	S3	Rel-6	No	Security Aspects		WG	Tue 16/07/02	Thu 18/09/03	15%	No	No	33.102, 33.203, 33.210	WID approved SA#17. SA WG3 progress slow, depends on progress in other groups.	Owen, Bradley

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2761	S1	Rel-6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 28/05/04	39%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
BB	2762	S1	Rel-6	No	Requirements			Mon 08/10/01	Thu 13/06/02	100 %	No	No			Nicholas Wood, Openwave Systems
BB	3591	S1	Rel-6	No	Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			Mon 19/08/02	Fri 21/03/03	20%	No	No			
BB	2764	S3	Rel-6	No	Monitoring of Security (work done by OMA)			Mon 17/06/02	Mon 03/03/03	40%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
BB	3844	OMA	Rel-6	No	Stage 2			Thu 01/01/04	Fri 28/05/04	0%	No	No			
BB	3843	OMA	Rel-6	No	Stage 3			Thu 01/01/04	Fri 28/05/04	0%	No	No			
F	2767	S1	Rel-6	No	WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Thu 30/09/04	80%	No	No			Fredric Paint, Telenor
BB	2820	S1	Rel-6	No	Technical Report	WLAN-TR		Mon 03/01/00	Fri 13/06/03	100 %	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor
BB	3563	S1	Rel-6	No	Stage 1	WLAN-TS		Mon 06/01/03	Fri 11/06/04	76%	No	No	22.234		Fredric Paint, Telenor
WT	3853	S1	Rel-6	No	Global stage 1	WLAN-TS		Mon 06/01/03	Fri 11/06/04	99%	No	No	22.234		Fredric Paint, Telenor
WT	3854	S1	Rel-7	No	Session Continuity	WLAN-SC		Mon 05/01/04	Fri 11/06/04	0%	No	No			
BB	3130	S2	Rel-6	No	Architecture Definition for scenarii 2 and 3		TSG	Mon 25/03/02	Mon 31/05/04	100 %	No	No	23.234		

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3475	S3	Rel-6	No	Security		TSG	Mon 30/09/02	Fri 21/03/03	30%	No	No	21.133, 33.106, 33.107, 33.108, 33.200, 33.203, 33.210	Active contribution S3#24, S3#25. WID approved SA#17	Lopez-Soria, Luis, Ericsson
BB	3662	N4	Rel-6	No	Stage 3 - CN4 aspects	WLAN-IW	TSG	Fri 23/05/03	Wed 01/09/04	77%	No	No	29.234, 29.061	WID approved at CN#19.....	Rodriguez ,Raquel, Nokia
BB	3835	N3	Rel-6	No	Stage 3 - CN3 aspects (Wi Interface for Scenario 3)	WLAN	TSG	Fri 23/05/03	Thu 30/09/04	68%	No	No	29.161	WID approved at CN#19.....	
BB	3678	N1	Rel-6	No	Stage 3 for scenario 2		WG	Fri 23/05/03	Wed 08/09/04	78%	No	No			
BB	3833	N1	Rel-6	No	Stage 3 for scenario 3		WG	Fri 23/05/03	Wed 08/09/04	40%	No	No			
F	2822	S1	Rel-6	No	Priority Service	PRIOR	TSG	Thu 30/05/02	Thu 16/12/04	61%	No	No			
BB	2823	S1	Rel-6	No	Feasibility Study	PRIOR-FS		Fri 14/06/02	Fri 14/06/02	100 %	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies
BB	2824	S1	Rel-6	No	Stage 1 - Requirements	PRIOR-SR		Thu 30/05/02	Wed 17/09/03	100 %	No	No			James J. Garrahan, Telcordia Technologies
BB	3674	S1	Rel-6	No	Multimedia Priority Service			Fri 28/03/03	Thu 16/12/04	20%	No	No			
BB	3680	S1	Rel-6	No	Priority service implementation guide			Fri 28/03/03	Fri 26/09/03	100 %	No	No	22.952		Biplab K. Pramanik, Telcordia Technologies
F	2825	S1	Rel-6	No	Network Sharing	NTShar	TSG	Mon 20/01/03	Wed 15/09/04	73%	No	No			
BB	2826	S1	Rel-6	No	Technical Report	NTShar-TR		Mon 20/01/03	Fri 19/12/03	100 %	No	No	22.951		

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3638	S1	Rel-6	No	Stage 1 - CRs to implement Network Sharing	NTShar-CR		Mon 20/01/03	Fri 19/12/03	100 %	No	No	22.011, 22.101, 22.115, 22.129		
BB	3664	S2	Rel-6	No	Stage 2			Thu 27/02/03	Fri 30/07/04	83%	No	No	23.251		
BB	3679	N1	Rel-6	No	Network sharing - stage 3		WG	Fri 23/05/03	Wed 08/09/04	40%	No	No			
BB	3763	R2	Rel-6	No	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANEnh	TSG	Fri 19/09/03	Wed 15/09/04	50%	No	No	TS25.401, TS25.413, TS25.331, TS25.304		Anders Dahlén, TeliaSonera
F	2811	S2	Rel-6	No	QoS Improvements	QoS1	TSG	Mon 15/07/02	Fri 10/09/04	89%	No	No			
BB	2812	S2	Rel-6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 23/04/04	100 %	No	No	23.917		
BB	3701	S2	Rel-6	No	Definition of the Gq interface			Tue 01/07/03	Fri 23/04/04	100 %	No	No	23.221		Janne Rinne (Nokia)
BB	3767	N3	Rel-6	No	Gq interface specification for Dynamic Policy control enhancements – Stage 3		TSG	Fri 29/08/03	Fri 10/09/04	60%	No	No	24,228, 29.207, 29.208	[DAB - 25.05.04] - Delayed to Sept - possibly Dec 2004	Anna Sillanpää, Nokia
F	2814	S3	Rel-6	No	Subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Tue 30/11/04	54%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
BB	3476	S3	Rel-6	No	Stage 1			Mon 25/02/02	Thu 12/09/02	40%	No	No		Contribution received S3#24, S3#25	
BB	3477	S2	Rel-6	No	Architecture review			Mon 14/10/02	Thu 14/11/02	100 %	No	No			

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3765	N4	Rel-6	No	Stage 3	SEC1-SC		Fri 19/09/03	Tue 30/11/04	50%	No	No		WID approved at CN#21.....	Lauri Laitinen, Nokia
BB	3809	N1	Rel-6	No	Stage 3 Ua & Ub interfaces			Mon 03/11/03	Wed 08/09/04	40%	No	No			
BB	3848	OMA	Rel-6	No	OMA dependencies on Subscriber certificates		n/a	Thu 01/01/04	Tue 08/06/04	100 %	No	No		Updated according to SP-040420	
F	3101	S1	Rel-6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 31/10/02	Thu 16/09/04	70%	No	No	22.127, 29.198, 29.998	CN#24: TSG Approval delayed 06/04->09/04.	Chelo ABARCA (Alcatel)
BB	3673	S1	Rel-6	No	Scope of the Open Service Access Release 6		TSG	Fri 28/03/03	Fri 27/06/03	100 %	No	No			
BB	3568	N5	Rel-6	No	Multi Media Messaging function		TSG	Thu 31/10/02	Fri 10/09/04	60%	No	No	29.198, 29.998	CN#24: TSG Approval delayed 06/04->09/04.	
BB	3570	N5	Rel-6	No	Policy management extensions		TSG	Thu 31/10/02	Fri 12/12/03	100 %	No	No	29.198, 29.998		
BB	3571	N5	Rel-6	No	TS on Presence and Availability Management (from the PRESNC WI)		TSG	Thu 31/10/02	Fri 26/03/04	100 %	No	No	29.198-14	N5#26: Split WI into TS & TR.	
BB	3644	N5	Rel-6	No	OSA interfaces at different levels of abstractions (Parlay X, Web services)		TSG	Mon 14/07/03	Fri 10/09/04	90%	No	No	29.199	CN#24: TSG Approval delayed 06/04->09/04.	
BB	3645	N5	Rel-6	No	Introduction of migration support mechanism		TSG	Thu 31/10/02	Wed 10/12/03	100 %	No	No	29.198, 29.998		
BB	3646	N5	Rel-6	No	User Profile		TSG	Thu 17/04/03	Fri 10/09/04	0%	No	No	29.198, 29.998	CN#24: TSG Approval delayed 06/04->09/04. Still Pending input from SA1/2.	
BB	3648	N5	Rel-6	No	Framework Function for Federation		TSG	Mon 03/02/03	Fri 12/12/03	100 %	No	No	29.198, 29.998		
BB	3849	OMA	Rel-6	No	OMA dependencies on OSA		n/a	Thu 18/12/03	Thu 16/09/04	0%	No	No		Updated according to SP-040420	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3240**	**GP**	**Rel-6**	**No**	**Addition of frequency bands to GSM**	**TAPS**	**TSG**	**Fri 28/06/02**	**Fri 12/11/04**	**4%**	**No**	**No**			**Torben Themsen**
BB	**3241**	**G1**	**Rel-6**	**No**	**Addition of frequency bands to GSM – Changes to core specs**	**TAPS-Specs**	**TSG**	**Fri 15/11/02**	**Fri 20/12/02**	**100 %**	**No**	**No**		**Ready**	**Torben Themsen**
WT	3242	G1	Rel-6	No	Changes to core specs			Fri 15/11/02	Fri 20/12/02	100%	No	No			
BB	**3243**	**G4**	**Rel-6**	**No**	**Addition of frequency bands to GSM – Changes for conformance tests**	**TAPS-Conf**		**Fri 28/06/02**	**Fri 12/11/04**	**0%**	**No**	**No**		**Not started**	**Torben Themsen**
WT	3244	G4	Rel-6	No	51.010-1 Add testing			Fri 28/06/02	Fri 12/11/04	0%	No	No			
F	**3505**	**GP**	**Rel-6**	**No**	**Seamless support of streaming services in A/Gb mode**	**SSStrea**	**TSG**	**Mon 03/01/00**	**Fri 30/01/04**	**94%**	**No**	**No**			**José Luis Carrizo Martínez, Vodafone**
BB	**3506**	**G1**	**Rel-6**	**No**	**Identification of requirements for streaming**			**Fri 27/06/03**	**Fri 29/08/03**	**100 %**	**No**	**No**		**Started**	
WT	3604	G1	Rel-6	No	Requirements			Fri 27/06/03	Fri 29/08/03	100%	No	No			
BB	**3507**	**G1**	**Rel-6**	**No**	**Performance study of cell change mechanisms**			**Mon 03/01/00**	**Fri 29/08/03**	**100 %**	**No**	**No**		**Started**	
WT	3605	G1	Rel-6	No	Performance of NACC			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	3606	G1	Rel-6	No	Performance of cell change in DTM for the PS domain			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	3607	G1	Rel-6	No	Handover			Mon 03/01/00	Fri 29/08/03	100%	No	No			
BB	**3508**	**G2**	**Rel-6**	**No**	**Reduction of service interruption times and packet loss during mobility procedures**			**Fri 27/06/03**	**Fri 21/11/03**	**99%**	**No**	**No**		**Completed at GERAN#17**	
WT	3608	G2	Rel-6	No	Optimisations of existing mechanisms/procedures			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	3609	G2	Rel-6	No	Inter-system NACC			Fri 27/06/03	Fri 21/11/03	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3610	G2	Rel-6	No	PS Handover (within GERAN and between GERAN and UTRAN)			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	3611	G2	Rel-6	No	Dependency to other features			Fri 27/06/03	Fri 21/11/03	100%	No	No			
BB	**3510**	**G3**	**Rel-6**	**No**	**MS conformance testing**			**Fri 19/12/03**	**Fri 30/01/04**	**100 %**	**No**	**No**		**Closed, no work needed**	
WT	3612	G4,G5	Rel-6	No	MS conformance tests			Fri 19/12/03	Fri 30/01/04	100%	No	No		Closed, no work needed	
BB	**3599**	**S3**	**Rel-6**	**No**	**GERAN A/Gb mode security enhancements**			**Thu 26/09/02**	**Thu 25/09/03**	**10%**	**No**	**No**	**33.102**	**Possible changes to 33.102 or new specification needed.**	**Peter Howard, Vodafone**
F	**3512**	**S4**	**Rel-6**	**No**	**Performance characterisation of default codecs for PS conversational multimedia application**	**CODCAR**	**TSG**	**Fri 13/09/02**	**Thu 10/06/04**	**100 %**	**No**	**No**	**TR 26.935**		**Pasi Ojala (Nokia)**
F	**3533**	**S1**	**Rel-6**	**No**	**Study on Privacy Capability**	**PrivCap**	**TSG**	**Mon 10/11/03**	**Wed 03/03/04**	**85%**	**No**	**No**	**TR 21.xyz**		**Liz Daniel, Lucent**
F	**3535**	**S5**	**Rel-6**	**No**	**OAM&P**	**OAM**	**TSG**	**Thu 12/09/02**	**Thu 16/12/04**	**81%**	**No**	**No**	**32-series**	**SA#24: Completionl delayed 09/04->12/04 due to OAM-Trace.**	**Michael TRUSS (Motorola)**
BB	**3536**	**S5**	**Rel-6**	**No**	**Principles, high level Requirements and Architecture**	**OAM-AR**	**TSG**	**Thu 12/09/02**	**Thu 16/09/04**	**100 %**	**No**	**Yes**	**32.101, 32.102**	**SA#24: Completed**	**Michael TRUSS (Motorola)**
BB	**3537**	**S5**	**Rel-6**	**No**	**Performance Management**	**OAM-PM**	**TSG**	**Thu 12/09/02**	**Thu 16/09/04**	**80%**	**No**	**No**	**32.41x, 52.402**		**Christian TOCHE (Nortel Networks)**
BB	**3539**	**S5**	**Rel-6**	**No**	**Network Infrastructure Management**	**OAM-NIM**	**TSG**	**Thu 12/09/02**	**Thu 16/09/04**	**85%**	**No**	**No**	**32.15x, 32.3/6/7xy**		**Thomas TOVINGER (Ericsson)**
BB	**3540**	**S5**	**Rel-6**	**No**	**Trace Management**	**OAM-Trace**	**TSG**	**Fri 20/09/02**	**Thu 16/12/04**	**69%**	**No**	**No**	**32.42x, 52.008**	**SA#24: RAN3 completed. For the rest Completion delayed 09/04->12/04 due to OAM-Trace & CN1 input.**	**Kari RÖNKÄ (Nokia)**
WT	3764	S5	Rel-6	No	Subscriber and UE trace management	OAM-Trace	TSG	Fri 20/09/02	Thu 16/12/04	80%	No	No	32.42x, 52.008	SA#24: Completionl delayed 09/04->12/04 due to OAM-Trace.	Kari RÖNKÄ (Nokia)

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 July 8th															
F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3685	R3	Rel-6	No	Subscriber and equipment trace in UTRAN	OAM-Trace-RAN	TSG	Fri 06/06/03	Tue 15/06/04	100%	No	No	TS25.413, 25.420, 25.423		Yann Sehedi, Nortel
WT	3810	N1	Rel-6	No	SIP enhancements for trace			Mon 16/02/04	Wed 08/12/04	2%	No	No			
F	**3583**	**S5**	**Rel-6**	**No**	**Charging Management**	**CH**	**TSG**	**Thu 21/11/02**	**Thu 16/09/04**	**85%**	**No**	**No**	**32.2xy**	**az: SA#23 TSG approval 06/04->09/04**	**Karl-Heinz NENNER (T-Mobile)**
BB	**3584**	**S5**	**Rel-6**	**No**	**Charging Management for Bearer level**	**CH-BC**	**TSG**	**Fri 21/03/03**	**Thu 16/09/04**	**85%**	**No**	**No**			**Benni ALEXANDER (Nokia)**
BB	**3585**	**S5**	**Rel-6**	**No**	**Charging Management for the IMS**	**CH-IC**	**TSG**	**Fri 21/03/03**	**Thu 16/09/04**	**85%**	**No**	**No**			**Patrik TEPPO (Ericsson)**
BB	**3586**	**S5**	**Rel-6**	**No**	**Charging Management for the Service domain**	**CH-SC**	**TSG**	**Fri 21/03/03**	**Thu 16/09/04**	**85%**	**No**	**No**			**Gerald GÖRMER (Siemens)**
BB	**3594**	**S2**	**Rel-6**	**No**	**Overall architectural aspects of IP flow based bearer level charging**	**CH-FBC**		**Thu 21/11/02**	**Fri 30/07/04**	**84%**	**No**	**No**	**23.125**		
WT	3836	S2	Rel-6	No	Overall definition of FBC architecture			Thu 21/11/02	Tue 02/03/04	99%	No	No			
WT	3837	S2	Rel-6	No	Study on providing policy control with FBC			Mon 02/02/04	Fri 30/07/04	45%	No	No			
F	**1800**	**T3**	**Rel-6**	**No**	**Rel-6 UICC/USIM enhancements and interworking**	**USAT1**	**TSG**	**Mon 25/09/00**	**Thu 19/02/04**	**99%**	**No**	**No**			
BB	**1802**	**T3**	**Rel-6**	**No**	**UICC API**	**USAT1-API**		**Wed 20/03/02**	**Thu 19/02/04**	**98%**	**No**	**No**		**8/3/2001: test spec is based on R99 core spec, so deleted from Workplan**	
WT	3719	T3	Rel-6	No	Java API Test specification			Wed 20/03/02	Mon 10/06/02	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	3720	T3	Rel-6	No	Java API Test specification (TS 43.019 Rel-5)			Thu 30/05/02	Mon 09/06/03	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	3721	T3	Rel-6	No	2G/3G Java Card™ API based applet interworking	USAT1-API	TSG	Mon 17/03/03	Thu 19/02/04	95%	No	No			Stéphane Andrau-Oberthur Card Systems
BB	**3587**	**T3**	**Rel-6**	**No**	**Rel-6 USIM toolkit enhancements**			**Mon 25/09/00**	**Fri 27/09/02**	**99%**	**No**	**No**			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3722	T3	Rel-6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			
WT	3723	T3	Rel-6	No	Specification		TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			Neil Livingston – Aspects Software
WT	3724	T3	Rel-6	No	Test specification		TSG	Mon 01/01/01	Fri 28/09/01	100%	Yes	Yes			Neil Livingston – Aspects Software
F	**3579**	**S4**	**Rel-6**	**No**	**Packet Switched Streaming Services Rel-6**	**PSSrel6**	**TSG**	**Mon 18/11/02**	**Thu 16/09/04**	**92%**	**No**	**No**			**Olle Franceschi (Ericsson)**
BB	**3639**	**S1**	**Rel-6**	**No**	**Stage 1**		**TSG**	**Mon 18/11/02**	**Mon 17/03/03**	**100 %**	**No**	**No**	**22.233**	**2nd resp SA4**	
BB	**3663**	**S4**	**Rel-6**	**No**	**Stage 3**	**PSSrel6-Stage3**	**WG**	**Fri 13/12/02**	**Thu 16/09/04**	**90%**	**No**	**No**	**26.233, 26.234, 26.244, 26.245, 26.246**		**Olle Franceschi (Ericsson)**
F	**3580**	**S4**	**Rel-6**	**No**	**AMR-WB extension for high audio quality**	**AMRWB+**	**TSG**	**Fri 13/12/02**	**Thu 10/06/04**	**95%**	**No**	**No**			**Janne Vainio (Nokia)**
F	**3811**	**S4**	**Rel-6**	**No**	**Codec Enhancements for Packet Switched Conversational Multimedia Applications**	**CEPSCM**	**WG**	**Tue 16/03/04**	**Thu 16/09/04**	**20%**	**No**	**No**	**26.235, 26.236**		**Miska Hannuksela (Nokia)**
F	**3812**	**S4**	**Rel-6**	**No**	**3G-324M Improvements**	**3G-324MI**	**WG**	**Tue 16/03/04**	**Thu 16/09/04**	**40%**	**No**	**No**	**26.111, 26.911**		**Bo Burman, Ericsson**
F	**3613**	**"GP; G1"**	**Rel-6**	**No**	**Single Antenna Receiver Interference Cancellation (SAIC)**	**SAIC**	**TSG**	**Fri 15/11/02**	**Fri 27/08/04**	**90%**	**No**	**No**			**Marc Grant, Cingular Wireless**
F	**3614**	**GP**	**Rel-6**	**No**	**Support of Conversational Services in A/Gb mode via the PS domain**	**SCSAGB**	**TSG**	**Fri 07/02/03**	**Fri 27/08/04**	**28%**	**No**	**No**			**David Bladsjö, Ericsson**
BB	**3615**	**GP**	**Rel-6**	**No**	**Creation of a TR**	**SCSAGB-TR**	**TSG**	**Fri 07/02/03**	**Fri 21/11/03**	**100 %**	**No**	**No**			**David Bladsjö, Ericsson**

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	3616	GP	Rel-6	No	Stage 2	SCSAGB-Stage2	TSG	Fri 21/11/03	Fri 27/08/04	35%	No	No		Started	David Bladsjö, Ericsson
BB	3617	GP	Rel-6	No	Radio Channel Support	SCSAGB-RCS	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3618	"GP; G2"	Rel-6	No	Definition of radio resource management functionality	SCSAGB-RRM	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3619	GP	Rel-6	No	PS Handover	SCSAGB-PSH	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	3620	"GP; G2"	Rel-6	No	Modifications to FLO	SCSAGB-FLO	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
F	3642	S1	Rel-6	No	Enhancement of dialled service for CAMEL	EDCAMEL	TSG	Fri 28/03/03	Wed 31/12/03	100 %	No	No			Craig Bishop, Samsung Electronics Research Institute
BB	3725	N4	Rel-6	No	Stages 2 and 3			Fri 28/03/03	Wed 31/12/03	100 %	No	No			
F	3702	S2	Rel-6	No	Bandwidth and resource savings in CS networks	BARS		Sun 01/06/03	Wed 16/06/04	100 %	No	No	23.977		
F	3704	S3	Rel-6	No	FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces		TSG	Thu 03/07/03	Fri 26/12/03	5%	No	No		Approved TSG#20	Raziq Yaqub, Toshiba America Research Inc.
F	3706	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 05/04/02	Fri 25/06/04	65%	No	No			Gunnar Mildh, Ericsson
BB	3707	"GP; G2"	Rel-6	No	Multiple TBF in A/Gb mode	MULTBF-Agbmode	TSG	Fri 05/04/02	Fri 29/08/03	100 %	No	No			Gunnar Mildh, Ericsson
WT	3708	"GP;G2"	Rel-6	No	Multiple TBF Concept paper			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	3709	"GP;G2"	Rel-6	No	Multiple TBF Stage 2 (43.064) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3710	"GP;G 2"	Rel-6	No	Multiple TBF Stage 3 (44.060) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No		Not started	
BB	**3711**	**G3**	**Rel-6**	**No**	**Multiple TBF in A/Gb mode – MS testing**	**MULTBF -Testing**	**TSG**	**Fri 05/04/02**	**Fri 25/06/04**	**0%**	**No**	**No**		**Not started**	**Gunnar Mildh, Ericsson**
F	**3712**	**G3**	**Rel-6**	**No**	**Alignment between the test-regimes for GERAN capable MS**	**ALTERE**	**TSG**	**Fri 29/08/03**	**Fri 27/08/04**	**80%**	**No**	**No**			**Toubassi, Ericsson**
BB	**3713**	**G3**	**Rel-6**	**No**	**Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.**	**ALTERE -TC**	**TSG**	**Fri 29/08/03**	**Fri 27/08/04**	**80%**	**No**	**No**		**Started**	
F	**3784**	**GP**	**Rel-6**	**No**	**Addition of U-TDOA in the CS domain**	**UTDOA CS**	**TSG**	**Fri 21/11/03**	**Fri 23/04/04**	**100 %**	**No**	**No**		**Completed, except for potential LMU performance specs**	**Bob Gross, Rhys Robinson, TruePosition, Inc.**
F	**3785**	**GP**	**Rel-6**	**No**	**Addition of U-TDOA in the PS domain**	**UTDOA PS**	**TSG**	**Fri 27/06/03**	**Fri 12/11/04**	**5%**	**No**	**No**		**Started**	**Bob Gross, Rhys Robinson, TruePosition, Inc.**
F	**3786**	**GP**	**Rel-6**	**No**	**Downlink Advanced Receiver Performance**	**DARP**	**TSG**	**Fri 21/11/03**	**Mon 28/02/05**	**27%**	**No**	**No**			**Tommy Bysted, Nokia**
BB	**3787**	**GP**	**Rel-6**	**No**	**DARP test scenarios**	**DARP-TS**	**TSG**	**Fri 21/11/03**	**Fri 27/08/04**	**45%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
BB	**3788**	**GP**	**Rel-6**	**No**	**DARP for GMSK modulated voice services**	**DARP-GMSK**	**TSG**	**Fri 06/02/04**	**Fri 12/11/04**	**15%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
WT	3789	GP	Rel-6	No	Performance requirements in 45.005	DARP-GMSK-Perf	TSG	Fri 06/02/04	Fri 12/11/04	15%	No	No		Started	
WT	3790	GP	Rel-6	No	Radio subsystem link control in 45.008	DARP-GMSK-LC	TSG	Fri 06/02/04	Fri 12/11/04	15%	No	No		Started	

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**3791**	**GP**	**Rel-6**	**No**	**DARP for GPRS and EGPRS MCS1-MCS4**	**DARP-GPRSE**	**TSG**	**Fri 06/02/04**	**Fri 12/11/04**	**10%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
WT	3792	GP	Rel-6	No	Performance requirements in 45.005	DARP-GPRSE-Perf	TSG	Fri 06/02/04	Fri 12/11/04	10%	No	No		Started	
WT	3793	GP	Rel-6	No	Radio subsystem link control in 45.008	DARP-GPRSE-LC	TSG	Fri 06/02/04	Fri 12/11/04	10%	No	No		Started	
BB	**3794**	**GP**	**Rel-6**	**No**	**DARP Capability signalling**	**DARP-CAPSIG**	**TSG**	**Fri 21/11/03**	**Fri 27/08/04**	**75%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
BB	**3795**	**G3**	**Rel-6**	**No**	**GERAN MS Conformance test for DARP**	**ARP-ConfTest**	**TSG**	**Fri 27/08/04**	**Mon 28/02/05**	**10%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
F	**3796**	**G2**	**Rel-6**	**No**	**Reduction of PS service interruption in Dual Transfer Mode**	**PSintDTM**	**TSG**	**Fri 21/11/03**	**Fri 12/11/04**	**50%**	**No**	**No**			**Toby Proctor, Siemens**
BB	**3797**	**G2**	**Rel-6**	**No**	**Use case and requirement definition**	**PSintDTM-Req**	**TSG**	**Fri 21/11/03**	**Fri 23/04/04**	**100 %**	**No**	**No**		**Started**	**Toby Proctor, Siemens**
BB	**3798**	**G2**	**Rel-6**	**No**	**Performance Study of Current Procedures**	**PSintDTM-Perf**	**TSG**	**Fri 21/11/03**	**Fri 23/04/04**	**100 %**	**No**	**No**		**Started**	**Toby Proctor, Siemens**
BB	**3799**	**G2**	**Rel-6**	**No**	**Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures**	**PSintDTM-Reduct**	**TSG**	**Fri 23/04/04**	**Fri 25/06/04**	**25%**	**No**	**No**		**Started**	**Toby Proctor, Siemens**
BB	**3800**	**G3**	**Rel-6**	**No**	**MS Conformance testing**	**PSintDTM-ConfMS**	**TSG**	**Fri 25/06/04**	**Fri 12/11/04**	**0%**	**No**	**No**		**Not started**	
BB	**3801**	**G3**	**Rel-6**	**No**	**BTS Conformance testing**	**PSintDTM-ConfBTS**	**TSG**	**Fri 25/06/04**	**Fri 12/11/04**	**0%**	**No**	**No**		**Not started**	
F	**3813**	**N4**	**Rel-6**	**No**	**CAMEL prepay interworking with SCUDIF**	**SCCAMEL**		**Mon 08/12/03**	**Tue 05/10/04**	**0%**	**No**	**No**			

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F/ BB/ WT	WI ID	WG	Rel	Early Impl.	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	3804	S1	Rel-6	No	Circuit Switched Video and Voice Service Improvements	CS_VSS	TSG	Mon 12/01/04	Fri 29/10/04	47%	No	No	23.801		John Watson, Vodafone Group
BB	3805	S1	Rel-6	No	Stage 1 - Requirements		TSG	Mon 12/01/04	Thu 14/10/04	100 %	No	No			John Watson, Vodafone Group
BB	3838	S2		No	Stage 2 Study on architecture alternatives			Mon 12/01/04	Fri 13/08/04	80%	No	No			
BB	3839	S2		No	Stage 2 description on Redial			Mon 03/05/04	Fri 29/10/04	0%	No	No	23.903		
BB	3807	G2	Rel-6	No	GERAN2 Part		TSG	Mon 12/01/04	Thu 14/10/04	0%	No	No			
F	3826	S2		No	Access Class Barring and Overload Protection	ACBOP	TSG	Mon 15/03/04	Tue 30/11/04	20%	No	No	23.898		Chris Pudney, Vodafone
BB	3827	S2		No	TR on Stage 2		TSG	Mon 15/03/04	Tue 30/11/04	42%	No	No			
BB	3828	RP		No	Extra ACBOP information in RAN		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	25.331		
BB	3829	GP		No	Extra ACBOP information in GERAN		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	44.018		
BB	3830	RP		No	Potential impact on Iu interface Overload functionality		TSG	Mon 15/03/04	Tue 15/06/04	0%	No	No	25.413		
F	3831	S2		No	Combining CS bearers with IMS	CSI	TSG	Mon 15/03/04	Tue 30/11/04	0%	No	No	23.899		Mark Watson, Nortel Networks
BB	3832	S2		No	TR on Alternative Architectures for Combining CS Bearers with IMS		TSG	Mon 15/03/04	Tue 30/11/04	0%	No	No			
F	3840	S1		No	USSD message delivery and transfer to USIM		TSG	Thu 18/03/04	Fri 15/10/04	10%	No	No	22.090		

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F	3855	GP		No	Generic Access to A/Gb Interface	GAAG	TSG	Fri 25/06/ 04	Fri 28/01/ 05	0%	No	No			Motorola