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

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

Source:	**Secretary TSG SA (M. Pope, MCC)**
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View from the meeting Hotel, Maui

Contents

# 1	Opening of the meeting

The meeting was opened by the TSG SA Chairman, Mr. Niels Peter Skov Andersen, and delegates welcomed to the meeting. Mr. Gary Jones welcomed delegates to Maui, Hawaii, on behalf of the North American Friends of 3GPP, ARIB and TTC

IPR declaration:

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

> The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.
>
> The members take note that they are hereby invited:
>
> -	to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
>
> -	to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

# 2	Approval of the Agenda

The agenda was provided in TD SP-030560 was approved.

# 3	Approval of the meeting report of TSG SA Meeting # 21

TD SP-030561 Draft Report of TSG SA meeting #21. This was introduced by the TSG Chairman and the TSG SA Secretary mentioned that the comments/objections attributed to TIM in the report in some places would be removed as TIM had reported that they had not made the comments. With these changes the report was approved.

TD SP-030725 Proposed change to report of TSG SA meeting #21. These changes were not reviewed before the approval of the report in TD SP-030561 and the changes were not considered necessary as the Rel-99 is already included in the specifications. These changes were therefore not accepted.

# 4	Items for immediate consideration

TD SP-030670 Summary of e-mail discussion on organisation of charging work. This was introduced by Lucent Technologies and outlined the results of the Charging group discussions. Much discussion had taken place but no conclusions on the way forward had yet been achieved. It was agreed that discussions should continue on this and agreement sought on a way forward. It was expected that a further report on this should be provided to the next TSG SA meeting for decision. A contribution was provided in TD SP-030784 which covered this point (see agenda item 8.10).

TD SP-030744 Liaison Statement (from GSMA SerG) to 3GPP TSG SA on Video Telephony new requirement. This was provided by GSMA SerG and requested that TSG SA allows the introduction of new requirement within Release 6 and possibly within earlier releases on video switching to voice coverage triggered since it was considered as highly strategic for the operator community. Other contributions were discussed with this LS and a related WID provided in TD SP-030788 (see agenda item 7.2.3).

TD SP-030727 Introduction to Draft WID on Video and Voice Service. This was introduced by Vodafone and asked TSG SA to agree the draft WID in TD SP-030728 and to request WGs to allocate time to this work as if it is a pre-release 5 feature which was then considered. TD SP-030728 was then considered (see TD SP-030777 under agenda item 7.2.3, final WID provided in TD SP-030788).

TD SP-030728 Draft WID on Video and Voice Service This was introduced by Vodafone and proposed a new WI on Video and Voice Service. Other contributions were provided and an off-line discussion was held to discuss the proposals. As a result of these discussions, TD SP-030728 was revised in TD SP-030777 and re-discussed under agenda item 7.2.3 (final WID provided in TD SP-030788).

5   Reports from TSG SA ad-hoc meetings and workshops

TD SP-030571 MMS Workshop Conclusions. This presentation was introduced by O2 and provided a summary of the MMS workshop conclusions.

Principle of move of MMS parts (B) to OMA:

Timing

- No touching Rel.6 / MMS 1.3 / X.S0016-C
- Start from baseline of Rel.6 / MMS 1.3 / X.S0016-C
- Ensure landing pad is operational before any move
- Approx timing 2Q 2004

Socialization

- Any input falling on the border of A and B should be communicated between the 3 Organizations
- Ownership of documentation
- OMA for (B), PPs for (A)

Phasing

1. (NOW) Work IPR, Copyright Issues
2. (NOW) Post Rel.6 / MMS 1.3 / X.S0016-C Requirements on parts (B) NOW to OMA
3. (At end Rel.6 /...) Invite new contributions (including maintenance CRs) to OMA MMSG on all specs for parts (B); Technical Work on parts (B) frozen in 3GPP/3GPP2, CRs on (B) specs owned by PPs sent to PPs for approval. Continues until Step 5 starts.
4. (Post initial input from activity (1)) Investigate specification structure mapping and Create Neutral Spec set for (B) owned by OMA
5. (After 4 and 1 are both completed) New specification material as baseline for (B)

The Workshop concluded that the output should be presented to the stakeholders and to invite OPs/OMA Board to work on IPR and Copyright Issues.

It was reported that TSG T were to discuss these results and it was thought that any decisions of TSG T should be considered by TSG SA in order to follow a similar approach.

The presentation was then noted.

PCG/OP Meetings: The TSG SA Chairman reported that it had been agreed to reference the work of other bodies more broadly in 3GPP specifications. The PCG meeting had focused mainly on the verification of the 2004 Budget. Delegates were reminded that MCC support will only be provided for 1 WG meeting between TSG Plenary meetings. Additional requirements would be considered on an urgency basis if budget was available on a case-by-case basis.

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

TD SP-030564 LS from ETSI TISPAN: Inquiry on Status of 3GPP Service Definition and Service Creation work. This was introduced by the TSG SA Chairman. ETSI TISPAN were seeking to better understand the state of service definition and service creation in 3GPP and asked 3GPP for a brief status overview and

future plans of the 3GPP IMS service set and the status of 3GPP service creation standardization. It was reported that TISPAN may use 3GPP IMS as a basis for IMS-like services in the fixed network. It was reported that SA WG1 had replied to this LS and delegates were invited to check this and provide a proposed response from TSG SA if this was not considered sufficient. The LS was then noted. A proposed response was provided by Nortel Networks in TD SP-030759 which was revised after off-line discussion in TD SP-030770. There was a request to include a "draft" Rel-6 timescale in the document. As no agreement on such a timescale could be reached this was not included. It was agreed that the third bullet should be modified to read "*How Does TISPAN plan to deal with new requirements to adapt IMS to their applications?*". The LS was updated in TD SP-030786 which was approved.

TD SP-030568 Liaison Statement (from OCG EMTEL) reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2. This was introduced by the SA WG2 Chairman and provided information on a Liaison exchange between OCG EMTEL and SA WG2.

It was stated that the use of SMS (including "Priority SMS") for emergency calls was not considered adequate for use as it is an inherently a store-and-forward service and therefore unreliable for guaranteed, urgent delivery to the emergency services.

The LS was then noted.

TD SP-030717 Candidates 3GPP specifications for inclusion in Art 17 list of standards. This was introduced by TSG SA Chairman.

The purpose of this document is to provide a common interpretation of the articles and therefore the requirements that have been defined within the specific Directives and the associated Commission Decisions and Recommendations that have been published in the Official Journal of the European Community. Whilst the present document also provides general guidance to show the rationale used to identify specific standards according to Article 17 (Directive 2002/21/EC) and the justifications given within the specific Directives. It should be noted that the interpretations have been taken from the viewpoint of the impact upon standardisation and do not replace any official interpretation issued by either Commission Services or COCOM. It is intended that the interpretations provided with the present document will be updated to reflect clarifications provided by Commission Services and the list of standards updated accordingly.

TSG SA concluded that this work was out of Scope for TSG SA as it requires the interpretation of the European Commission requirements into the specifications and . The TSG CN Chairman reported that there were some concerns from their discussions and depending on the TSG SA decision on handling.

It was reported that discussions had been held within ETSI, where it was considered that service roaming and IP services aspects also needed to be considered. For IP services, the mobile telecommunications could refer to the fixed specifications, but additional work may be needed for Emergency Call and RTT requirements.

It was agreed to write a reply explaining that this is out of the scope of 3GPP which was provided in TD SP-030749 which was reviewed and "Standardisation Group" modified to "Specification Group" for correctness of terminology for the 3GPP function and was revised in TD SP-030758 which was approved.

6.3   Others

TD SP-030608 LS (from GSMA-WLAN) to TSG SA, SA WG2 on GSM Association requirements for I-WLAN scenario 3. The GSMA recommended to SA WG2 that the architecture decision for I-WLAN scenario 3 are not completely finalised before the requirements coming from GSMA in the first quarter of 2004 are evaluated. It was agreed that SA WG2 should consider this LS and continue the I-WLAN work appropriately, with the understanding that the requirements from the GSMA on Scenario 3 will be provided early in 2004. The LS was then noted.

TD SP-030609 LS from GSMA: GSM Association requirements for I-WLAN scenario 3. This was introduced by the TSG SA Chairman and was provided to TSG SA for information. The LS was noted.

TD SP-030566 Reply LS (from OMA Requirements WG) to 3GPP on principles for overlapping issues with OMA regarding PoC. With reference to different Questions, the OMA Requirements WG asked:

On Q1:   3GPP were requested to provide additional information on its work on conferencing service and its applicability to PoC.

On Q2:   3GPP were requested to analyse its impact to underlining cellular and IP multimedia networks and to develop any necessary enhancements in Release 6 in order to support PoC implementation.

On Q3:   SA WG1 was requested to provide comments on the attached draft PoC RD by 12th of Nov.2003 for consideration in the final RD review within November. (A review of this was due to end on Thursday 18 December and comments were welcomed).

The SA WG2 Chairman reported that a liaison had been copied to TSG SA in TD SP-030666 and suggested that this was used as a basis for a response from TSG SA. It was agreed to do this and a response was provided in TD SP-030751 which was reviewed and revised in TD SP-030780. This was discussed and there was some concern that the input PoC RD had not been referred to. There were comments that the PoC RD did not provide the information required to determine the requirements on the cellular capabilities of the 3GPP system. The LS was revised again in TD SP-030787 and reviewed and approved.

TD SP-030569 LS from ITU-T Q.12/4: Removal of proposed amendments (level 3) to Rec. M.3100. This was introduced by TSG SA Chairman. The ITU-T SWP informed TSG SA that no contributions have been received for several meetings and the SWP has decided to remove these items at the next SG4 meeting (starting 26 April 2004) unless contributions are received or interest is expressed in the proposed amendments. Members were asked to consider the need for this work and contribute to ITU-T. The LS was then noted. SA WG5 were asked to consider this issue at their next meeting

TD SP-030570 LS from ITU-T Q.12/4: Structured probable cause. This was introduced by TSG SA Chairman. The LS was noted and SA WG5 were asked to consider this issue at their next meeting.

TD SP-030730 LS (from OMA-DM) on Automatic Detection. OMA DM WG asked 3GPP for support of Automatic Detection functionality and asked if it was intended for inclusion in any release in the same timeframe as the OMA Release, planned for July 2004. OMA DM WG also asked for a recommendation on which 3GPP working group they should continue the dialogue with. **SA WG1 and SA WG2 were asked to consider this and make any necessary information on their work in this area covering the requirements to OMA.** The LS was then noted by TSG SA.

TD SP-030748 LS from GSMA/IREG on 2G/3G subscriber distinction and roaming restriction. The GSMA/IREG requested 3GPP to define and include in its specifications the following features at its earliest convenience:

- *ability for a visited network (MSC and SGSN), to distinguish 2G and 3G subscribers and to apply roaming restriction depending on this; i.e. be able to prevent access of 2G subscribers with a 3G handset to its 3G coverage, whether the home network uses one or two PLMN codes for his 2G and 3G networks/subscribers. This solution shall also be extensible to other access technologies, e.g. WLAN;*
- *ability for a visited network to reject a registration request on his 3G coverage with the cause #15 depending on the accessed Location Area, the IMSI of the subscriber and his subscription type (2G or 3G).*

These solutions should have minimum impact on previous Releases.

It was clarified that the identification of Location Areas could imply large data on Visited networks being kept in the Home networks. There had been a suggestion in SA WG1 to use a "Location Group" system to reduce this overhead (e.g. "*Location area of 2G type*", "*Location Area of 3G type*", etc.). A CR had been provided by SA WG1in TD SP-030695 for approval, which would implement the requirements for this mechanism. The LS was then noted (see also the approval of the CR in TD SP-030695, under agenda item 7.1.3).

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-030684 Status report of SA1 to SA #22. This was provided for information as additional information to the presentation given in TD SP-030683 and was noted.

TD SP-030683 Presentation of SA1 to SA #22. This was introduced by the SA WG1 Chairman. Due to a problem with the PDF version of the presentation, it was re-provided in TD SP-030771 for information.

Questions and comments:

Slide 14: WLAN. The SA WG1 Chairman clarified that the WID for WLAN interworking had been modified and a TS may be provided instead of a TR to base CRs to existing TSs on. There was a revised WID for this in TD SP-030712. The Scenario Selection is still an open issue, whereas PLMN Selection issue resolution is proposed in a CR from SA WG1 to this meeting.

Slide 15: MBMS: The SA WG1 Chairman clarified that a LS had been received from SA WG3 to study the security Framework. SA WG1 need to have the issue clarified and this is the only remaining MBMS issue.

Slide 18: Emergency Call handling. The SA WG1 Chairman clarified when a UE makes an Emergency Call, a Domain selection algorithm needs to be defined, which at present is to try CS Domain first, and then the IMS Domain. There are issues with the different scenarios expected in networks, which needs further investigation and discussion in SA WG1.

Slide 9: OMA PoC: The SA WG1 Chairman clarified that SA WG1 felt that as work progresses in other architecture groups, the capabilities of the 3GPP system to fulfil the requirements needs to be re-checked. SA WG1 would like an expected requirements list from OMA in order to check the system capabilities. SA WG1 believed that the service was feasible under current requirement assumptions.

Slide 19: Requirements freeze. The list of items not frozen was questioned. The SA WG1 Chairman responded that the OMA work on PoC had been left unfrozen due to the late availability of the requirements, but the market interest in including PoC in Rel-6. SA WG1 believed that Emergency Call, MMS and MBMS were also required for Rel-6 and need more development. It was commented that the agreements made for this was listed in the approved Report of TSG SA meeting #21.

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

7.1.2   Questions for advice from TSG SA WG1

There were no specific contributions under this agenda item.

7.1.3   Approval of contributions from TSG SA WG1

TSs and TRs:

TD SP-030708: TS 22.246 on MBMS User Services for approval (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). A CR to 22.146 was provided in TD SP-030705 to align with this specification.

TD SP-030709: TR 22.952 on Priority Service guide for approval (Rel-6). It was noted that there was a reference to 08.08, which may need to be corrected to 48.008. This should be checked and be the subject of a CR if necessary. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030729 Priority Services. This was provided by Vodafone and proposed to add text to the Scope of the TR to state that the requirements apply to North American networks and further work is needed to make it applicable to other regions. It was commented that the 3GPP approach is to meet the Emergency Services Priority requirements with as little change to the system as necessary and using existing mechanisms, rather than to try to fully align with the Fixed Network solutions. **It was noted that there are problems identified**

in the approved TR 22.952 (TD SP-030729) and CRs were invited to this TR from Members to resolve the problems of "*9 times overload*", *access class control* and *interaction with packet services* identified in the contribution.

TD SP-030718: TR 22.949 on Study for generalised privacy for information (Rel-6). This TR was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG1.

CRs:

The TSG SA Chairman noted that some items were provided here for Release 6 and TSG SA need to agree whether or not a "placeholder" is opened in order top keep any valuable requirements for the future on any which were not feasible for inclusion in Rel-6. This placeholder would naturally be to include those proposed requirements that were agreed as desirable into **Release 7**. It was agreed to go through the CRs and decide on this on a case-by-case basis.

TD SP-030685: CRs to 22.038 on alignment with the specifications TS 11.14 and TS 31.111 (R99, Rel-4, Rel-5, Rel-6). These CRs were approved.

TD SP-030686: CRs to 22.115 on CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point (R99, Rel-4, Rel-5). It was noted that the cover table showed the Rel-99 CR 22.115 CR017 as Category **"B"** whereas it was a Category **"F"** as shown on the CR cover sheet. It was noted that the term "User Protocol" needed definition or clarification in the Vocabulary document. These CRs were approved.

TD SP-030701: CR to 22.115 on CS interconnection (Rel-6). This CR was approved.

TD SP-030687: CR to 22.101 on Clarification of emergency call requirements (Rel-6). The need for the UE to do an "attach" or "register" to the domain was questioned, as this is not defined in the CR. The SA WG1 Chairman responded that this was not considered a SA WG1 issue, but to de decided in other groups. It was acknowledged that this may need to be re-addressed in SA WG1 when the protocols are defined. This CR was approved.

TD SP-030689: CRs to 22.138 and 22.140 on MMS targeting UE elements and UICC interaction with MMS clients (Rel-6). It was clarified that the MMS management separation was intended to allow additional safeguards against accidental manipulation by the user (e.g. a verification of the intended ction could be made). It was noted that Java could be one of the applications implemented. It was necessary to revise 22.038 CR016 which was provided in TD SP-030772 (see below). A LS from TSG T in TD SP-030745, related to this, was then considered.

> TD SP-030745 LS (from TSG T) to SA, SA WG1, SA WG2, SA WG5, T WG2, T W3 and EP SCP on MMS as a Bearer for USAT. This was introduced by Motorola. TSG T endorsed the concept of non-chargeable delivery of data to and from the USAT where appropriate and asked TSG SA to take account of this position. TSG SA noted with the position of TSG T.

For 22.140 CR040, further elaboration was also considered necessary and a revised version was included in TD SP-030783 (see below). 22.140 CR039 was approved.

TD SP-030772 22.038 CR016R1: This CR was approved.

TD SP-030783 22.140 CR040R2: This CR was approved. It was noted that the revision number was missing from this CR cover sheet, and should read Rev 2.

TD SP-030688: CRs to 22.038 on Enabling Cell Broadcast Bearer for USAT application while connected to UTRAN networks (Rel-5, Rel-6). These CRs were approved.

TD SP-030690: CRs to 22.071 on Removal of misleading and obsolete text (Rel-5, Rel-6). It was noted that the Rel-6 CR was Category "A". These CRs were approved.

TD SP-030691: CR to 22.071 on Removal of change of area event (Rel-5). This CR was approved.

TD SP-030692: CRs to 22.078 on CLIR/CLIP interaction with CSE initiated calls (Rel-5, Rel-6). It was noted that any information provided for a CR should be included in the CR cover sheet and not as a comment

added in the unchanged text of the CR itself, for clarity of the actual changes made. These CRs were approved.

TD SP-030693: CRs to 22.078 on Allowing CSE to suppress terminating CAMEL handling on new leg in existing call (Rel-5, Rel-6). These CRs were approved.

TD SP-030694: CRs to 21.905 on various subjects (Rel-6). These CRs were approved.

TD SP-030695: CR to 22.011 on Administrative restriction of subscribers' access (Rel-6). It was noted that if the roamed-to network does not have the separation of GERAN and UTRAN Location updating then this could not be handled. This would be a subject to be included in roaming agreements between networks (i.e. there may be cases where the serving network does not separate the GERAN and UTRAN location updates in which case this administrative restriction would not be possible). Clarification of this was requested and a revision of the CR was provided in TD SP-030774 which was approved.

TD SP-030696: CRs to 22.038 on Interaction between ME and USAT applications and MMS as an additional data exchange capability for USAT (Rel-6). There was some discussion on clarification of the impact of this requirement and the need for this requirement for Rel-6 was questioned. There was some concern over the inclusion of this in Rel-6 due to the additional work needed for the Stage 2 and Stage 3 work. There was also some support for including this in Rel-6 and then ask for contribution on the Stage 2 and Stage 3 work to complete the work quickly. It was agreed that this would be accepted as a Release 7 CR for the moment and contribution was requested from interested members in the Stage 2 and Stage 3 work. The progress of the work would determine whether or not this could be moved into Rel-6. This CR was approved **as a Rel-7 CR**.

TD SP-030697: CRs to 22.071 on Various subjects (Rel-6). 22.071 CR060 was discussed. It was a Category "B" CR to Rel-6 on LCS, which is marked as complete in the Work Plan and would entail re-opening the WI in SA WG2. After some discussion on the justification for this in Rel-6 it was decided to reject the CR at this time and SA WG1 were asked to further develop this with Stage 2 and Stage 3 groups to determine the impacts and timescales for this new Feature. **It was clarified that new CR(s) on this would be received by TSG SA providing all the SA WG2 issues are provided at the same time, including any necessary CR(s) to Stage 2 TSs and TRs**. New CRs may be provided to TSG SA on this in the future. The need and feasibility of this in Rel-6 and previous Releases to fulfil any regulatory requirements should also be made. 22.071 CR063 and 22.071 CR064 were approved. Earlier Release CRs for 22.071 CR064 need investigation by CN WG4 and SA WG2 to determine the feasibly of inclusion in each Release. These CRs should be presented to the next TSG SA meeting for approval after the investigation is concluded.

TD SP-030698: CRs to 22.078 on Various subjects (Rel-6). It was noted that the Discussion text should not be added as part of the CR for clarity of the actual Changes proposed. These CRs were approved.

TD SP-030699: CR to 22.094 on Notification of forced erasure to initiating subscriber A (Rel-6). This CR was approved.

TD SP-030700: CRs to 22.101 on Automatic Device Detection and Correction of Core Network emergency call requirements (Rel-6). These CRs were approved.

TD SP-030702: CR to 22.127 on Removal of Visited Network capabilities (Rel-6). This CR was approved.

TD SP-030703: CR to 22.127 to Introduce High Availability requirement for OSA (Rel-6). The term "Geographical Redundancy" was questioned as it may not be appropriate for a SA WG1 specification. It was commented that this should be dealt with in CN WGs and is not appropriate for Rel-6. It was also commented that this is not really a matter for standardisation, but was an implementation issue. It was also commented that there is already a solution to this in Rel-6 and it was questioned whether another solution to the problem was required in the Rel-6 time-frame. It was agreed to discuss this off-line and return to the CR later in the meeting. The off-line discussion did not provide an agreed conclusion. No consensus could be reached in the meeting for either support or rejection of this CR so it was decided to send the issue to CN WG5 to determine the need for this functionality, or whether the functionality is already included in the specifications and feed back to TSG SA, copied to SA WG1 (via LS) to help towards a decision on this. The CR was therefore postponed.

TD SP-030704: CR to 22.129 on Service based handover/assignment (Rel-6). The consequences if not approved was clarified to mean that there would be no mechanism in the Stage 1 and the impact on Stage 2 and Stage 3 work would need to be investigated. Ericsson reported that they believed the functionality

already exists in the Stage 3 and could be accepted for Rel-6 without any impact on the protocols. This CR was approved.

TD SP-030706: CR to 22.228 on Multi terminal requirement (Rel-6). There was some confusion on the implications of this requirement, as each UE will have a USIM and can route traffic based on the USIM identity (e.g. IMSI). It was clarified that this was intended for multiple UEs with the same Public Identity. It was reported that there was an SA WG2 CR on this subject and work is ongoing in CN WGs. This CR was approved.

TD SP-030707: CRs to 22.240 on various subjects (Rel-6). These CRs were approved.

TD SP-030705: CR to 22.146 on Alignment of MBMS use cases and bit rates (Rel-6). This CR was approved.

The Following four CRs were provided and presented by Nokia:

TD SP-030720 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-99).

TD SP-030721 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-4).

TD SP-030722 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-5).

TD SP-030723 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-6).

There were some concerns about removing some common emergency numbers from the emergency number list (e.g. 999 is commonly used in the UK). The main problem that was intended to overcome was where an emergency number in one area may be a different service number in another and therefore the number of false/accidental emergency calls could be reduced.

There was an off-line discussion on the Emergency number issue and Nokia requested re-consideration of these CRs. The UK Operators had investigated and found that these changes should not provide and regulatory problems. If any issues are found then this may need to be reviewed in the future. In particular, the delegate for the DTI, stated that if problems did arise in the future the UK regulator might insist that all SIMs/USIMs in the UK contain "999" as a stored emergency number. This could require replacement of any existing SIM/USIM that did not comply with this requirement. The SA WG1 Chairman clarified that these CRs had not been discussed in SA WG1, but they were in line with Emergency number discussions held and agreements made in SA WG1. With these clarifications, the CRs were allocated CR numbers and re-provided in TD SP-030790 which was approved.

The Following four CRs were provided and presented by Orange:

TD SP-030738 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-99)

TD SP-030739 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-4)

TD SP-030740 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-5)

TD SP-030741 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-6)

It was considered that this issue needed careful investigation and discussion and Orange were asked to take this to SA WG1 in order to develop a complete and correct set of CRs for fallback to the telephony service.

TD SP-030777 Draft WID on Video and Voice Service. This was provided by Vodafone. O2 stated that this work should be done in SA WG1 rather than SA WG2 in order to establish the requirements before

proceeding with the Stage 2 architectural work. The WID was proposed for Rel-6 and timescales were very short for completion in time for this and parallel work in SA WG2 and SA WG1 was therefore suggested. It was agreed to provide a new WID with SA WG1 as prime responsibility in TD SP-030781. The WI leadership was incorrect and should have been SA WG1, rather than SA WG2. Other editorial changes were made and the WID was updated in TD S3-030788 and was approved.

WIDs:

TD SP-030710: Update of Rel 6 OSA WID. This WI description was approved.

TD SP-030711: Update of GUP WID. This WI description was approved.

TD SP-030712: Update of WLAN WID. It was proposed that this should be split into Release 6 and future Release Features. There was some support for this, but as it was a Release Independent Item, it was agreed to accept the WID as it is and consider a split in the future when Rel-6 is complete. This WI description was then approved.

Other inputs:

TD SP-030766 LS (from 3GPP2 TSG-C) to SA WG1: Preferred Roaming List for Multi-mode Terminal.

Interim position discussion: In principle, a full package of CRs to frozen releases should be available before introducing any changes into the specifications and agreed changes should be approved and implemented together.

7.2   TSG SA WG2

7.2.1   Report from TSG SA WG2 and review of progress

TD SP-030731 SA WG2 Report at TSG SA #22. This was introduced by the SA WG2 Chairman.

Questions and comments:

Slide 20: It was clarified that the IMS Commonality was intended to help ensure that 3GPP and 3GPP2 systems can re-use each others specification work.

Slide 16: The intention of sending of the network identity was triggered by the GSMA because they wished the ability for MMS Charging to be dependent on the location of the Visited Network. Therefore the VGSN identity would be needed. There were concerns over the Location Privacy when specifying this. The SA WG2 Chairman clarified that this information had already been coded in CN specifications and did not open any new Privacy issues.

Slide 18: Push Services Stage 2 discussions. The SA WG2 Chairman reported that the changes to Stage 2 that are necessary would depend on the conclusions drawn from the discussions. It was hoped that this would not require significant work for the Stage 3.

Slide 22: WLAN. It was Clarified that the SA WG2 "requirements" were on architectural implementation using the existing architecture, rather than providing new architectural requirements or service requirements.

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

7.2.2   Questions for advice from TSG SA WG2

TD SP-030668: LS from SA WG2: Further development of TR 23.825, IP Flow Based Charging. This was introduced by SA WG2 Chairman. SA WG2 asked TSG SA to endorse the recommendation from SA WG2 to allocate a TS to capture the overall high level functionality and architecture impacts of Flow Based Charging and to allocate the task under SA WG2 responsibility. SA WG2 would then update the corresponding WID accordingly. It was reported that SA WG5 were also addressed on this LS, but SA WG5 had not yet discussed it. The SA WG5 Chairman stated that if the Scope of the TS was limited to the capture the overall high level functionality and architecture impacts of Flow Based Charging, then there would probably be no objection to this from the SA WG5 viewpoint. **TSG SA agreed to allocate a TS to this work**

and SA WG2 were asked to update the WID appropriately and to keep SA WG5 informed of their work.

TD SP-030567 Reply LS (from SA WG2) to Response on "Work following the joint SA2/RAN2/CN1 meeting on paging". This was provided to TSG SA for information and was noted.

TD SP-030763 Early UE handling. This was introduced by Vodafone and requested that SA:

a)   Considers the merit of sending UESBI-Iu on the A interface, and to reach a conclusion on the issue.
b)   Identifies the relevant TSGs that should be involved in detailed technical study of the implications, and give them sufficient guidance in order to enable robust changes to the specifications impacted by it.

It was agreed that TSG GERAN should be asked to check that early UE 2G to 3G handover can be done gracefully using, e.g. the UESBI-Iu. The TSG GERAN Chairman agreed to take this request to TSG GERAN.

TD SP-030665: LS (from SA WG2) on updates of the Work Plan. It was noted that this had been discussed in other TSGs and had been included in the Work Plan to be considered at this meeting. The LS was then noted.

TD SP-030667 LS from SA WG2: Pending Decision on A Interface Functionality for Early UE handling. This was covered by other discussions and was noted.

7.2.3   Approval of contributions from TSG SA WG2

TSs and TRs:

TD SP-030663: TR 23.877 v.1.0.0: Speech Enabled Services. This TR was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG2.

TD SP-030713: TR 23.977 v1.0.0: Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS). This TR was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG2.

TD SP-030664: LS (from SA WG2) to TSG SA on further proceeding on approval of TS 23.234 on 3GPP-WLAN Interworking. This was introduced by the SA WG2 Chairman. TSG SA had asked SA WG2 to review the tunnelling issues for TS 23.234 and provide an updated draft for approval at this meeting. SA WG2 received a LS from the GSMA WLAN TF informing SA WG2 that they intend to provide requirements for 3GPP-WLAN Interworking for scenario 3 on operational aspects of mobile operators. The GSMA WLAN TF asked SA WG2 to consider these requirements before the final decision on the architecture for scenario 3 is taken.

At the SA WG2 meeting #36, the majority of the companies felt that TS 23.234 is now ready for approval, but some companies felt that the input announced by GSMA WLAN TF should be looked at before asking for final approval of the TS. SA WG2 asked TSG SA to consider this and to make a decision on the approval of the TS at this time, or to wait until the requirements from GSMA WLAN TF are available.

The current draft TS 23.234 was also provided as an attachment and the TS presentation document was introduced by the SA WG2 Chairman, which provided the status of the current draft and background information on the study undertaken by SA WG2 as requested by TSG SA.

It was noted that section 7 (Procedures) contained an editors' note for a number of procedures that were still for further study by SA WG2. The SA WG2 Chairman reported that the open issues on services supported over WLAN may require substantial work, depending on the service, other open issues were only finalisation of the work and did not entail a large number of changes.

It was commented that although the GSMA have said they will provide input to SA WG2, the work should not be held up awaiting this. It was not considered that potential new requirements coming from GSMA would by itself be a reason to delay the approval of the WLAN TS.

It was recognised that changes made due to new requirements for scenario 3 may impact work already done by other groups using the current content of the TS.

After some discussion, TSG SA considered that the draft TS was not yet stable enough to be placed under change control.

SA WG2 were asked to consider any input from GSMA and work on the open issues in order to provide the draft for approval at TSG SA meeting #23.

CRs:

TD SP-030652: CR On 23.002 (Network Architecture). This CR was approved.

TD SP-030653: CRs On 23.060 (GPRS/PS domain stage 2). These CRs were approved (note that 23.060 CR468 and CR 474 should be recorded as Category "A" CRs.

TD SP-030654: CRs On 23.107 (QoS). These CRs were approved. The SA WG2 Chairman asked whether the Rel-6 CR could be delayed for implementation until the Rel-6 TS is created, however, it was agreed that the Rel-6 CR would be implemented immediately, creating the Rel-6 version of the TS in order to allow further CRs to be made to the affected sections if necessary.

TD SP-030655: CR On 23.195 (Early UE handling). This CR was approved.

TD SP-030656: CRs On 23.207 (End to end QoS). These CRs were approved.

TD SP-030658: CRs On 23.228 (IMS Stage 2). It was commented that a reference to 24.229 should be included in CRs 367 and 362 CR 367 was revised to include the impacted specification, and CR 362 was revised to remove the words "or Home database". These revised CRs were provided in TD SP-030778 (see below). The remaining CRs in this package were approved.

TD SP-030778 Revised CRs 362, 367 to 23.228 (from TD SP-030658). These revised CRs were approved.

TD SP-030659: CRs On 23.240 (GUP stage 2). It was commented that CR 371R2 is in contradiction with the CR 066 in TD SP-030656 where the CR has the capability to support other mechanisms was informative ("may"). It was clarified that this CR provides the mandatory mechanism, and therefore the "shall" was correct. These CRs were approved.

TD SP-030660: CRs On 23.246 (MBMS stage 2). These CRs were approved.

TD SP-030757: CRs On 23.271 (LCS stage 2). The SA WG2 Chairman explained that the combined CRs were created from a combination of agreed SA WG2 CRs which had been found to have overlapping changes which may have resulted in ambiguous implementations. The CRs were reviewed and combined to provide a clear set of changes for approval. CR186 was in contradiction with RAN specifications and considered to need further review by SA WG2 and was not approved at this time. SA WG2 were asked to review this CR and revise it if necessary. The remaining CRs, without the CRs for information, were re-provided in TD SP-030779, which were approved.

TD SP-030669: LS (from SA WG2) on Serving network identity from SGSN to GGSN. This was introduced by SA WG2 Chairman. SA WG2 could not agree on the merits of providing change earlier than Release 5. The pre-Rel-5 CRs were therefore provided to the TSG SA as attachments to this LS so that TSG SA can decide whether to include the changes for these earlier versions of 23.060 and 03.60. It was clarified that the functionality already exists to implement this and the request would be to mandate this in Stage 2 so that all networks behave in the same way. No agreement could be reached to approve the attached CRs and they were rejected.

WIDs:

TD SP-030662: Updated WID on "Bandwidth and Resource savings and Speech enhancements for CS networks". This WI description was approved.

7.3   TSG SA WG3

7.3.1   Report from TSG SA WG3 and review of progress

TD SP-030580 Status Report of SA WG3 activities. This was introduced by the SA WG3 Vice Chairman, Mr. P. Howard.

TD SP-030581 Reports of SA WG3 meetings since TSG SA #21. This was provided for information and was noted.

Questions and comments:

Slide 20, 21: GAA. It was clarified that the use of the term "building blocks" in the slides was figurative for the GAA work, rather than BBs in the 3GPP Work Plan. SA WG3 were asked to verify the Work Plan structure for this work at their next SA WG3 meeting.

Slide 30: FS on USIM re-use. It was clarified that the second bullet intended to read "The TR", rather than "The TS".

Slide 24: GAA/HTTPS. It was clarified that the SA WG3 were working on the investigation of which TLS variant to use, while following industry standards for securing HTTP, under the working assumption that HTTP will be used.

Slide 30: FS on USIM re-use. It was questioned whether any Rel-6 specifications were intended to result from this FS. It was reported that this would depend on the stability of the other Rel-6 specifications and agreements reached for inclusion of the work in Rel-6, depending on the final Rel-6 timescales decided upon by 3GPP.

Slide 27: MBMS Security. It was clarified that the use of the UICC-based solution had been discussed in SA WG3 and a UICC-based solution could offer a higher security and low impact on network resources, some companies thought that there was some risk in meeting the Rel-6 timescale if it was restricted to a UICC-only based solution. This position may be reviewed if the assumption of completing the MBMS specification work for March 2004 was found to be unnecessary and a later completion date was agreed upon in 3GPP. Several operators expressed a preference for the UICC-based only solution. The TSG SA Chairman asked whether any operators would reject the UICC-only proposal on the grounds that a next-generation UICC is required and ~~there was no objection indicated~~ T-Mobile indicated that they **would** object. It was commented that the Options for implementation should be kept to a minimum for ease of implementation and interoperability. It was discussed and generally agreed that SA WG3 were the correct place for a discussion on an acceptable security solution and companies were asked to contribute to SA WG3 on this in order to include an agreed solution in the finalised TS on MBMS Security. **Members were asked to contribute to SA WG3 on this and TSG SA requested that SA WG3 also consider their request that the final solution should not include any options**.

Slide 6: Next SA WG3 meetings: The TSG SA Chairman noted that there were 2 meetings planned in October and November 2004 (between two TSG SA Plenaries). It was assumed that generally it is the second on the meeting pair that MCC Support would be expected / guaranteed.

The SA WG3 Vice Chairman was thanked for his report, which was then 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-030582 Draft TR 33.919 version 1.0.0: Generic Authentication Architecture (GAA); System Description (Rel-6). This TR was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030583 Draft TS 33.220 version 1.0.0: Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030584 Draft TS 33.221 version 1.0.0: Generic Authentication Architecture (GAA); Support for Subscriber Certificates (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030585 Draft TS 33.234 version 1.0.0: Wireless Local Area Network (WLAN) Interworking Security (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030586 Draft TS 33.246 version 1.0.0: Security of Multimedia Broadcast/Multicast Service (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3. it was also noted that the conclusion of the earlier discussion on Key storage was to ask SA WG3 to provide a solution without options for MBMS Key storage.

TD SP-030587 Draft TS 33.310 version 1.0.0: Network Domain Security; Authentication Framework (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030588 Draft TR 33.817 version 1.0.0: Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces (Rel-6). This TR was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

TD SP-030719 Draft TS 33.141 version 1.0.0: Presence Service; Security (Rel-6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG3.

CRs:

TD SP-030589 CR to 33.106: Correction to lawful interception references (Rel-6). This CR was approved.

TD SP-030590 CR to 33.107 MSISDN/IMEI clarification for GPRS interception (Rel-6). This CR was approved.

TD SP-030591 CRs to 33.107 and 33.108: Reporting TEL URL (Rel-6). These CRs were approved.

TD SP-030592 CRs to 33.108: Correction to Annex G on TCP based transport (Rel-5 / Rel-6). These CRs were approved.

TD SP-030593 CR to 33.108: LI Reporting of Dialled Digits (Rel-6). Clarification on the meaning of "Digits entered by the interception subject" was requested, as this could be entered by an autodial feature. It was clarified that this was intended to report all digits transmitted by the intercept subject. This CR was approved. SA WG3 LI Group were asked to consider clarification to the meaning of "Dialled Digits" in this context.

TD SP-030594 CRs to 33.108: CS Section for 33.108 – LI Management Operation and User data packet transfer (Rel-6). These CRs were approved.

TD SP-030595 CR to 33.108 Alignment of Lawful Interception identifiers length to ETSI TS 101 671 (Rel-6). This CR was approved.

TD SP-030596 CRs to 33.203: Correcting the text on sending an authentication response (Rel-5 / Rel-6). These CRs were approved.

TD SP-030597 CRs to 33.203: SA procedures (Rel-5 / Rel-6). These CRs were approved.

TD SP-030598 CRs to 33.203: SA parameters and management (Rel-5 / Rel-6). These CRs were approved.

TD SP-030599 CRs to 33.203: Reject or discard of messages (Rel-5 / Rel-6). These CRs were approved.

TD SP-030600 CRs to 33.203: Correcting the SA handling procedures (Rel-5 / Rel-6). These CRs were approved.

TD SP-030601 CR to 33.203: Terminology alignment (Rel-6). This CR was approved.

TD SP-030602 CR to 33.203: Introducing the SIP Privacy mechanism in Stage 2 specifications (Rel-5). It was noted that there is no mirror CR for Rel-6 as some enhancement to this mechanism is expected for Rel-6. It was also noted that this was an alignment with the Rel-5 Stage 3 and no impact was expected on the Stage 3 specifications. This CR was updated editorially in TD SP-030764 which was approved.

TD SP-030603 CR to 33.203: Removing anti-replay requirement from Confidentiality clause (Rel-6). This CR was approved.

TD SP-030604 CRs to 33.203: Ensuring the correct RAND is used in synchronization failures (Rel-5 / Rel-6). These CRs were approved.

TD SP-030605 CRs to 33.203: Network behaviour when a new REGISTER is challenged during an on going authentication (Rel-5 / Rel-6). These CRs were approved.

TD SP-030606 CR to 55.205: Correction of reference (Rel-6). This CR was approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-030671 SA WG4 Status Report at TSG SA#22. This was introduced by the SA WG4 Chairman using the presentation slides provided in the Annex to the report.

Questions and comments:

Slide 14: PSS/MMS Video Codecs. A concern from **3** was expressed on the MPEG-4 AVC candidate (H.264) as MPEG do not comply with 3GPP IPR rules. **3** proposed that the status of such a selection for a Video Codec should be seriously considered by 3GPP. In summary, **3** requested the ability to choose from a list of Codecs for an application and not be mandated to use only the H.264 Codec. The TSG SA Chairman clarified that this was intended for the selection of the "Default" Video Codec and did not exclude the use of other Video Codecs **(SA WG4 were tasked to investigate whether signalling capabilities would be needed to allow the setting-up of connections with other Codecs than the chosen "Default" Video Codec**).

Slide 16: PSS/MMS Audio Codecs. O2 asked whether it would be better to use the same Codecs for different applications to reduce implementation costs. The SA WG4 Chairman replied that it was a goal to have as few Codecs as possible, and this would be considered during the selection discussions, but the performance was also a consideration for selection. It was clarified that both high and lower bit-rate Codecs would have a range of operation, to take into account the type of service they are to be applied to (multi-rate Codecs).

Slide 26: Optimisation of Voice over IMS. It was asked if this was also applicable to PoC. The SA WG1 Chairman responded that this was still under discussion.

It was also suggested that RAN WGs are provided with information on the characterisation and radio interface assumptions for the Voice over IMS work. It was clarified that SA WG4 had only recently started this work and information would be provided when developed. TSG SA noted that RAN WGs are working on Optimisation of Voice on IMS and that SA WG4 should provide information when it is available.

It was reported that SA WG4 meeting #29 had considered favorably a request from France Telecom R&D to use 3GPP subjective scores from earlier AMR testing. These will be used to improve the ITU-T Recommendation G.107 (E-Model). **This initiative was welcomed by TSG SA Plenary**.

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

7.4.2 Questions for advice from TSG SA WG4

There were no specific contributions under this agenda item.

7.4.3   Approval of contributions from TSG SA WG4

TSs and TRs:

TD SP-030672 3GPP TS 26.244: "Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)", Version 1.0.0 (Release 6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG4.

TD SP-030673 3GPP TS 26.246: "Transparent end-to-end packet switched streaming service (PSS);3GPP SMIL Language Profile", Version 1.0.0 (Release 6). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG4.

CRs:

TD SP-030681 26.104 CR029 rev 1: "Correction on the implementation of the interface of decoder.c (Rel-5)". This CR was approved.

TD SP-030682 26.104 CR030 rev 1: "Correction on the default behaviour of the unix makefile (Rel-6)". This CR was approved.

WIDs:

TD SP-030674 Updated Work Item Description on Definition of MBMS user services, media Codecs, formats and transport/application protocols using Multimedia Broadcast/Multicast Service (MBMS) (Rel-6). This updated WI description was approved. The SA WG4 Chairman reported that input was expected at their February 2004 meeting in order to approve the final work in the March 2004 TSG SA meeting. This was considered a challenging timescale by SA WG4.

Other documents:

TD SP-030675 PSS/MMS Audio Codec and Extended AMR-WB, Selection Rules Version 2.0. These selection rules were approved. The SA WG4 Chairman clarified that part of the selection criteria discussions would take into account the advantages of re-use of Codecs.

TD SP-030676 3G PS conversation tests (AMR NB and AMR WB): Report from FT R&D for Host Lab and Subjective Testing Lab functions. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were approved.

TD SP-030677 3G PS conversation tests (AMR NB and AMR WB): Report from NTT-AT for Subjective Testing Lab function. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were approved.

TD SP-030678 3G PS conversation tests (AMR NB and AMR WB): Report from ARCON for Subjective Testing Lab function. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were approved.

> NOTE: The SA WG4 Chairman clarified that the above three sets of conversion test results would be used to complete the TR on testing results for use in the evaluation. The TR was expected to be completed for approval by TSG SA by June 2004. It was uncertain whether the Phase 1 results could be provided in time for the March 2004 TSG SA meeting, but it may be possible to send some preliminary results to other WGs after the SA WG4 February 2004 meeting.

TD SP-030679 Test plan for 3G packet switched conversation tests - Phase 2: Comparison of quality offered by different speech coders. The SA WG4 Chairman reported that SA WG4 had approved this test plan and it was then approved by TSG SA.

TD SP-030680 Test plan for 3G packet switched conversation tests: Global Analysis of Phase 1 & Phase 2 Conversation Test results. The SA WG4 Chairman reported that SA WG4 had approved this test plan and it was then approved by TSG SA.

7.5　TSG SA WG5

7.5.1　Report from TSG SA WG5 and review of progress

TD SP-030610 Status report of SA5 to SA #21. This was introduced by the SA WG5 Chairman.

Questions and comments:

Slide 17: 3GPP/IETF Co-ordination Issues. The TSG CN Chairman reported that the coordination with the IETF needs to be actively managed by the WGs and not to rely upon the dependencies list that he produces, as it is difficult to keep up-to-date with all the related activities in the IETF on an ongoing basis.

Slide 9: ITU-T SG4. With reference to Disaster Relief work, the SA WG5 Chairman reported that the ITU-T SG4 Chairman was a regular SA WG5 member and the document had been contributed by him and studied by SA WG5, who were aware of the work and considering the impacts.

Slide 17: The SA WG5 Chairman clarified that the IETF work on DIAMETER for credit control needs to be analysed for suitability by SA WG5 and then a decision on the specification and mechanisms to be adopted will be made by SA WG5. It was estimated that this should be finalised in the IETF by June 2004 and SA WG5 would be able to complete some time after this date.

Slide 11: Target date for subscription management. It was reported that although target is June 2004, which may be dependent on GUP stage 3, The T WG2-SWG2 Chairman reported that GUP stage 3 is expected to be ready in March 2004. it was expected to be ready before this date. Fir For device management, the OMA had started some activity and SA WG5 may do some work on this if necessary in the future.

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

7.5.2　Questions for advice from TSG SA WG5

Three LSs were provided to TSG SA for information, which were considered together:

> TD SP-030563 LS Reply (from SA WG5) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

> TD SP-030572 Reply LS (from RAN WG3) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

> TD SP-030573 LS (from SA WG5) on Reply LS on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

The SA WG5 Chairman reported that the main item under discussion is whether a new NE is required or whether an existing NE could be used (e.g. Node B). The impact on the work of SA WG5 and other WGs would depend upon whether a new NE is required. TSG SA noted that discussion was ongoing in SA WG5 3 and the three LSs were then noted.

7.5.3　Approval of contributions from TSG SA WG5

TSs and TRs:

TD SP-030613: New Rel-6 TS 32.150 (Integration Reference Point (IRP) Concept and Definitions). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030614: New Rel-6 TS 32.151 (IRP Information Service Template). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030615: New Rel-6 TS 32.152 (IRP IS UML Repertoire). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030616: New Rel-6 TS 32.171 (SM NRM IRP: Requirements). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030617: New Rel-6 TS 32.172 (SM NRM IRP: Information Service). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030623: New Rel-6 TS 32.240 (Charging architecture and principles). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030624: New Rel-6 TS 32.250 (Circuit Switched domain charging). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030632: New Rel-6 TS 32.351 (Communication Surveillance IRP: Requirements). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030633: New Rel-6 TS 32.352 (Communication Surveillance IRP: Information Service). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030634: New Rel-6 TS 32.361 (Entry Point IRP: Requirements). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030635: New Rel-6 TS 32.362 (Entry Point IRP: Information Service). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030636: New Rel-6 TS 32.363 (Entry 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-030637: New Rel-6 TS 32.342 (File Transfer IRP: Information Service). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030638: New Rel-6 TS 32.331 (Notification Log IRP: Requirements). This TS was provided for information and was noted. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030650: New Rel-6 TS 32.412 (Performance Management IRP: Information Service). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

CRs:

TD SP-030756: 2 Rel-5/6 CR 32.102 (Telecommunication management; Architecture): Removal / Replacement of the term UMTS. These CRs were approved.

TD SP-030612: Rel-6 CR 32.421 (Trace concepts and requirements): Correction of IMS subscriber id for Trace. This CR was approved.

TD SP-030618: 3 Rel-99/4/5 CR 32.015/32.215 (Charging data description for the PS domain): Correction of Data Record Format Version. These CRs were approved.

TD SP-030765: 2 Rel-4/5 CR 32.205 (Charging data description for the CS domain): Correction on inter-network accounting. These CRs were approved.

TD SP-030726 Proposed CR to 32.005: Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007) (Rel-99). This was provided by T-Mobile in order to align the changes agreed in TD SP-030765 above for Rel-99. This CR was approved.

TD SP-030620: 2 Rel-5 CR 32.205/32.215 (Charging data description for the CS/PS domains): Correction to Level of CAMEL Service. These CRs were approved.

TD SP-030621: ~~Rel-5 CR 32.215 Charging data description for the PS domain): Correction on QoS Information.~~Rel-5 CR 32.215 (Charging data description for the Packet Switched (PS) domain): Correction on QoS Information (only if CN#22 approved CN4 CR 24.008) It was noted that this CR was dependent upon a CR to 29.060, not ~~to 24.008~~ as indicated on the presentation cover sheet. The TSG CN Chairman confirmed that the corresponding CR to 29.060 had been approved. This CR ~~(to 29.060)~~ was approved.

TD SP-030622: 3 Rel-5 CR 32.225 (Charging data description for IMS): Various Corrections. These CRs were approved.

TD SP-030625: Rel-99 CR 32.106-6 (Basic Configuration Management IRP: CORBA Solution Set): Correction to remove characters causing IDL Compilation error. This CR was approved.

TD SP-030626: Rel-5 CR 32.111-3 (Fault Management; Alarm IRP: CORBA Solution Set): Missing IDL definitions to support Security Alarms. This CR was approved.

TD SP-030627: 2 Rel-5 CR 32.111-4 (Fault Management; Alarm IRP: CMIP Solution Set): Additions of notification notifyAlarmAlignmentEnd / missing parts for the support of security alarms. These CRs were approved.

TD SP-030628: 2 Rel-6 CR 32.111-2/3 (Fault Management; Alarm IRP: Information Service / CORBA Solution Set): Remove references to GSM 12.11. These CRs were approved.

TD SP-030629: 3 Rel-6 CR 32.111-2/3/4 (Fault Management; Alarm IRP: Information Service / CORBA/CMIP Solution Sets): RemoveAlignment of the operation getAlarmList with the notification notifyAlarmListRebuilt. These CRs were approved.

TD SP-030630: 6 Rel-4/5/6 CR 32.602/612/662 (Basic/Bulk/Kernel Configuration Management IRP: Information service): Correction of System Context. These CRs were approved.

TD SP-030631: Rel-6 CR 32.111-1 (Fault Management: Requirements): Retrieval of alarm history information. This CR was approved.

TD SP-030639: 2 Rel-4/5 CR 32.311 (Generic IRP management; Requirements): Correction of Scope, Foreword and definitions. These CRs were approved.

TD SP-030640: 2 Rel-4/5 CR 32.312 (Generic IRP management; Information Service): Corrections and clarifications – alignment with 32.102 and 32.311. These CRs were approved.

TD SP-030641: 2 Rel-5 CR 32.642/652 (UTRAN/ GERAN network resources IRP NRM): Add missing notification notifyPotentialFaultyAlarmList. These CRs were approved.

TD SP-030642: 4 Rel-5 CR 32.624/34/44/54 (CM; Generic/Core/UTRAN/GERAN network resources IRP: CMIP Solution Sets): Remove notifications from MOC managedFunction to align with IS. These CRs were approved.

TD SP-030643: 4 Rel-5 CR 32.622/32/42/52 (CM; Generic/Core/UTRAN/GERAN network resources IRP: Network Resource Model): Add Missing / Remove Redundant VsDataContainer. These CRs were approved.

TD SP-030644: Rel-5 CR 32.622 (CM; Generic network resources IRP: Network Resource Model): UML diagram and other corrections. This CR was approved.

TD SP-030646: 10 Rel-4/5 CR 32.642/3/4/5, 32.655, 32.615 (UTRAN/GERAN network resources IRP, Bulk CM IRP): Increase possible number of URAs from 1 to 8. These CRs were approved.

TD SP-030648: 3 Rel-6 CR 32.622/23/25 (CM; Generic network resources IRP: NRM/ CORBA SS/ Bulk CM XML file format definition): Add SetofMcc in SubNetwork. These CRs were approved.

TD SP-030715: 2 Rel-4/2 CR 32.642 (UTRAN network resources IRP: NRM): Correction in attribute – Alignment with RAN3 25.433. These CRs were approved.

TD SP-030645: 2 Rel-5/6 CR 32.403 (PM; Performance measurements - UMTS and combined UMTS/GSM): Correction of terms used for subcounter definitions. These CRs were approved.

TD SP-030755: Rel-6 CR 32.401 (Performance Management; Concept and requirements): Requirements for measurement job overload management. This CR was approved.

TD SP-030649: Rel-6 CR 32.411 (Performance Management IRP: Requirements): PM IRP Compliance. This CR was approved.

7.6   Review of TSG SA work programme

There were no specific contributions under this agenda item. The work programme was reviewed as part of agenda item 8.6.

7.7   Letters to other groups

There were no specific contributions under this agenda item. A list of Liaison Statements approved by TSG SA is provided under agenda item 8.5.

7.8   Other issues

TD SP-030743 Considerations about supporting ME solution for key management in Rel-6. This was introduced by TIM on behalf of TIM and Orange and proposed:

-      to consider the Analysis from an Operator perspective;
-      to avoid the introduction of a (possibly harmful) new option in the 3GPP specifications;
-      to propose SA WG3 to revise the decision on the MBMS Key (re)distribution mechanism, allowing only the UICC-based solution.

SA WG3 had been asked during their report to TSG SA to re-consider the MBMS Key management issue and to try to provide a single solution to TSG SA (i.e. not to have options for the mechanism). The request from TIM and Orange was therefore covered by this and should be further discussed in SA WG3.

TD SP-030766 LS (from 3GPP2 TSG-C) to SA WG1: Preferred Roaming List for Multi-mode Terminal. It was noted that discussions are to be held in SA WG1 and a response should be generated by SA WG1. It was noted that the document mentions CDMA, without specifying which CDMA. It was assumed that refers to the system specified by 3GPP2.

SA WG1 were asked to copy their response to RAN WG2 GERAN WG1 and CN WG1.

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-030733 Draft meeting report from CN#22. This was provided by the TSG CN Secretary for information and was noted.

TD SP-030732 TSG CN Chairman's report to SA#22 (presentation slides). The Status report from TSG CN meeting #22 was presented by the TSG CN Chairman.

Rel-4 or Earlier Status Overview:

-      BS30 Inter-network Accounting Solution Approved (R99 and later):
  -      Use of ISUP Access Transport parameter.
  -      No interest in actively progressing long term solution (ITU modifications).
-      Continued cleanup of IMS, CAMEL4, SCUDIF, etc.
-      Agreement with GSMA on use of .3gppnetwork.org TLD:
  -      .3gppnetwork.org used for synthesizing IMS identity if no ISIM.
  -      .gprs continues to be used for legacy services.
  -      GSMA will take ownership of .3gppnetwork.org domain.
  -      CN1 & CN4 coordinate with GSMA IREG on further usages of .3gppnetwork.org.
  -      Structure of .3gppnetwork.org subdomains documented in 23.003 only.

Release 6 (New or Revised Items):

-      New: Full CAMEL4 prepay support for SCUDIF (NP-030584):
  -      Completion planned March 04.
-      Revised: Subscriber Certificates Stage 3 (NP-030511):

-       - Cleanup of relationship with GAA.
- Revised: IP & PS Emergency Calls Stage 3 (NP-030488):
  - Completion slipped to June 04.
- OSA Stage 3 (NP-030558):
  - Subtask cleanup (release 5 carryover).
  - Completion slipped to June 04.
- WLAN Stage 3 (NP-030490):
  - Added network selection.
  - Completion slipped to June 04.
- Completed: Interoperability and commonality between IMS using different IP connectivity networks (IMSCOOP) (some minor cleanup expected).
- Completed: Enhanced Dialled Services CRs for Alignment with SA3 on IMS security.
- OSA GUP work awaiting input from SA WG1 and SA WG2.
- No OSA work anticipated for Ut interface (diagram in 23.002).
- No CN work anticipated for SRES and AMR WB+.

TSG CN Questions and Guidance requested from TSG SA:

1)   Provisioning of Cell ID to meet US regulatory requirement:
   - a)   TSG CN approved CR to Rel-6.
   - b)   Does not meet T1P1 requirement for "Release independence".
   - c)   CN WG4 prepared to generate "reverse mirror CRs" back to R97 if necessary.
   - d)   Request consistent handling of this issue across SA WG1, SA WG2, and CN WGs.
2)   Handling of STF 254 proposed list of article 17 specifications:
   - a)   TSG CN had proposed to facilitate non-3GPP discussion on e-mail list.
   - b)   TSG CN will respect TSG SA guidance and not provide feedback.

Questions and Comments:

Slide 7: The input awaited from SA WG1 and SA WG2 on OSA GUP was for the stabilisation of the Stage 1 and Stage 2 work on GUP.

Slide 5: It was clarified that the .3gppnetwork.org TLD does not need endorsement from the PCG. .gprs is already adopted for GPRS.

Slide 6: WLAN Stage 3: It was clarified that the scope of the work will depend upon the Stage 2 work, CN WG2 and CN WG4 have been concentrating so far on Scenario 2. It was commented that CN WGs should proceed with Scenario 3 in order to reduce the risk of slippage. The TSG CN Chairman agreed that this was a reasonable expectation.

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

TD SP-030734 IETF status report. This was introduced by the TSG CN Chairman and reported the status of the IETF drafts that 3GPP have dependencies on as follows:

- One Rel-5 SIP draft still not completed (3pcc). This is a minor dependency and could be removed if necessary.
- Various document splits and restructuring of documents as work matures has caused some old dependencies to be dropped. Additional potential dependencies added related to IPv4 / IPv6 interworking, transcoding, AMR-WB+ transport etc. Total Rel-6 dependencies now at 82.
- Highest risk areas are:
  - AAA (Diameter Credit Control, Diameter Multimedia Application);
  - EAP (WLAN Network Discovery and Selection);
  - SIMPLE/SIP/SIPPING/XCON (Filtering, Conference Control, Presence Publication, Whispering, Emergency Calls).
- Most IETF drafts on target for August 2004 timeline.
- IETF investigating changes to their working procedures to improve efficiency.
- IANA allocations are very slow.

handling of RFCs in old releases where new RFCs are now available: It was agreed that replacement of RFCs on frozen releases should be done on a case-by-case basis where account is taken on the impact (if any) to the functionality to the 3GPP specifications.

The report was then noted and the TSG CN Chairman was thanked for this ongoing task.

TD SP-030716 Update of 3GPP IETF Dependency table. This was introduced by NEC and proposed to add a table into 3GPP IETF Dependency List in order to ensure that 3GPP IP flow-based charging specifications are aligned with IPFIX WG related work. It was noted that this had not been reviewed in SA WG5. It was decided that SA WG5 should receive this over the e-mail reflector to ensure that there is agreement of the SA WG5 members on the content of the list before adding it to the official IETF Dependency tables, as this table provides a list of items that 3GPP will have requirements upon. The SA WG5 Chairman was asked to inform the TSG CN Chairman of the suitability of this list for inclusion.

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

TD SP-030735 LS (from TSG CN) to GSM IREG (cc: TSG SA) on ~~DNS domains used on the GRX~~ Management of the "3GPPnetworg.org" domain. This was provided for information and was noted.

TD SP-030565 LS (from CN WG3) on Inter-network accounting for BS30 based services such as video telephony. This was covered by the report from the TSG CN Chairman and was noted.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG CN work was included in the Report from TSG CN 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-030753 Draft report of TSG RAN meeting #22. This was provided by the TSG RAN Secretary for information and was noted.

TD SP-030752 Report from TSG RAN to TSG SA #22. The Status report from TSG RAN meeting #22 was presented by the TSG RAN Chairman.

ITU-R matters:

- A contribution, with information about the work ongoing within TSG RAN, was discussed for potential submission for Update 5 of the ITU-R Recommendation M.1457.
  TSG SA is requested to provide guidance on whether or not an update will be provided in October 2004 to ITU-R Working Party 8/F.
  If TSG SA and PCG agree on this point, then it is required that TD SP-030754 is endorsed to be sent for approval by the PCG as this document will be sent for ITU R WP8/F meeting in February.
  It seems that the process of updating M.1457 is taking more and more time and it is questionable if a discussion with the representative of ITU-R should not take place to try to look for a less constraining time schedule. TSG RAN Chairman is willing to attend the next meeting in Seoul to improve the process.
  Additionally, TSG RAN will produce Rel-6 versions of most of its specifications now (December 2003) so they can be sent for Update 4 of M.1457.

Release 99:

- Load due to CRs on Release 99 is decreasing and their scope is more and more limited. Even though the number seems too high the impact on specifications is limited. For the first time several of them have been rejected because felt not really essential.

Release 5:

- RAN WGs reviewed the impact on ASN.1 coding. It was not yet possible to agree to freeze this part for the RAN WG2 and RAN WG3 specifications after December 2003. This is foreseen to take place in March 2004. The situation is as follows:
  RAN WG2 was unable to do that in December due to TS 25.331 (RRC) mainly. RAN WG2 and RAN WG3 ASN.1 must be aligned, it is hence difficult to impose freezing in RAN WG3 due to potential impact from the changes still required for the ASN.1 in RAN WG2 specifications.

- The issue on co-ordination between GERAN and RAN on support of Iurg is now solved.
'
Release 6:

- MBMS has been scrutinised by RAN to check the status of the work.
  Work on AGPS performances has been started and a new specification is under development.
  The work item for Beam-forming Enhancement has been closed after approval of the CRs.
- Work on UMTS 800 & UMTS 850 is considered completed even though the band co-ordination required could not take place.
- Work on the 1700/2100 band is almost completed as FCC has now allowed the use of this band. Completion is foreseen for the next meeting of TSG RAN.
- The work on Iu enhancements for IMS support in RAN is pending discussion within SA and CN to determine whether or not distinction between RTCP (signalling flows) and RTP (user traffic) can be discriminated. If the answer from these groups is no then no work has to be carried out by TSG RAN.
- UE positioning Enhancement is progressing however co-ordination between group on this matter was detected to be an important issue.
- Work on Network sharing is pending progress in TSG SA WG2
- The scope of the OFDM work has been reduced in order to comply with the June 2004 time schedule.

New WIs:

- Improvements of receiver performance of HSPDA UE for enhancing the performance of FDD system as building block.
- Performance Requirements of Receive Diversity for HSDPA as a first work task attached to this building block.

The TSG RAN Chairman praised the excellent work being performed by the MCC support members for the RAN WGs. TSG RAN WGs had also requested additional MCC support for their 2004 meetings, which would need to be taken into account with other requests to see whether additional support resources can be allocated.

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

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

TD SP-030754 Proposed Initial submission for updated UTRA FDD and TDD toward Revision 5 of ITU-R Recommendation M.1457. This was endorsed by TSG SA for forwarding to the PCG List for approval.

8.2.3   Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG RAN work was included in the Report from TSG RAN 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-030762 Draft meeting report from T #22. This was provided by the TSG T Secretary for information and was noted.

TD SP-030761 TSG T #22 Progress Report (presentation slides). The Status report from TSG T meeting #22 was presented by the TSG T Chairman.

Issues in TSG T:

- Review & Comments for a "Candidates 3GPP specifications for inclusion in Art 17 list of standards" from ETSI ECN&S STF254 (TP-030294).
- Review & Comments for a "Proposal for improving accuracy of work planning" from MCC (TP-030302).
- 3GPP/OMA Cooperation.
- Review of 3GPP/3GPP2/OMA workshop (7th November, London).

-      Long discussion on "Transfer of MMS into OMA" and 4 proposals were developed and agreed.
    -      Post REL-6 technical discussion on MMS 23.140 should be moved to OMA now.
    -      PCG should be invited to consider IPR and copyright issues.
    -      Discussion on technical maintenance of 23.140 Rel-6 and earlier should be moved to OMA on completion of Rel-6.
    -      Further consideration is needed concerning transfer of ownership of 23.140 material, including splitting and rewriting specifications.
-      T WG2 is invited to have a debate and create proposal on its future architecture and T WG3 will make a proposal on where to treat MMS smart card aspects in future.
-      Review of "3GPP Dependencies on OMA Deliverables".

Questions and Comments:

Slide 20: 3GPP/OMA Co-operation: It was noted that there was an action point for the PCG meeting to discuss the copyright issues with OMA work.

Technical maintenance of TS 23.140: It was clarified that the move of work to another group entailed consideration of whether to also move the maintenance of previous Releases to that group, or to continue this in 3GPP. It was reported that the output of the OMA workshop had been endorsed by the OMA Plenary and it was desired to start work as soon as possible. It was noted that no firm decision on the transfer of this work and maintenance had yet been made.

K. Holley suggested that it made sense for TSG SA to follow the same process with TS 22.140 as was being followed with TS 23.140 by TSG T. This was agreed.

Slide 10: Misalignment of inter-RAT test cases between T WG1 and GERAN. It was clarified that it had been decided to split the testing so GERAN do the 2G to 3G handover testing and T WG1 will do the 3G to 2G handover testing. The task of writing the TTCN has been done by STF 160 and some misalignment has been reported with regards to the original agreed responsibility split (but there is no misalignment of the resulting test cases). TSG GERAN will add a cover note explaining which subset of test cases belong to the GERAN work will be added.

Slide 18: T WG3 Smart Card Application Aspects: It was clarified that T WG3 had discussed use cases and proposals and chosen to use the Bearer Independent Protocol as the high bandwidth bearer for communication between the USAT and the appropriate network element (see the LS in TD SP-030745 which was endorsed by TSG SA). TIM reported that there were still some requirements which require further study in order to be adopted and they considered that this would be a suitable solution if all the requirements for the use-cases coming from GSMA can be fulfilled in the current Rel-6 timescales. If this can not be completed in time, the decision should be re-visited.

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

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

TD SP-030607 T WG3 reply to LSs on MMS as a Bearer for USAT. This was dealt with when considering TD SP-030745 and was noted.

TD SP-030746 LS (from TSG T) to TSG SA cc: SA WG1, T WG2 on WID Handling of private addressing schemes in MMS. This was introduced by TSG T Secretary and requested that TSG SA review the attached WID with a view to expediting its approval in order to allow T WG2 to commence its work in January 2004. TSG SA noted that T WG2 were to work on this and asked SA WG1, SA WG2 to consider the work in the context of their VPN work and SA WG3 to consider the Security impacts. **The LS should be forwarded to SA WG1 and SA WG3 in addition to the currently addressed groups**. Supporting companies were asked to contribute to SA WG1 in order to progress the work. The feasibility for inclusion in Rel-6 would be determined by the amount of and progress of the work in the impacted WGs.

8.3.3   Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG T work was included in the Report from TSG T 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-030737 TSG GERAN Status Report to TSG SA#22. The Status report from TSG GERAN was presented by the TSG GERAN Chairman.

Pre-Release 5:

- Padding for MCS-8 retransmissions.
- Improved "Delayed Uplink TBF Release":
    - Reduction on the latency.
    - Concerns about battery power consumption.
- Clarification of NC measurement reporting for the case of dedicated connections.

Release 5:

- Few CRs on Iu mode.
- CRRM:
    - Alignment with RANAP.
- RIM / NACC:
    - CRs reviewed but postponed.
    - Two evening sessions: good progress.
- Addition of selection at channel release postponed.
- PDP Context preservation.

Release 6:

- Multiple TBFs for A/Gb:
    - Interactions with DTM completed.
    - MS behaviour on reception of assignment messages.
    - Abnormal cases and abnormal release.

- Flexible Layer 1
    - Main parts of FLO completed and set of CRs introducing FLO approved:
        - CRs to TR and Iu stage 2
        - CRs to stage 3 agreed
        - Support of FLO on HR channels
        - Modification to the classmark postponed
    - **FLO for A/Gb still open and might be post Release 6**

- MBMS:
    - Discussion over joint meeting outcome.
    - TMGI:
        - Requirements: short and unique.
    - MBMS terminology.
    - Notification requirements:
        - Added to the stage 2.
    - Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes.

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

- U-TDOA:
    - CS domain
        - Small correction to 43.059
    - PS domain
        - No activity

- 2G PS Conversational:
    - PS handover:
        - Handover principles clarified and agreed.

- Bi-casting vs packet forwarding.
- Alternative proposal for handover:
  - Very similar on the network side.
  - NC-2 like on the radio.
  - Concerns on size limitations of the PCCO.
- Skeleton for stage 2 created.

- PS interruption in DTM:
  - WI created.
  - One contribution on use cases and requirements:
    - Use cases to be validated.
    - No hard requirements from background/interactive.

TEI 6:

- Rules for handling PFC procedures.
- DTM procedure description.
- LCS QoS Class postponed.
- PFI change procedure:
  - Concerns raised about starvation of low priority flows.
- Uplink access burst defined.
- CPS field in MCS-3 blocks for MCS-8 retransmissions.
- Handover when service not supported in GERAN.
- Storage of the last location estimate in the BSS.
- Proposal for Cell-Selection redirection at connection termination.

SAIC

- Single Antenna Interference Cancellation:
  - Results of simulations for synchronous networks for CS services converge.
  - Results for asynchronous networks show a potential gain.
  - Results for 8-PSK interference show less gain for a 8-PSK modulated interferer compared to GMSK modulated interferer!
- Work items for Advanced Receiver Performance (ARP) approved.
- SAIC Feasibility Study kept open for additional scenarios.

Testing:
- There are still no input on the developing Test Cases (currently 0%) for the following Rel-5 features:
  - Alignment of 3G functional split and Iu.
  - Wideband telephony services.
  - Enhanced Power Control.
  - AMR 8 PSK HR.
- Work plan for GPRS test cases R99 has been updated.
- The R97 GPRS test cases, which have been introduced to 51.010-1 during the Work-Plan life are R99 compliant, and will be included in the Work Plan by the next TSG GERAN Meeting.
- Outstanding actions:
  - To conclude the alignment (if possible) for the last 5 test cases by the next TSG GERAN Meeting.
- Testing of NC2:
  - Phase 1 / Step 1:   13 of 17 planned test cases available.
  - Phase 1 / Step 2:   12 test cases available. Additional test cases to be identified.
- PTCRB test cases:
  - A number of a new Test Cases were presented and agreed:
    - TTY.
    - PLMN Selection/Reselection.
  - The Work Plan has been updated and a number of action points identified.
  - An LS providing information about the status of the work send to PTCRB.
- GSM to 3G handover (TTCN):
  - GERAN WG3 has discussed and agreed to create the approval process of GERAN to UTRAN Inter-RAT Handover TTCN test cases, developed based on the TS 51.010 specifications
  - The process will be similar to that used by T WG1

-        The GERAN WG3 is intending to be ready to approve TTCN as soon as verified test cases are available.

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

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

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

8.4.3   Information on status and changes to deliverables

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

8.5   Letters to other groups

TD number	Title	Comment/Status	TO	CC
SP-030758	LS on Candidates 3GPP specifications for inclusion in Art 17 list of standards	Approved	ETSI ECN&S STF254	-
SP-030786	Liaison Statement on Status of 3GPP Service Definition and Service Creation work	Approved	TC-TISPAN WG 1	SA WG1
SP-030787	Reply to LS to 3GPP on principles for overlapping issues with OMA regarding PoC	Approved	OMA REQ	-

8.6   3GPP Work plan

TD SP-030768 3GPP Work Plan, version 10th December 2003. This was provided for information and was noted.

TD SP-030769 Review of the Work Plan at Plenaries #22. This was presented by A. Sultan, the MCC Work Plan manager and outlined the MCC summary of the status of Features in the 3GPP Work Plan.

Questions raised to TSG SA:

Slide 24:   Can LCS support for IMS public identities and FS on Galileo be shifted to later release if needed?
YES

Slide 30:   How can 3GPP be informed of the progress of 3GPP2 on interoperability issues?
It was commented that the interoperability with 3GPP2 should be considered as closed, as the 3GPP2 work relied upon the 3GPP work, which is considered complete. This could be re-opened if necessary, depending on input from 3GPP2.

Slide 40:   CN1 work never started, and the task is proposed to be deleted at CN#23 unless CN1 tasks are clearly identified.
SA WG4 Chairman responded that work in CN WG1 is dependent on the selection of Codec, and SA WG4 would provide the necessary information to CN WG1 as soon as it is available. TSG CN were asked not to delete this task until this is clarified.

Questions and Comments:

Slides 68-76 (feature list and expected completion dates) and last slide (Conclusions): It was clarified that the conclusions were drawn by assuming that June 2004 was an "optimistic" freeze date, whether September was considered a more "realistic" freeze date, given the uncertainties for the completion dates.

Slide 76: It was clarified that the "?" characters in completion dates were included to indicate that the dates were uncertain.

Slide 76: It was clarified that MBMS User Agent was equivalent to MBMS User Service.

Slide 39: The SA WG4 Chairman commented that the SA WG4 work should be estimated as June 2004.

Slide 50: The SA WG4 Chairman commented that the Performance evaluation of multimedia Codecs for PS conversational services completion date should be June 2004.

Slide 76: Bandwidth and resource savings in CS networks completion date should be replaced with "?".

Slide 19: MIMO Completion date should be "Not Applicable". It was also noted that MIMO is not a Feasibility Study, but a Work Item.

Slide 76: The Feasibility Studies and TRs should be removed from this list as they are misleading for the status of real specification work.

Release 6 freeze planning:

It was considered unrealistic to have a freeze date of June 2004, due to the number of open issues in the Stage 2 parts of key Features. It was expected that more accurate and reliable information on the expected Stage 3 work would be available at the March 2004 Plenary meetings and if the Stage 2 can then be considered as frozen (i.e. only Category F CRs expected) then the final freeze date can be determined.

The SA WG2 Chairman reported that some Stage 2 items were planned for completion in June 2003 and the priority of those items as it is intended to complete the Stage 2 by March 2004 was questioned. The TSG SA Chairman asked SA WG2 to list their work items with expected impacts on the Stage 3 in order to determine the priority of early completion/freezing of the Stage 2. An "exceptions list" can then be generated for the Stage 2 completion/freeze dates, where later delivery would not entail a large amount of Stage 3 work.

The revised presentation, including agreements and comments received was provided in TD SP-030791 which was noted.

TD SP-030767 Draft summary of Release 1999 features. This was presented by A. Sultan, the MCC Work Plan manager and was a draft summary of the Release 1999 "features", compiled by MCC. As Release 1999 did not use the concept of Features, Building Blocks and Work tasks, this task had been done slightly differently to the Rel-5 Features summary previously produced by MCC. **Members were asked to check the document and provide comments on any errors, omissions, etc. to the Work Plan Manager, A. Sultan** in order that an improved version can be produced by MCC for presentation to the next TSG meetings. The document was then noted.

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

TD SP-030574 CRs to lists of specs. It was clarified that the highlighted note in 41.101 CR001 was not intended to appear in the implementation of the specification. These CRs were approved.

TD SP-030576 List of Release 5 Specs not yet upgraded to Release 6. This was provided for information and was noted. WG Officials were reminded that any TSs and TRs not already upgraded to Rel-6 at the Rel-6 freeze date will need to be considered as to whether they are appropriate for upgrade from their latest Rel-5 version or not.

TD SP-030577 Specs status list prior to TSGs#22. this was provided for information and was noted.

TD SP-030578 Status list after TSG SA #22. This document will be provided by the MCC specifications Manager (Mr. J. Meredith) after inclusion of the results of this round of TSG Meetings. Members were asked to check the document and make any comments to Mr. J. Meredith, MCC.

TD SP-030579 Specifications not yet under change control, but pertaining to frozen Releases. The SA WG3 Secretary was asked to take this to SA WG3 and report back to the specifications manager with decisions on the outstanding documents in the table. The list was then noted.

8.8   Review of Release 6 status, content and completion

There were no specific contributions under this agenda item.

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

TD SP-030782 LS from various Operators: Request for Workshop on Evolution and Management of 3GPP specifications beyond Release 6. This was provided by O2, AT&T Wireless Services, Rogers Wireless, T-Mobile, Vodafone, Orange and Telecom Italia Mobile and proposed that TSG SA should sponsor and propose a 3GPP workshop to addresses the requirements for the future evolution and management of the 3GPP specifications beyond Release 6. It proposed that the workshop be tasked with examining the current Release structure, to discuss possible alternatives and to propose a way forward to TSG SA meeting #23. A related contribution was provided in TD SP-030742 which was also considered.

TD SP-030742 Improvements to 3GPP Release Structure. This was introduced by Nortel Networks and discussed the proposals provided by the Operators in TD SP-030782, i.e.:

-    Explicitly plan which features may require an early implementation.
-    Take account of protocol properties when designing features for early implementation.
-    Capture the possibility for early implementation when individual features are completed.
-    Document the "frozen" status of individual features and clarify the processes for the individual freezing of features.

Nortel Networks discussed aspects of the 3GPP release systems and ways it could be improved. The analysis suggested that there isn't a strong case for moving away from the current model of having one system wide release produced on a periodic basis. However, improvements in a number of areas would help make this process more effective:

-    Process improvements should be applied to make the "early implementation" of features prior to the freezing of a whole release a more practical possibility.
-    The work item template is updated as shown in the annex to help facilitate these improvements.
-    The coupling between different modules of the system should be more carefully managed so that new features can be deployed while impacting as few modules as possible.

The template provided in an annex to the contribution was considered useful to help reinforce the use of the current working methods adopted in 3GPP.

It was commented that the urgency for this issue and the need for a workshop was not clear as the priority for 3GPP is the progress and completion of the Rel-6 work and suggested that such a workshop should not be considered until Rel-6 is complete.

There was a suggestion for a "temporary" report of Release 7 Features which are complete and can be implemented on a Release 6 platform to be produced in order to give a clear indication of possible additional capabilities of a Rel-6 system.

The TSG SA Chairman commented that these proposals would need a serious analysis in order to determine the practicalities and impacts of the proposals in order that any change of working methods is manageable and consistent. Although it is possible to freeze features independently, the Nortel Networks contribution indicated that there are no mechanisms in place to manage this and it would introduce some complexity at first sight. As no agreement on the setting-up of a workshop on this subject could be reached at the meeting, the TSG SA Chairman suggested that this is best dealt with via e-mail discussion and report to the next meeting of any conclusions and agreements made and the decision on the way forward to be decided at the next TSG SA meeting. This suggestion was agreed and Mr. I Sharp agreed to manage/moderate the e-mail discussion. The progress after the next TSG SA meeting would be determined to decide if the OPs should be consulted on the proposed modifications to the working methods for the 3GPP Project.

8.10   Other issues

TD SP-030784 Proposals on organisation of charging work. This was introduced by Lucent Technologies on behalf of Lucent Technologies, Siemens AG, Motorola, T-Mobile, Nortel and Alcatel. During the discussions, The following points were agreed:

1.   It was agreed that SA1 is and should continue to be the group responsible for the Stage 1 charging requirements. It was noted that GSMA liases frequently with SA5 SWGB on requirements, but that not all of these requirements are stage 1 related, many relate to operational issues. It was agreed that GSMA should be encouraged to send stage 1 related requirements to SA1 with the option to send the

information to SA5 SWGB as well and that SA5 SWGB should continue to forward the appropriate requirements to SA1 if this does not happen.
This was noted by TSG SA. GSMA should be asked to send liaisons also to SA WG1.
2. *It was agreed that SA2 is responsible for the overall network architecture and should continue with the work that it has been doing to define the impacts of charging within the context of that network architecture, while charging architecture specific aspects will continue to be the responsibility of SA5 However, it was agreed that the borderline between SA2 and SA5 SWGB is difficult to define, except on a case-by-case basis.*
This was noted by TSG SA.
3. *It was agreed to encourage more co-operation and co-ordination of the charging work between the SA and CN WGs as well as, as far as possible, to look for co-location of meetings. It was also agreed to encourage more direct technical co-operation and co-ordination of the charging work in SA5 with the AAA work in IETF, especially with regards to online charging and credit control aspects. Administrative aspects of this co-operation are handled within IETF dependency management framework of TSG-CN.*
The SA WG5 Chairman reported that SA WG5 SWGB had undertook to start direct liaison and co-locating meetings would be considered. It was commented that the Work Plan provides Feature level details, but the real detail of each work item should be obtained from the WID sheets.

TD SP-030760 3GPP Dependencies on OMA Deliverables. This OMA dependencies list was introduced by Mr. I. Sharp. The document was considered useful and should be maintained in a similar way to the IETF Dependencies list. WG Chairmen and Secretaries were asked to forward information to Mr. I. Sharp to keep the list updated.

TD SP-030789 Draft LS (from OMA TP Leadership) to 3GPP and 3GPP2 on MMS decisions. This was provided for information and showed that the OMA workshop conclusions had been endorsed by the OMA Plenary. The LS was then noted.

9   Project Management

9.1   Review of work programme

There were no specific contributions under this agenda item. The work programme was reviewed as part of agenda item 8.6.

9.2   Working methods

TD SP-030575 CRs to 21.900 to make it "release-independent" and to correct some references. These CRs were produced by the specifications manager and were approved. The specifications manager undertook to do a similar thing for 21.801 (3GPP drafting rules).

TD SP-030750 Proposal for improving the accuracy of work planning. This was introduced by the specifications manager and had been produced by the specifications manager and work plan manager in order to attempt to improve the accuracy of the Work Programme. The following actions to try to overcome these problems were proposed:

1.   Time scales recorded in WIDs should be relative, not absolute. That is, rather than estimating the completion date, the WID should state the number of months required to complete it.
2.   All work items should be shown as having started not on approval of the WID, but on the generation of the first subsequent contribution to the responsible Working Group.
3.   Stage 2 work should not be targeted to start until the stage 1 work reaches at least 50 %. When Stage 1 is provided by the means of new specification(s), this means that the corresponding specification has been presented to the TSG for information.
4.   Stage 3 work should not be targeted to start until the stage 2 work reaches at least 50 % (i.e. if applicable, corresponding new specification presented to the TSG for information).

It was recognised that the Project Management as applied to the 3GPP work is not a rigorous as normal Project Management due to the "open-ended" nature of standardisation work. The idea is to have a good estimate of the timing of a block of work and to link these dates to the related work on which it depends.

It was commented that if the WGs kept their Work Plan details accurate and up-to-date then such a change would be unnecessary. It was also commented that for Stage1, 2 3 work, there were many examples of where the use of dependency-relative timescales would be useful.

There was a comment that apart from Stage-related dependencies, there were also a number of Inter-WI-related dependencies, which are also difficult to manage accurately. The dependencies on work in non-3GPP groups should also be considered in the 3GPP Work Plan.

The specifications manager clarified that for commercial reasons it may be appropriate to include fixed target dates for some WIs on a case-by-case basis.

It was agreed that BB WIs **should** use this relative target date system, but it was important that the **target date at the Feature level is fixed**. Therefore, Features would need to contain a fixed Target date, and BBs and WTs below it could use the relative system with respect to other Features / BBs / WTs.

> NOTE: It was clarified that the target date would appear as a milestone in the Project Plan rather than a fixed Finish date in order for this hybrid system to work in the software.

TSGs and WGs were encouraged to ensure that accurate estimates were included in the Work Plan.

TD SP-030742 Improvements to 3GPP Release Structure. This was discussed under agenda item 8.9.

9.3   Other issues

There were no specific contributions under this agenda item.

10   Project support

TD SP-030775 MCC Status report to TSG SA #22. This was presented by the head of MCC (A. Scrase) and provided information on the running of MCC and resource issues. It was reported that due to a re-structuring in ETSI, Mr. A. Scrase was now the Head of additional ETSI competence centres and that Mr. J. Meredith had been appointed as Team Leader for MCC.

Departures:

> It was reported that Claus Dietze has now returned to his home company (Giesecke & Devrient) but continues to provide support to WG T3 (and SCP) on a part time basis until the end of 2003. This is the last TSG session at which we will see Claus and recognition should be given to the work that he has performed. This vacant post will not be filled, but Claus' workload will be taken over by Andrijana Jurisic, with effect from 1 Jan 2004.
> Also departing from the team is Joern Krause who will return to his home company (Siemens AG) at the end of 2003. This is the last TSG session at which we see Joern and his support to RAN3 should also be recognised. A calling notice has already been issued for this vacancy and it is hoped that a suitable replacement will be found and that RAN3 experience no loss of service.
> Marlène Forina, who is well known to many of you as one of the MCC support assistants, has also left the team (but continues to work in ETSI). This vacant post will not be filled, but Marlène's tasks have been distributed among the remaining assistants.

> These MCC members were thanked for their very good work performed within MCC and were wished good fortune in their future work.

Additional support resource requests:

It was suggested that the RAN WGs should take high priority for additional support due to their high work load to meet the requirements and other WGs then allocated on an urgency basis and remaining resource.

11   Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12   Work plan and future meetings

TD SP-030785 3GPP Calendar of Meetings. This was provided for information and was noted.

Length of meetings: There was some discussion on the length required for TSG SA meeting plenary. The TSG SA Chairman reported that it was always possible to reduce the meeting length, but at the expense of longer working days and less flexibility to include any off-line discussion, quickly arranged Workshops or ad-hoc groups. The 2004 meeting schedule is defined and the 2005 schedule will soon be finalised.

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
3GPPGERAN#18	EF3	2–6 February, 2004	Reykjavik	IS
3GPPRAN#23	NA Friends	9-12 March, 2004	Phoenix	US
3GPPT#23	NA Friends	10-12 March, 2004	Phoenix	US
3GPPCN#23	NA Friends	10-12 March, 2004	Phoenix	US
3GPPSA#23	NA Friends	15-18 March, 2004	Phoenix	US
3GPPGERAN#19	NA Friends	19-23 April, 2004	TBD	US
3GPPRAN#24	TTA	1-4 June, 2004	TBD	Korea
3GPPT#24	TTA	2-4 June, 2004	TBD	Korea
3GPPCN#24	TTA	2-4 June, 2004	TBD	Korea
3GPPSA#24	TTA	7-10 June, 2004	TBD	Korea
3GPP GERAN#20	EF3	21-25 June, 2004	TBD	Europe
3GPP GERAN#21	NA Friends	23-27 August, 2004	TBD	US
3GPPRAN#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPT#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPCN#25	NA Friends	8-10 September, 2004	Palm Springs	US
3GPPSA#25	NA Friends	13-16 September, 2004	Palm Springs	US
3GPPRAN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPT#26	EF3	8-10 December, 2004	Athens	Greece
3GPPCN#26	EF3	8-10 December, 2004	Athens	Greece
3GPPSA#26	EF3	13-16 December, 2004	Athens	Greece
3GPPRAN#27		9-11 March 2005	Tokyo	Japan
3GPPT#27		9-11 March 2005	Tokyo	Japan
3GPPCN#27		9-11 March 2005	Tokyo	Japan
3GPPSA#27		14-16 March 2005	Tokyo	Japan

13 Any other business

There were no specific contributions under this agenda item.

14 Close of meeting

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

Annex A: Co-ordinates of TSG and WG Officials

A.1   TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials:						
Chairman	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Gary Jones	VoiceStream	gary.jones@voicestream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo	naka@netlab.nttdocomo.co.jp	+81 46 840 3970	+81 86 840 3723	
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG1 Officials:						
Chairman	Michele Zarri	T-Mobile (UK)	michele.zarri@t-mobile.co.uk		+44 170 73 16009	+44 79 3200 2114
Vice Chairman	Randolph Wohlert	Pacific Bell Wireless	rwohlert@tri.sbc.com	+1 512 372 5838	+1 512 372 5891	
Vice Chairman	Paul Carpenter	RIM	pcarpenter@rim.net	+44 7736 961131	+44 1784 477 455	
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG2 Officials:						
Chairman	Magnus Olsson	Ericsson LM	magnus.olsson@era.ericsson.se	+46 8 585 31454		+46 70 576 1918
Vice Chairman	Alexander Milinski	Siemens AG	alexander.milinski@siemens.com	+49 89 636 75209		+49 175 180 45 12
Vice Chairman	Vacancy					
Secretary	Sang-Ui Yoon	3GPP Support Team	sang-ui.yoon@etsi.org	+33 4 92 94 42 97	+33 4 92 38 52 97	
TSG SA WG3 Officials:						
Chairman	Valtteri Niemi	Nokia	valtteri.niemi@nokia.com	+358 50 48 37327	+358 9 4376 6850	
Vice Chairman	Michael Marcovici	Lucent Technologies	marcovici@lucent.com	+1 630 979 4062	+1 630 224 9955	
Vice Chairman	Peter Howard	Vodafone	peter.howard@vodafone.com	+44 1635 676206	+44 1635 231721	+44 7787 154058
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG4 Officials:						
Chairman	Kari Jarvinen	Nokia	kari.ju.jarvinen@nokia.com	+3587180 35854	+358 7180 35888	+358 50 555 0999
Vice Chairman	Catherine Quinquis	Orange France	catherine.quinquis@francetelecom.com	+33 2 96 05 14 93	+33 2 96 05 35 30	
Vice Chairman	Frédéric Gabin	NEC Technologies (UK)	frederic.gabin@nectech.fr	+33 1 49 07 28 21	+33 1 49 07 20 01	+33 6 23 05 24 50
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG SA WG5 Officials:						
Chairman	Michael Truss	Motorola	Michael.Truss@motorola.com	+353 21 511 327	+353 21 357 635	
Vice Chairman	Yewen Li	China Mobile Communications Corporation	liyewen@chinamobile.com	+86 10 66006688-1771	+86 10 66006235	
Vice Chairman	Christian Toche	Nortel Networks	toche@nortelnetworks.com	+33 1 69 55 44 91	+33 1 69 55 13 46	
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

A.2   TSG CN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CN Officials:						
Chairman	Stephen Hayes	Ericsson	stephen.hayes@ericsson.com	+1 972 583 5773	+1 972 644 3036	
Vice Chairman	Iain Sharp	Nortel Networks	isharp@nortelnetworks.com	+44 1628 43 42 87	+441628437310	
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo Inc.	naka@netlab.nttdocomo.co.jp	+81 46 840 3970	+81 46 840 3723	
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG1 Officials:						
Chairman	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	+358 40 502 1724
Vice Chairman	Andrew Howell	Motorola Ltd	andrew.howell@motorola.com	+44 1256 790 170	+44 1256 790 190	+44 77 85 363 850
Vice Chairman	Richard Brook	Samsung Electronics	richardbrook39@aol.com	+44 1594 836646	+44 1784 428629	+44 7776 181555
Secretary	Per J. Jorgensen	3GPP Support Team	PerJohan.Jorgensen@etsi.org	+33 4 92 94 42 31	+33 4 92 38 52 31	
TSG CN WG2 Officials:						
Chairman	Keijo Palviainen	NOKIA	keijo.palviainen@nokia.com	+358 9 511 69669	+358 9 5112 9253	+358 40 558 5623
Vice Chairman	Rogier Noldus	Ericsson	rogier.noldus@etm.ericsson.se	+31 161 249 400	+31 161 249 904	+31 6 516 13908
Vice Chairman	Vacancy					
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	
TSG CN WG3 Officials:						
Chairman	Norbert Klehn	Siemens	norbert.klehn@icn.siemens.de	+49 30 386 290 90	+49 30 386 44255	
Vice Chairman	Juha Räsänen	Nokia	juha.a.rasanen@nokia.com	+358 40 543 9058	+358 9 5112 9626	
Vice Chairman	Vacancy					
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG4 Officials:						
Chairman	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152	+49 66 211 69 122	+4915114016084
Vice Chairman	Toshiyuki Tamura	NEC Corporation	tamurato@aj.jp.nec.com	+81 471 85 6706	+81 471 85 6962	
Vice Chairman	Peter Wild	Vodafone	peter.wild@vodafone.com	+49 211 533 3798	+49 211 533 3804	+49 172 7211170
Secretary	Kimmo Kymalainen	3GPP Support Team	kimmo.kymalainen@etsi.org	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CN WG5 Officials:						
Chairman	Chelo Abarca	Alcatel	chelo.abarca@alcatel.fr	+33 1307 70469	+33 1307 70230	
Vice Chairman	John-Luc Bakker	Telcordia Technologies Inc.	jlbakker@research.telcordia.com	+1 732 699 2694	+1 732 336 7016	+1 240 423 8316
Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	
TSG CN AHG1 (ITU-T Co-ordination) Officials:						
Chairman	Yun Chao Hu	Ericsson	Yun-Chao.Hu@era.ericsson.se	+ 46 8 508 78153		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	

A.3   TSG RAN Officials

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

A.4 TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung Electronics	skpark@samsung.com	+82 31 2795300	+82 31 279 5265	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG1 Officials:						
Chairman	Phillip Brown	3	phillip.brown@three.co.uk	+44 1628 765465	+44 1628 766012	+44 7799 628410
Vice Chairman	Dan Fox	Anritsu Ltd	dan.fox@eu.anritsu.com	+44 7909 983357	+44 1582 433 276	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Alain Sultan	3GPP Support Team	alain.sultan@etsi.org	+33 4 92 94 42 71	+33 4 93 65 28 17	
TSG T WG2 Officials:						
Chairman	Ian Harris	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	Vacancy					
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	Claus Dietze	3GPP Support Team	claus.dietze@etsi.org	+33 4 9294 42 90	+33 4 92 38 52 90	

A.5   TSG GERAN Officials

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

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030560	Draft Agenda for TSG SA meeting #22	TSG SA Chairman	2	Approval		Approved
SP-030561	Draft Report of TSG SA meeting #21	TSG SA Secretary	3	Approval		Approved with modifications to remove TIM in some places as objecting company. Version 1.0.0 will be placed on FTP Server
SP-030562	WITHDRAWN - Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC	OMA Requirements WG	6.3	Action	WITHDRAWN	WITHDRAWN - Equivalent to SP-030566
SP-030563	LS Reply (from SA WG5) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5	SA WG5	8.2.1	Information		Noted
SP-030564	LS from ETSI TISPAN: Inquiry on Status of 3GPP Service Definition and Service Creation work	ETSI TISPAN	6.2	Action		SA1 reply to be checked if adequate. Otherwise new LS from SA needed
SP-030565	LS (from CN WG3) on Inter-network accounting for BS30 based services such as video telephony	CN WG3	8.1.2	Action		Covered by CN Chairmans report. Noted
SP-030566	Reply LS (from OMA Req WG) to 3GPP on principles for overlapping issues with OMA regarding PoC	OMA Req WG (with input from OMA PoC WG)	6.3	Action		Response LS in SP-030566
SP-030567	Reply LS (from SA WG2) to Response on "Work following the joint SA2/RAN2/CN1 meeting on paging"	SA WG2	7.2.2	Information		Noted
SP-030568	Liaison Statement (from OCG EMTEL) reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2	OCG EMTEL	6.2	Information		Noted. Stated that SMS is not suitable for Emergeny Services use.
SP-030569	LS from ITU-T Q.12/4: Removal of proposed amendments (level 3) to Rec. M.3100	Rapporteur Q.12/4	6.3	Action		members to decide if needed and contribute if required. Noted.
SP-030570	LS from ITU-T Q.12/4: Structured probable cause	Rapporteur Q.12/4	6.3	Action		
SP-030571	MMS Workshop Conclusions	O2	5 / 6.3	Information		Noted under item 5
SP-030572	Reply LS (from RAN WG3) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on TSG SA 5	RAN WG3	8.2.1	Information		Noted
SP-030573	LS (from SA WG5) on Reply LS on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5	SA WG5	8.2.1	Information		Noted
SP-030574	CRs to lists of specs	MCC (J. Meredith)	8.7	Approval		Approved
SP-030575	CRs to 21.900 to make it "release-independent" and to correct some references	MCC (J. Meredith)	9.2	Discussion / Decision		Approved. Similar change for 21.801 - drafting rules - to be done
SP-030576	List of Release 5 Specs not yet upgraded to Release 6	MCC (J. Meredith)	8.7	Discussion		Noted. Those specifications not already upgraded need to be considered at Rel-6 freeze time.
SP-030577	Specs status list prior to TSGs#22	MCC (J. Meredith)	8.7	Information		Noted
SP-030578	status list after TSG SA #22	MCC (J. Meredith)	8.7	Information		Will be provided after inclusion of TSG#22 results. Members to send any comments to specs manager
SP-030579	Specifications not yet under change control, but pertaining to frozen Releases	MCC (J. Meredith)	8.7	Decision		Noted. S3 secretary to take S3 issues to S3 for decision on the TSs/TRs
SP-030580	Status Report of SA WG3 activities	SA WG3 Vice Chairman	7.3.1	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030581	Reports of SA WG3 meetings since TSG SA#21	SA WG3 Secretary	7.3.1	Information		Noted
SP-030582	Draft TR 33.919 version 1.0.0: Generic Authentication Architecture (GAA); System Description (Rel-6) - for Information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030583	Draft TS 33.220 version 1.0.0: Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030584	Draft TS 33.221 version 1.0.0: Generic Authentication Architecture (GAA); Support for Subscriber Certificates (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030585	Draft TS 33.234 version 1.0.0: Wireless Local Area Network (WLAN) Interworking Security (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030586	Draft TS 33.246 version 1.0.0: Security of Multimedia Broadcast/Multicast Service (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030587	Draft TS 33.310 version 1.0.0: Network Domain Security; Authentication Framework (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030588	Draft TR 33.817 version 1.0.0: Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Comments to be provided to SA WG3.
SP-030589	CR to 33.106: Correction to lawful interception references (Rel-6)	SA WG3	7.3.3	Approval		Approved. Other references need correcting
SP-030590	CR to 33.107 MSISDN/IMEI clarification for GPRS interception (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030591	CRs to 33.107 and 33.108: Reporting TEL URL (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030592	CRs to 33.108: Correction to Annex G on TCP based transport (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030593	CR to 33.108: LI Reporting of Dialed Digits (Rel-6)	SA WG3	7.3.3	Approval		Approved. Clarification on the meaning of Dialled Digits should be considered
SP-030594	CRs to 33.108: CS Section for 33.108 – LI Management Operation and User data packet transfer (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030595	CR to 33.108 Alignment of Lawful Interception identifiers length to ETSI TS 101 671 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030596	CRs to 33.203: Correcting the text on sending an authentication response (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030597	CRs to 33.203: SA procedures (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030598	CRs to 33.203: SA parameters and management (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030599	CRs to 33.203: Reject or discard of messages (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030600	CRs to 33.203: Correcting the SA handling procedures (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030601	CR to 33.203: Terminology alignment (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030602	CR to 33.203: Introducing the SIP Privacy mechanism in Stage 2 specifications (Rel-5)	SA WG3	7.3.3	Approval	SP-030764	Revised editorially in SP-030764
SP-030603	CR to 33.203: Removing anti-replay requirement from Confidentiality clause (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030604	CRs to 33.203: Ensuring the correct RAND is used in synchronization failures (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030605	CRs to 33.203: Network behaviour when a new REGISTER is challenged during an on going authentication (Rel-5 / Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030606	CR to 55.205: Correction of reference (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030607	T WG3 reply to LS's on MMS as a Bearer for USAT	T WG3	8.3.1	Information		Dealt with in SP-030745. Noted
SP-030608	LS (from GSMA-WLAN) to 3GPP SA, SA2 on GSM Association requirements for I-WLAN scenario 3	GSMA - WLAN	6.3	Information		SA WG2 to consider GSMA requirements to come in 2004.
SP-030609	LS from GSMA: GSM Association requirements for I-WLAN scenario 3	WLAN Taskforce, GSMA	6.3	Information		Noted
SP-030610	Status report of SA5 to SA #21	SA WG5	7.5.1	Information		Noted
SP-030611	2 Rel-5/6 CR 32.102 (Telecommunication management; Architecture) : Removal / Replacement of the term UMTS	SA WG5	7.5.3	Approval	SP-030756	Revised in SP-030756
SP-030612	Rel-6 CR 32.421 (Trace concepts and requirements): Correction of IMS subscriber id for Trace	SA WG5	7.5.3	Approval		Approved
SP-030613	New Rel-6 TS 32.150 (Integration Reference Point (IRP) Concept and Definitions) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030614	New Rel-6 TS 32.151 (IRP Information Service Template) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030615	New Rel-6 TS 32.152 (IRP IS UML Repertoire) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030616	New Rel-6 TS 32.171 (SM NRM IRP: Requirements) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030617	New Rel-6 TS 32.172 (SM NRM IRP: Information Service) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030618	3 Rel-99/4/5 CR 32.015/32.215 (Charging data description for the PS domain) : Correction of Data Record Format Version	SA WG5	7.5.3	Approval		Approved
SP-030619	2 Rel-4/5 CR 32.205 (Charging data description for the CS domain) : Correction on inter-network accounting	SA WG5	7.5.3	Approval	SP-030765	Revised in SP-030765
SP-030620	2 Rel-5 CR 32.205/32.215 (Charging data description for the CS/PS domains) : Correction to Level of CAMEL Service	SA WG5	7.5.3	Approval		Approved
SP-030621	Rel-5 CR 32.215 (Charging data description for the Packet Switched (PS) domain) : Correction on QoS Information (only if CN#22 approved CN4 CR 24.008)	SA WG5	7.5.3	Approval		Actually depended upon a CR to 29.060, which was approved at TSG CN. Approved
SP-030622	3 Rel-5 CR 32.225 (Charging data description for IMS) : Various Corrections	SA WG5	7.5.3	Approval		Approved
SP-030623	New Rel-6 TS 32.240 (Charging architecture and principles) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030624	New Rel-6 TS 32.250 (Circuit Switched domain charging) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030625	Rel-99 CR 32.106-6 (Basic Configuration Management IRP: CORBA Solution Set) : Correction to remove characters causing IDL Compilation error	SA WG5	7.5.3	Approval		Approved
SP-030626	Rel-5 CR 32.111-3 (Fault Management; Alarm IRP: CORBA Solution Set) : Missing IDL definitions to support Security Alarms	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030627	2 Rel-5 CR 32.111-4 (Fault Management; Alarm IRP: CMIP Solution Set) : Additions of notification notifyAlarmAlignmentEnd / missing parts for the support of security alarms	SA WG5	7.5.3	Approval		Approved
SP-030628	2 Rel-6 CR 32.111-2/3 (Fault Management; Alarm IRP: Information Service / CORBA Solution Set) : Remove references to GSM 12.11	SA WG5	7.5.3	Approval		Approved
SP-030629	3 Rel-6 CR 32.111-2/3/4 (Fault Management; Alarm IRP: Information Service / CORBA/CMIP Solution Sets) : RemoveAlignment of the operation getAlarmList with the notification notifyAlarmListRebuilt	SA WG5	7.5.3	Approval		Approved
SP-030630	6 Rel-4/5/6 CR 32.602/612/662 (Basic/Bulk/Kernel Configuration Management IRP: Information service) : Correction of System Context	SA WG5	7.5.3	Approval		Approved
SP-030631	Rel-6 CR 32.111-1 (Fault Management: Requirements) : Retrieval of alarm history information	SA WG5	7.5.3	Approval		Approved
SP-030632	New Rel-6 TS 32.351 (Communication Surveillance IRP: Requirements) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030633	New Rel-6 TS 32.352 (Communication Surveillance IRP: Information Service) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030634	New Rel-6 TS 32.361 (Entry Point IRP: Requirements) - for Approval	SA WG5	7.5.3	Approval		Approved. Under TSG SA Change cpntrol as version 6.0.0 (Rel-6)
SP-030635	New Rel-6 TS 32.362 (Entry Point IRP: Information Service) - for Approval	SA WG5	7.5.3	Approval		Approved. Under TSG SA Change cpntrol as version 6.0.0 (Rel-6)
SP-030636	New Rel-6 TS 32.363 (Entry Point IRP: CORBA Solution Set) - for Approval	SA WG5	7.5.3	Approval		Approved. Under TSG SA Change cpntrol as version 6.0.0 (Rel-6)
SP-030637	New Rel-6 TS 32.342 (File Transfer IRP: Information Service) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030638	New Rel-6 TS 32.331 (Notification Log IRP: Requirements) - for Information	SA WG5	7.5.3	Information		Noted. Comments to be provided to SA WG5.
SP-030639	2 Rel-4/5 CR 32.311 (Generic IRP management; Requirements) : Correction of Scope, Foreword and definitions	SA WG5	7.5.3	Approval		Approved
SP-030640	2 Rel-4/5 CR 32.312 (Generic IRP management; Information Service) : Corrections and clarifications – alignment with 32.102 and 32.311	SA WG5	7.5.3	Approval		Approved
SP-030641	2 Rel-5 CR 32.642/652 (UTRAN/ GERAN network resources IRP NRM) : Add missing notification notifyPotentialFaultyAlarmList	SA WG5	7.5.3	Approval		Approved
SP-030642	4 Rel-5 CR 32.624/34/44/54 (CM; Generic/Core/UTRAN/GERAN network resources IRP: CMIP Solution Sets) : Remove notifications from MOC managedFunction to align with IS	SA WG5	7.5.3	Approval		Approved
SP-030643	4 Rel-5 CR 32.622/32/42/52 (CM; Generic/Core/UTRAN/GERAN network resources IRP: Network Resource Model) : Add Missing / Remove Redundant VsDataContainer	SA WG5	7.5.3	Approval		Approved
SP-030644	Rel-5 CR 32.622 (CM; Generic network resources IRP: Network Resource Model) : UML diagram and other corrections	SA WG5	7.5.3	Approval		Approved

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SP-030645	2 Rel-5/6 CR 32.403 (PM; Performance measurements - UMTS and combined UMTS/GSM) : Correction of terms used for subcounter definitions	SA WG5	7.5.3	Approval		Approved
SP-030646	10 Rel-4/5 CR 32.642/3/4/5, 32.655, 32.615 (UTRAN/GERAN network resources IRP, Bulk CM IRP) : Increase possible number of URAs from 1 to 8	SA WG5	7.5.3	Approval		Approved
SP-030647	Rel-6 CR 32.401 (Performance Management; Concept and requirements) : Requirements for measurement job overload management	SA WG5	7.5.3	Approval	SP-030755	Revised in SP-030755
SP-030648	3 Rel-6 CR 32.622/23/25 (CM; Generic network resources IRP: NRM/ CORBA SS/ Bulk CM XML file format definition) : Add SetofMcc in SubNetwork	SA WG5	7.5.3	Approval		Approved
SP-030649	Rel-6 CR 32.411 (Performance Management IRP: Requirements) : PM IRP Compliance	SA WG5	7.5.3	Approval		Approved
SP-030650	New Rel-6 TS 32.412 (Performance Management IRP: Information Service) - for Approval	SA WG5	7.5.3	Approval		Approved. Under TSG SA Change cpntrol as version 6.0.0 (Rel-6)
SP-030651	Report of SA2 status	SA WG2	7.2.1	Information	SP-030731	Revised in SP-030731
SP-030652	CR On 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-030653	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030654	CRs On 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved
SP-030655	CR On 23.195 (Early UE handling)	SA WG2	7.2.3	Approval		Approved
SP-030656	CRs On 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		
SP-030657	WITHDRAWN -- CRs On 23.221 (Architecture Requirements)	SA WG2	7.2.3	Withdrawn		WITHDRAWN
SP-030658	CRs On 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		CRs 367 and 362 revised in SP-030778. Other CRs approved
SP-030659	CRs On 23.240 (GUP stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030660	CRs On 23.246 (MBMS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030661	CRs On 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval	SP-030757	Revised in SP-030757
SP-030662	Updated WID on "Bandwidth and Resource savings and Speech enhancements for CS networks"	SA WG2	7.2.3	Approval		Approved
SP-030663	TR 23.877 v.1.0.0 on "Speech Enabled Services" for information	SA WG2	7.2.3	Information		Noted. Members asked to check the draft and comment to SA2
SP-030664	LS (from SA WG2) to TSG SA on further proceeding on approval of TS 23.234 on 3GPP-WLAN Interworking	SA WG2	7.2.3	Action		Draft TS 23.234 attached. Draft not approved. SA2 to take GSMA input and further develop TS for approval at SA#23
SP-030665	LS (from SA WG2) on updates of the Work Plan	SA WG2	7.2.2	Action		Covered by updated Work Plan. Noted
SP-030666	LS from SA WG2: Input for "Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC"	SA WG2	7.2.2	Action		Response in SP-030780
SP-030667	LS from SA WG2: Pending Decision on A Interface Functionality for Early UE handling	SA WG2	7.2.2	Action		Noted
SP-030668	LS from SA WG2: Further development of TR 23.825, IP Flow Based Charging	SA WG2	7.2.2	Action		S2 to create a TS and update WID
SP-030669	LS (from SA WG2) on Serving network identity from SGSN to GGSN	SA WG2	7.2.3	Action		Attached CRs rejected
SP-030670	Summary of e-mail discussion on organisation of charging work	Lucent Technologies	8.9	Information		Noted. Report of discussions in SP-030784
SP-030671	TSG S4 Status Report at TSG-SA#22	SA WG4 Chairman	7.4.1	Information		Noted

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SP-030672	3GPP TS 26.244 Transparent end-to-end packet switched streaming service (PSS);"3GPP file format (3GP)" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Members asked to check the draft and comment to SA4
SP-030673	3GPP TS 26.246 Transparent end-to-end packet switched streaming service (PSS);"3GPP SMIL Language Profile" Version 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. Members asked to check the draft and comment to SA4
SP-030674	Updated Work Item Description on Definition of MBMS user services, media codecs, formats and transport/application protocols using Multimedia Broadcast/Multicast Service (MBMS) (Release 6)	SA WG4	7.43	Approval		Approved.
SP-030675	PSS/MMS Audio Codec and Extended AMR-WB, Selection Rules Version 2.0	SA WG4	7.4.3	Approval		Approved
SP-030676	3G PS conversation tests (AMR NB and AMR WB) : Report from FT R&D for Host Lab and Subjective Testing Lab functions	SA WG4	7.4.3	Approval		Approved
SP-030677	3G PS conversation tests (AMR NB and AMR WB) : Report from NTT-AT for Subjective Testing Lab function	SA WG4	7.4.3	Approval		Approved
SP-030678	3G PS conversation tests (AMR NB and AMR WB) : Report from ARCON for Subjective Testing Lab function	SA WG4	7.4.3	Approval		Approved
SP-030679	Test plan for 3G packet switched conversation tests - Phase 2: Comparison of quality offered by different speech coders	SA WG4	7.4.3	Approval		Approved
SP-030680	Test plan for 3G packet switched conversation tests: Global Analysis of Phase 1 & Phase 2 Conversation Test results	SA WG4	7.4.3	Approval		Approved
SP-030681	CR 26.104 029 rev 1 Correction on the implementation of the interface of decoder.c (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030682	CR 26.104 030 rev 1 Correction on the default behaviour of the unix makefile (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-030683	Presentation of SA1 to SA #22	SA WG1 Chairman	7.1.1	Information	SP-030771	PDF version corrected in SP-030771
SP-030684	Status report of SA1 to SA #22	SA WG1 Chairman	7.1.1	Information		Noted
SP-030685	CRs to 22.038 on alignment with the specifications TS 11.14 and TS 31.111 (R99, Rel-4, Rel-5, Rel-6)	SA WG1	7.1.1	Information		Approved
SP-030686	CRs to 22.115 on CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point (R99, Rel-4, Rel-5)	SA WG1	7.1.1	Information		Approved - Rel-99 is Cat F
SP-030687	CR to 22.101 on Clarification of emergency call requirements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030688	CRs to 22.038 on Enabling Cell Broadcast Bearer for USAT application while connected to UTRAN networks (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030689	CRs to 22.140 on MMS targetting UE elements and UICC interaction with MMS clients (Rel-6)	SA WG1	7.1.3	Approval	SP-030772, SP-030773	22.140 CR039 approved. 22.138 CR016 revised in SP-030772. 22.140 CR040 earlier release CRs to be investigated
SP-030690	CRs to 22.071 on Removal of misleading and obsolete text (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030691	CR to 22.071 on Removal of change of area event (Rel-5)	SA WG1	7.1.3	Approval		Approved
SP-030692	CRs to 22.078 on CLIR/CLIP interaction with CSE initiated calls (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved. In future, comments fields not to be added to unclanged text of CRs

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SP-030693	CRs to 22.078 on Allowing CSE to suppress terminating CAMEL handling on new leg in existing call (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030694	CRs to 21.905 on various subjects (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030695	CR to 22.011 on Administrative restriction of subscribers' access (Rel-6)	SA WG1	7.1.3	Approval	SP-030774	Revised in SP-030774 to clarify roaming case
SP-030696	CRs to 22.038 on Interaction between ME and USAT applications and MMS as an additional data exchange capability for USAT (Rel-6)	SA WG1	7.1.3	Approval		Approved as Rel-7 CR
SP-030697	CRs to 22.071 on Various subjects (Rel-6)	SA WG1	7.1.3	Approval		CR 063 and CR064 Approved. Earlier Release CRs of CR064 in SP-030776. CR060 Rejected. Further development needed and impacts on St2 and St3 to be evaluated
SP-030698	CRs to 22.078 on Various subjects (Rel-6)	SA WG1	7.1.3	Approval		Approved. Discussion text not to be added in changes section of CRs in future
SP-030699	CR to 22.094 on Notification of forced erasure to initiating subscriber A (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030700	CRs to 22.101 on Automatic Device Detection and Correction of Core Network emergency call requirements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030701	CR to 22.115 on CS interconnection (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030702	CR to 22.127 on Removal of Visited Network capabilities (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030703	CR to 22.127 to Introduce High Availability requirement for OSA (Rel-6)	SA WG1	7.1.3	Approval		Postponed. CN5 to determine functionality and liaise to SA1 and SA.
SP-030704	CR to 22.129 on Service based handover/assignment (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030705	CR to 22.146 on Alignment of MBMS use cases and bit rates (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030706	CR to 22.228 on Multi terminal requirement (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030707	CRs to 22.240 on various subjects (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030708	TS 22.246 on MBMS User Services for approval (Rel-6)	SA WG1	7.1.3	Approval		Approved and under TSG SA Change Control (Rel-6)
SP-030709	TR 22.952 on Priority Service guide for approval (Rel-6)	SA WG1	7.1.3	Approval		Approved and under TSG SA Change Control (Rel-6)
SP-030710	Update of Rel 6 OSA WID	SA WG1	7.1.3	Approval		Approved
SP-030711	Update of GUP WID	SA WG1	7.1.3	Approval		Approved
SP-030712	Update of WLAN WID	SA WG1	7.1.3	Approval		Approved. May need splitting Rel-6 / Rel-7 at a later date
SP-030713	TR 23.977, Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)	SA WG2	7.2.3	Information		Noted. Members were asked to study the darft and comment to SA2
SP-030714	WITHDRAWN - TS 23.234 3GPP system WLAN interworking v.2.3.0	SA WG2	7.2.3	Information		WITHDRAWN - included in LS (SP-030664)
SP-030715	2 Rel-4/2 CR 32.642 (UTRAN network resources IRP: NRM) : Correction in attribute – Alignment with RAN3 25.433.	SA WG5	7.5.3	Approval		Approved
SP-030716	Update of 3GPP IETF Dependency table	NEC	7.8	Approval		SA5 Chairman to verify list and inform CN Chair if suitable to add

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030717	Candidates 3GPP specifications for inclusion in Art 17 list of standards	ETSI ECN&S STF 254	6.2	Discussion / Approval		Out of Scope for 3GPP. Response in SP-030749
SP-030718	TR 22.949 on Study for generalised privacy for information (Rel-6)	SA WG1	7.1.3	Information		Noted. Members were asked to study the darft and comment to SA1
SP-030719	Draft TS 33.141 version 1.0.0: Presence Service; Security (Rel-6) - for information	SA WG3	7.3.3	Information		Noted. Members were asked to study the darft and comment to SA3
SP-030720	Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-99)	Nokia	7.1.3	Approval	SP-030790	Nokia direct input CR. Agreed after off-line discussions - CR numbers allocated in SP-030790.
SP-030721	Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-4)	Nokia	7.1.3	Approval	SP-030790	Nokia direct input CR. Agreed after off-line discussions - CR numbers allocated in SP-030790.
SP-030722	Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-5)	Nokia	7.1.3	Approval	SP-030790	Nokia direct input CR. Agreed after off-line discussions - CR numbers allocated in SP-030790.
SP-030723	Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-6)	Nokia	7.1.3	Approval	SP-030790	Nokia direct input CR. Agreed after off-line discussions - CR numbers allocated in SP-030790.
SP-030724	Liaison Statement (from GSMA SerG) to 3GPP TSG SA on Video Telephony new requirement	GSMA - SerG	6.3	Action	SP-030744	Corrected version in SP-030744
SP-030725	Proposed change to report of TSG SA meeting #21	TSG SA Secretary	3	Decision		Not accepted.
SP-030726	Proposed CR to 32.005: Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007) (Rel-99)	T-Mobile	7.5.3	Approval		Related to SP-030619. Approved
SP-030727	Introduction to Draft WID on Video and Voice Service	Vodafone	4 / 7.2.3	Approval		WID updated and finalised in SP-030781
SP-030728	Draft WID on Video and Voice Service	Vodafone	4 / 7.2.3	Approval	SP-030777	Discussed and revised in SP-030777
SP-030729	Priority Services	Vodafone	7.1.3	Approval		Changes not agreed. CRs invited to TR 22.952 in order to improve the TR
SP-030730	LS (from OMA-DM) on Automatic Detection	OMA-DM	6.3	Action		SA1 and SA2 asked to consider and report any work to OMA. Noted
SP-030731	SA WG2 Report at TSG SA #22	SA WG2	7.2.1	Information		Noted
SP-030732	TSG CN Chairmans report to SA#22 (presentation slides)	TSG CN Chairman	8.1.1	Information		Noted
SP-030733	Draft meeting report from CN#22	TSG CN Secretary	8.1.1	Information		Noted
SP-030734	IETF status report	TSG CN Chairman	8.1.1	Information		Discussed and Noted
SP-030735	LS (from TSG CN) to GSM IREG (cc: TSG SA) on DNS domains used on the GRX	TSG CN	8.1.1	Information		Noted
SP-030736	WITHDRAWN - LS from GSMA 3GPP Operators Group :Request for Workshop on Evolution and Management of 3GPP specifications beyond Release 6	GSMA 3GPP Operators Group	8.9	Discussion		WITHDRAWN - Revised version in SP-030782 (update to source companies)
SP-030737	TSG GERAN Report to TSG SA#22	TSG GERAN Chairman	8.4.1	Information		Noted
SP-030738	Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-99)	Orange	4 / 7.1.3	Approval		Orange direct input CR. Orange asked to take to SA WG1.
SP-030739	Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-4)	Orange	4 / 7.1.3	Approval		Orange direct input CR. Orange asked to take to SA WG1.

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030740	Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-5)	Orange	4 / 7.1.3	Approval		Orange direct input CR. Orange asked to take to SA WG1.
SP-030741	Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-6)	Orange	4 / 7.1.3	Approval		Orange direct input CR. Orange asked to take to SA WG1.
SP-030742	Improvements to 3GPP Release Structure	Nortel Networks	9.2	Discussion		E-mail discussion run by I Sharp
SP-030743	Considerations about supporting ME solution for key management in Rel-6	TIM, Orange	7.8	Discussion / Decision		SA3 were asked to study MBMS key management.
SP-030744	Liaison Statement (from GSMA SerG) to 3GPP TSG SA on Video Telephony new requirement	GSMA - SerG	6.3	Action		Discussed with other inputs. See SP-030777
SP-030745	LS (from TSG T) to SA, SA1, SA2, SA5, T2, T3 on EP SCP on MMS as a Bearer for USAT	TSG T	7.1.3 / 8.3.2	Information		SA Noted position of TSG T. Used in discussion of CRs in SP-030689
SP-030746	LS (from TSG T) to SA cc SA1, T2 on WID Handling of private addressing schemes in MMS	TSG T	8.3.2			Forward to S1 and S3 also. S1, S2 and S3 to look at requirements and impacts on ongoing work
SP-030747	3GPP Calendar of Meetings	MCC	12	Information	SP-030785	Revised in SP-030785
SP-030748	LS from GSMA/IREG on 2G/3G subscriber distinction and roaming restriction	GSMA/IREG	6.3	Action		Related CR in SP-030695. LS noted.
SP-030749	[Draft] LS on Candidates 3GPP specifications for inclusion in Art 17 list of standards	TSG SA	6.2	Approval	SP-030758	Revised in SP-030758
SP-030750	Proposal for improving the accuracy of work planning	MCC (J. Meredith)	9.2	Discussion / Decision		Principle allowed for BBs and WTs. Features need fixed dates
SP-030751	Response to OMA on PoC (Magnus / Michele)	TSG SA	6.3	Approval	SP-030780	revised in SP-030780
SP-030752	Report from TSG RAN to TSG SA #22	TSG RAN Chairman	8.2.1	Information		Noted
SP-030753	Draft report of TSG RAN meeting #22	TSG RAN Secretary	8.2.1	Information		Noted
SP-030754	Proposed Initial submission for updated UTRA FDD and TDD toward Rev. 5 of Rec. ITU-R M.1457	TSG RAN	8.2.1	Endorsement		Endorsed by TSG SA for sending to PCG list for approval
SP-030755	Rel-6 CR 32.401 (Performance Management; Concept and requirements) : Requirements for measurement job overload management	SA WG5	7.5.3	Approval		Approved
SP-030756	2 Rel-5/6 CR 32.102 (Telecommunication management; Architecture) : Removal / Replacement of the term UMTS	SA WG5	7.5.3	Approval		Approved
SP-030757	CRs On 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval	SP-030779	CR 186 sent back to SA2. Other CRs provided again in SP-030779
SP-030758	LS on Candidates 3GPP specifications for inclusion in Art 17 list of standards	TSG SA	6.2	Approval		Approved
SP-030759	Proposed response to ETSI TISPAN (SP-030564)	Nortel Networks	6.2	Approval	SP-030770	Revised in SP-030770
SP-030760	3GPP Dependencies on OMA Deliverables	Nortel Networks	8.10	Information		Noted. WG Officials to keep list updated
SP-030761	TSG T#22 Progress Report (presentation slides)	TSG T Chairman	8.1.1	Information		Noted
SP-030762	Draft meeting report from T#22	TSG T Secretary	8.1.1	Information		Noted
SP-030763	Early UE handling	Vodafone	7.2.2	Approval		GERAN asked to check 2G-3G handover handling
SP-030764	CR to 33.203: Introducing the SIP Privacy mechanism in Stage 2 specifications (Rel-5)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030765	2 Rel-4/5 CR 32.205 (Charging data description for the CS domain) : Correction on inter-network accounting	SA WG5	7.5.3	Approval		Approved
SP-030766	LS (from 3GPP2 TSG-C) to SA WG1: Preferred Roaming List for Multi-mode Terminal	3GPP2 TSG-C	7.1.2	Information		Noted. Discussions to be held in SA1
SP-030767	Draft summary of Release 1999 features	MCC (A. Sultan)	8.6	Information		Noted
SP-030768	3GPP Work Plan, version 10th December 2003	MCC (A. Sultan)	8.6	Information		Noted
SP-030769	Review of the Work Plan at TSG Plenaries #22	MCC (A. Sultan)	8.6	Information	SP-030791	Updated with comments in SP-030791
SP-030770	Proposed response to ETSI TISPAN (SP-030564)	Nortel Networks	6.2	Approval	SP-030786	revised in SP-030786
SP-030771	Presentation of SA1 to SA #22	SA WG1 Chairman	7.1.1	Information		Noted
SP-030772	22.038 CR016R1: MMS as an additional data exchange capability for USAT	TSG SA	7.1.3	Approval		Approved
SP-030773	22.040 CR040R1: UICC interaction with MMS clients	TSG SA	7.1.3	Approval	SP-030783	Draft version revised in SP-030783
SP-030774	CR to 22.011 on Administrative restriction of subscribers' access (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030775	MCC Status report to TSG SA #22	MCC (A. Scrase)	10	Information		Noted
SP-030776	WITHDRAWN - Mirror CRs to 22.071 CR064					WITHDRAWN
SP-030777	Draft WID on Video and Voice Service	Vodafone	7.2.3	Approval	SP-030781	SA1 responsible. New WI in SP-030781
SP-030778	Revised CRs 362, 367 to 23.228 (from SP-030658)	SA WG2	7.2.3	Approval		Approved
SP-030779	CRs On 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030780	Draft Reply to LS to 3GPP on principles for overlapping issues with OMA regarding PoC	TSG SA	6.3	Approval	SP-030787	Revised in SP-030787
SP-030781	Draft WID on Circuit Switched Video and Voice Service Improvements	Vodafone	7.2.3	Approval	SP-030788	Revised in SP-030788
SP-030782	LS from various Operators: Request for Workshop on Evolution and Management of 3GPP specifications beyond Release 6	O2, AT&T Wireless Services, Rogers Wireless, T-Mobile, Vodafone, Orange and Telecom Italia Mobile	8.9	Discussion		E-mail discussion run by I Sharp
SP-030783	22.040 CR040R2: UICC interaction with MMS clients	TSG SA	7.1.3	Approval		Approved (CR040R2)
SP-030784	Proposals on organisation of charging work	Lucent Technologies, Siemens AG, Motorola, T-Mobile, Nortel, Alcatel	8.1.1	Decision		SA5 dealing with liaison and possible joint meetings. Noted.
SP-030785	3GPP Calendar of Meetings	MCC	12	Information		Noted
SP-030786	Proposed response to ETSI TISPAN (SP-030564)	Nortel Networks	6.2	Approval		Approved
SP-030787	Reply to LS to 3GPP on principles for overlapping issues with OMA regarding PoC	TSG SA	6.3	Approval		Approved
SP-030788	WID on Circuit Switched Video and Voice Service Improvements	Vodafone	7.2.3	Approval		Approved
SP-030789	Draft LS (from OMA TP Leadership) to 3GPP and 3GPP2 on MMS decisions	OMA TP Leadership	8.10	Information		Noted
SP-030790	CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-99, Rel-4, Rel-5, Rel-6)	Nokia	7.1.3	Approval		Approved
SP-030791	Review of the Work Plan at TSG Plenaries #22	MCC (A. Sultan)	8.6	Information		Noted

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Ms. Chelo Abarca	ALCATEL S.A.	chelo.abarca@alcatel.fr		+33 1307 70469	+33 1307 70230	3GPPMEMBER	ETSI	FR
Mr. Peter M. Adams	BT GROUP PLC	peter.m.adams@bt.com	+44 7802 471 234	+44 1473 34 8447	+44 1473 34 8598	3GPPMEMBER	ETSI	GB
Mr. Ramin Afchar	VODAFONE GROUP PLC	ramin.afchar@vodafone.com	+49 172 2419653	+49 211 820-2041	+49 211 820-1707	3GPPMEMBER	ETSI	GB
Mr. Niels Peter Skov Andersen	MOTOROLA A/S	NPA001@MOTOROLA.COM	+45 4018 4793	+45 43 48 81 10	+45 43 48 80 01	3GPPMEMBER	ETSI	DK
Mr. Alastair Angwin	IBM EUROPE	angwin@uk.ibm.com		+44-7703-128131	+44-1962-819777	3GPPMEMBER	ETSI	DE
Dr. Arun Arunachalam	SKYWORKS SOLUTIONS INC.	arun.arunachalam@skyworksinc.com		+1 949 231 3855	+1 949 231 3800	3GPPMEMBER	T1	US
Mr. David Barnes	DTI	david@barnesdavid.com	+44 77 85 316 985	+44 1227 721797	+44 1634 572 360	3GPPMEMBER	ETSI	GB
Mr. Nigel Barnes	MOTOROLA LTD	Nigel.Barnes@motorola.com	+44 7785 31 86 31	+44 1 256 790 169	+44 1 256 790 190	3GPPMEMBER	ETSI	GB
Mr. Patrice Beaudou	AXALTO, SCHLUMBERGER SYSTÈMES	PBeaudou@axalto.com	+33 6 20 39 36 80	+33 1 46 00 70 83	+33 1 46 00 59 31	3GPPMEMBER	ETSI	FR
Mr. Rob Bennink	KPN N.V.	r.bennink@kpn.com		+31 70 343 7105	+31 70 343 7237	3GPPMEMBER	ETSI	NL
Mr. Balazs Bertenyi	NOKIA CORPORATION	balazs.bertenyi@nokia.com		+3612163984	+3612163984	3GPPMEMBER	ETSI	FI
Ms. Brye Bonner	MOTOROLA S.A.S	brye.bonner@motorola.com		+1 847.576.5920	+1.847.538.5564	3GPPMEMBER	ETSI	FR
Mr. Richard Brook	SAMSUNG ELECTRONICS	richardbrook39@aol.com	+44 7776 181555	+44 7776 181555	+44 1784 428629	3GPPMEMBER	ETSI	GB
Mr. Clifton Campbell	CINGULAR WIRELESS LLC	clif.campbell@cingular.com		+1 404 236 5900	+1 236 5949	3GPPMEMBER	T1	US
Mr. Paul Carpenter	RESEARCH IN MOTION LIMITED	pcarpenter@rim.net		+44 7736 961131	+44 1784 477 455	3GPPMEMBER	ETSI	CA
Mr. Mark Cataldo	OPENWAVE SYSTEMS (N.I.) LTD	mark.cataldo@openwave.com	+44 777 55 8 22 88	+44 23 8076 8130	+44 23 8076 8130	3GPPMEMBER	ETSI	GB
Mr. Wooyong Choi	SK TELECOM	wychoi@sktelecom.com		+82-11-293-4561	+82-31-710-5299	3GPPMEMBER	TTA	KR
Ms. KiHo Chung	SAMSUNG ELECTRONICS CO., LTD	khchung@samsung.com		+82-31-279 5097	+82-31-279-5130	3GPPMEMBER	TTA	KR
Mr. Michael Clayton	ETSI SECRETARIAT	michael.clayton@etsi.org	+33 6 74 40 83 68	+33 4 92 94 42 28	+33 4 92 38 5215	3GPPORG_REP	ETSI	FR
Dr. Pascal Correc	CEGETEL	pascal.correc@cegetel.fr		+33 1 71 07 71 44	+33 1 71 08 33 24	3GPPMEMBER	ETSI	FR
Mr. François Courau	ALCATEL S.A.	francois.courau@alcatel.fr	+33 608 82 20 22	+33 6 08 82 20 22	+33 1 30 77 34 99	3GPPMEMBER	ETSI	FR
Dr. Elizabeth Daniel	LUCENT TECHNOLOGIES N. S. UK	lizdaniel@lucent.com	+44 7880 78 66 88	+44 1793 883412	+44 1793 897414	3GPPMEMBER	ETSI	GB
Mr. Jean-Jacques Davidian	DOCOMO EUROPE S.A.	davidian@docomo.fr		+33 1 5688 3030	+33 1 5688 3045	3GPPMEMBER	ETSI	FR
Mr. Maurizio de Gregorio	TELECOM ITALIA S.P.A.	madegregorio@mail.tim.it		+39 06 3900 9448	+39 06 3900 9033	3GPPMEMBER	ETSI	IT
Mr. Janusz Dobrowolski	STATESOFT	januszdobrowolski@statesoft.org		+1 630 747 8989	+1 630 462 9510	3GPPGUEST		US
Mr. Ian Doig	MOTOROLA S.A.S	ian.doig@motorola.com	+33 6 11 16 88 06	+33 4 92 94 48 64	+33 4 93 95 80 52	3GPPMEMBER	ETSI	FR
Dr. Ulrich Dropmann	SIEMENS AG	ulrich.dropmann@siemens.com	+49 173 358 6241	+49 89 636 75214	+49 89 636 75577	3GPPMEMBER	ETSI	DE
Mr. Ed Ehrlich	NOKIA TELECOMMUNICATIONS INC.	ed.ehrlich@nokia.com	+1 214 707 0812	+1 972 894 4495	+1 972 894 5525	3GPPMEMBER	T1	US
Mr. Jan Elling	DANSK MOBILTELEFON I/S	jae@sonofon.dk		+45 72127246	+45 72127070	3GPPMEMBER	ETSI	DK
Mr. Jan Ellsberger	ERICSSON KOREA	jan.ellsberger@ericsson.com		+46 8 508 77965	+46 8 508 77 300	3GPPMEMBER	TTA	KR
Mr. Denis Fauconnier	NORTEL NETWORKS (EUROPE)	dfauconn@nortelnetworks.com	+33 06 64 04 35 29	+33 1 39 44 52 87	+33 1 39 44 50 12	3GPPMEMBER	ETSI	GB
Mr. Eisuke Fukuda	FUJITSU LIMITED	efukuda@jp.fujitsu.com		+81 44 754 8511	+81 44 754 8540	3GPPMEMBER	ARIB	JP
Mr. Kenji Furukawa	NTT DOCOMO INC.	furukawa@nttdocomo.co.jp		+81 3 5156 1747	+81 3 5156 0232	3GPPMEMBER	ARIB	JP
Mr. Yukitsuna Furuya	NEC CORPORATION	y-furuya@bl.jp.nec.com		+81-3-3798-5235	+81-3-3798-8957	3GPPMEMBER	ARIB	JP

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. James Garrahan	TELCORDIA TECHNOLOGIES INC.	jgarraha@telcordia.com		+1 732 758 5227	+1 732 758 4450	3GPPMEMBER	T1	US
Mr. Marc Grant	CINGULAR WIRELESS LLC	marc.grant@cingular.com	+1 512 922 8716	+1 512 372 5834	+1 512 372 5891	3GPPMEMBER	T1	US
Mr. Steven Gregory	INTEL CORPORATION S.A.	steven.gregory@intel.com		+1 403 516 8027	+1 403 516 8008	3GPPWITHDRAW	ETSI	BE
Mr. Cesar Gutierrez Miguelez	ETSI SECRETARIAT	cesar.gutierrez@etsi.org	+33 6 74 40 83 74	+33 4 92 94 43 21		3GPPORG_REP	ETSI	FR
Mr. Markus Hakaste	NOKIA CORPORATION	markus.hakaste@nokia.com	+358 40 580 8968	+358 7180 36419	+358 7180 30040	3GPPMEMBER	ETSI	FI
Mr. Gerfried Handke	UNISYS DEUTSCHLAND GMBH	gerfried.handke@de.unisys.com		+49 6196 99-1480	+49 69 255 77 369	3GPPMEMBER	ETSI	DE
Mr. Magnus Hartman	NORTHSTREAM AB	magnus.hartman@northstream.se		+46 706475551	+46 8754 00 02	3GPPMEMBER	ETSI	SE
Mr. Stephen Hayes	ERICSSON INC.	stephen.hayes@ericsson.com	+1 469 360 8500	+1 972 583 5773	+1 801 409 6319	3GPPMEMBER	T1	US
Mr. Wolfgang Heidrich	BMWI	wolfgang.heidrich@regtp.de	+49 171 227 2500	+49 6131 182 000	+49 6131 185 605	3GPPMEMBER	ETSI	DE
Mr. Frédéric Heurtaux	SAGEM GROUP	frederic.heurtaux@sagem.com		+33 1 30 73 71 89	+33 1 34 22 11 13	3GPPMEMBER	ETSI	FR
Mr. Ludwig Hiebinger	SIEMENS AG	ludwig.hiebinger@siemens.com		+49 89 636 75213	+49 89 636 75577	3GPPMEMBER	ETSI	DE
Mr. Kevin Holley	MMO2 PLC	kevin.holley@o2.com	+44 7802 220811	+44 1473 782214	+44 7711 752031	3GPPMEMBER	ETSI	GB
Mr. Andrew Howell	MOTOROLA GMBH	andrew.howell@motorola.com	+44 77 85 363 850	+44 1452 623967	+44 1256 790 190	3GPPMEMBER	ETSI	DE
Mr. Eric Huberlant	ORANGE SA	eric.huberlant@francetelecom.com		+33 1 45 29 52 83	+33 1 45 29 43 99	3GPPMEMBER	ETSI	FR
Mrs. Dorota Inkielman	PTK CENTERTEL	dorota.inkielman@centertel.pl	+48 501 200 075	+48 22 594 7583	+48 22 594 7586	3GPPMEMBER	ETSI	PL
Mr. Yoshihide Ishida	ARIB	ishida@arib.or.jp		+813 5510 8594	+813 3592 1103	3GPPORG_REP	ARIB	JP
Dr. Yeong Min Jang	ETRI	yjang@kookmin.ac.kr		+82 2 910 4827	+82 2 910 4449	3GPPMEMBER	TTA	KR
Mr. Kari Järvinen	NOKIA CORPORATION	kari.ju.jarvinen@nokia.com	+358 50 555 0999	+358 71803 5854	+358 7180 35888	3GPPMEMBER	ETSI	FI
Mr. Gary Jones	T-MOBILE USA INC.	gary.jones@t-mobile.com	+1 201486 0949	+1 202.654.5950	+1 202 654 5963	3GPPMEMBER	T1	US
Mr. Mikko Kanerva	NOKIA CORPORATION	mikko.j.kanerva@nokia.com	+358 40 504 0735	+358 40 504 0735	+358 7180 30040	3GPPMEMBER	ETSI	FI
Mr. Mike Karimian	PANASONIC (MMCDE)	mkarimian@panasonicatlanta.com		+1 770-338-6246	+1 770-338-6238	3GPPMEMBER	ETSI	GB
Mr. Yukio Kawanami	NEC CORPORATION	kawanami@cj.jp.nec.com		+81 471 85 7158	+81 471 85 7908	3GPPMEMBER	ARIB	JP
Dr. Young Kyun Kim	SAMSUNG ELECTRONICS CO., LTD	youngkyun@telecom.samsung.co.kr		+82 342 779 8400	+82 342 779 8409	3GPPMEMBER	TTA	KR
Ms. Susanna Kooistra	ETSI SECRETARIAT	susanna.kooistra@etsi.org		+33 4 92 94 49 35	+33 4 92 38 52 83	3GPPORG_REP	ETSI	FR
Mr. Takashi Koshimizu	NTT DOCOMO	koshimizu@docomolab-euro.com		+4989-56824-107	+4989-5898-8460	3GPPMEMBER	ETSI	JP
Mr. Jean-François Labal	LG ELECTRONICS INC.	jflabal@lge.com	+33 6 85 19 28 09	+33 1 48 17 71 51	+33 1 48 17 71 53	3GPPMEMBER	TTA	KR
Mr. Bengt-Ake Lindholm	TELIASONERA AB	bengt-ake.lindholm@teliasonera.com		+46 8 6011700		3GPPMEMBER	ETSI	SE
Miss Jia Liu	CHINA MOBILE COM. CORPORATION	liujia@chinamobile.com		+86-10-66006688-3052	+86-10-63600340	3GPPMEMBER	CCSA	CN
Mr. Philippe Lucas	ORANGE SA	ph.lucas@orangefrance.com	+33 6 85 93 34 29	+33 1 55 22 56 86	+33 1 55 22 10 41	3GPPMEMBER	ETSI	FR
Dr. Hashem Madadi	3	hmadadi@attglobal.net	+44 777 332 9576	+44.1628.765.000	+44.1628.765.001	3GPPMEMBER	ETSI	GB
Miss Luisa Marchetto	AT&T WIRELESS SERVICES, INC.	luisa.marchetto@attws.com		+1 425 580 6840		3GPPMEMBER	T1	US
Mr. Kari Marttinen	TELIASONERA AB	kari.marttinen@teliasonera.com	+358400400068	+358204066816	+358420400068	3GPPMEMBER	ETSI	SE
Mr. Steve Mecrow	MMO2 PLC	steve.mecrow@o2.com	+44 7710 028 511	+44 1 394 380694	+44 1 977 593823	3GPPMEMBER	ETSI	GB
Mr. John M Meredith	ETSI SECRETARIAT	john.meredith@etsi.org	+33 (0)6 10 42 03 76	+33 4 92 94 42 37	+33 (0)4 92 38 52 37	3GPPORG_REP	ETSI	FR
Mr. Jürgen Merkel	SIEMENS AG	juergen.merkel@siemens.com	+49 160 88 34732	+49 89 636 75212		3GPPMEMBER	ETSI	DE
Dr. Juergen Meyer	SIEMENS AG	jnmeyer@siemens.com	+49 172 8662080	+49 89 722 42545	+49 89 722 37078	3GPPMEMBER	ETSI	DE
Mr. Michael Meyer	GIESECKE & DEVRIENT GMBH	michael.meyer@de.gi-de.com	+49 171 862 4115	+49 89 4119 1307	+49 89 4119 2118	3GPPMEMBER	ETSI	DE
Mr. Mark Montz	HEWLETT-PACKARD	mark.montz@hp.com		+1 402 384 7283	+1 402 384 7050	3GPPMEMBER	ETSI	FR
Mr. Hiroshi Nakamura	NTT DOCOMO INC.	naka@netlab.nttdocomo.co.jp		+81 46 840 3970	+81 46 840 3723	3GPPMEMBER	TTC	JP
Ms. Antonella Napolitano	TELECOM ITALIA S.P.A.	annapolitano@mail.tim.it		+39 0639004405	+390639004316	3GPPMEMBER	ETSI	IT
Dr. Adrian Neal	VODAFONE LTD	adrian.neal@gb.vodafone.co.uk	+44 7919555744	+44 1635685834	+44 1635686483	3GPPMEMBER	ETSI	GB
Mr. Klaus Nieminen	FICORA	klaus.nieminen@ficora.fi		+358 9 6966 634	+358 9 6966 873	3GPPMEMBER	ETSI	FI
Mr. Akishige Noda	FUJITSU LIMITED	aki.noda@jp.fujitsu.com		+81 44 75 85 11	+81 44 754 8540	3GPPMEMBER	TTC	JP
Mr. Peter Oldfield	ROGERS WIRELESS INC.	poldfiel@rci.rogers.com		+4169356030	+4169357502	3GPPMEMBER	T1	CA

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Magnus Olsson	NIPPON ERICSSON K.K.	magnus.m.olsson@ericsson.com	+46 70 576 1918	+46 8 585 31454		3GPPMEMBER	ARIB	JP
Dr. Sang-Keun Park	SAMSUNG ELECTRONICS CO., LTD	skpark@samsung.com	+82-11-349-6535	+82-31-279-5300	+82-31-279-5265	3GPPMEMBER	TTA	KR
Mr. Thomas Picard	ALCATEL S.A.	thomas.picard@alcatel.fr	+33 6 08 45 57 16	+33 1 55 66 34 09	+33 1 55 66 44 50	3GPPMEMBER	ETSI	FR
Mr. Hannu Pirila	NOKIA KOREA	hannu.i.pirila@nokia.com		+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	TTA	KR
Mr. Magnus Qvarnström	SWISSCOM	magnus.qvarnstroem@swisscom.com		+41 31 342 1111	+41 31 892 36 62	3GPPMEMBER	ETSI	CH
Mr. Jean Gabriel Remy	CEGETEL	jean-gabriel.remy@cegetel.fr	+33 60 97 11 199	+33 1 71 77 93 22	+33 1 71 77 93 25	3GPPMEMBER	ETSI	FR
Mr. Friedhelm Rodermund	ETSI SECRETARIAT	friedhelm.rodermund@etsi.org	+33 6 74 40 83 75	+33 4 92 94 43 24	+33 4 92 38 52 34	3GPPORG_REP	ETSI	FR
Mr. Hiroshi Saito	PANASONIC MOBILE COMM.	Saito.Hiro@jp.panasonic.com		+81 468 40 5440	+81 468 40 5183	3GPPMEMBER	ARIB	JP
Mr. Takashi Saito	ARIB	saito@arib.or.jp		+81-5510-8594	+81-3-3592-1103	3GPPORG_REP	ARIB	JP
Mr. Nick Sampson	ORANGE PCS LTD	nick.sampson@orange.co.uk	+44 7973 963 519	+44 7973 963519	+44 7973 987883	3GPPWITHDRAW	ETSI	GB
Dr. Gary Schlanger	AT&T WIRELESS SERVICES, INC.	gschlanger@comcast.net	+1 973 454 7230	+1-973-454-7230	+1-603-676-9637	3GPPMEMBER	T1	US
Mr. Adrian Scrase	ETSI SECRETARIAT	adrian.scrase@etsi.org	06 07 590 851	+33 4 92 94 42 54	+33 4 92 38 52 54	3GPPORG_REP	ETSI	FR
Mr. Iain Sharp	NORTEL NETWORKS (EUROPE)	isharp@nortelnetworks.com		+44 1628 43 42 87	+441628437310	3GPPMEMBER	ETSI	GB
Ms. Pilar Sierra	TELEFONICA DE ESPAÑA S.A.	sierra_p@tsm.es		+34 609002225	+34 680017957	3GPPMEMBER	ETSI	ES
Mr. Paul Simmons	NORTEL NETWORKS	simmonsp@nortelnetworks.com	+33 6 6404 38 68	+33 1 39 44 55 95	+33 1 39 44 52 52	3GPPMEMBER	T1	US
Mr. Prem Sood	SHARP CORPORATION	pls@sharplabs.com		+1 360 834 8708	+1 360 834 8696	3GPPMEMBER	ARIB	JP
Mr. Sajid Soormally	ALCATEL S.A.	sajid.soormally@alcatel.fr		+33 (0)1 3077 9894	+33 (0)1 3077 2464	3GPPMEMBER	ETSI	FR
Mr. Alain Sultan	ETSI SECRETARIAT	alain.sultan@etsi.org		+33 4 92 94 42 71	+33 4 93 65 28 17	3GPPORG_REP	ETSI	FR
Ms. Xiaoyan Sun	UTSTARCOM	gloria.sun@utstar.com		+86 755 26952899	+86 755 26983967	3GPPMEMBER	ETSI	US
Mr. Bryan Taylor	RESEARCH IN MOTION LIMITED	btaylor@rim.net	+1 519 721 0123	+1 519 8887465 x2245	+1 519 888 6727	3GPPMEMBER	ETSI	CA
Mr. Armin Toepfer	VODAFONE D2 GMBH	Armin.Toepfer@vodafone.com	+49 172 2100748	+49 211 533 2838	+49 211 533 2804	3GPPMEMBER	ETSI	DE
Ms. Jean Trakinat	NATIONAL COMMUNICATIONS SYSTEM	trakinaj@ncs.gov		+1-703-607-6113	+1-703-607-4830	3GPPMEMBER	ETSI	US
Mr. Michael Truss	MOTOROLA LTD	Michael.Truss@motorola.com		+353 21 4511 327	+353 21 4357 635	3GPPMEMBER	ETSI	GB
Mr. Paolino Usai	ETSI SECRETARIAT	paolo.usai@etsi.org	+336 74 40 83 73	+33 4 92 94 42 36	+33 4 92 38 52 06	3GPPORG_REP	ETSI	FR
Mr. Hans van der Veen	NEC EUROPE LTD	Hans.vanderVeen@ccrle.nec.de	+49 (0)163 275 17 16	+49 (0)6221 905 1135	+49 (0)6221 905 1155	3GPPMEMBER	ETSI	GB
Mr. Veijo Vanttinen	MICROCELL SA	veijo.vanttinen@microcell.fi		+358 50 3731514	+358 30 6224481	3GPPGUEST	OTHER	CH
Mr. Alexander Vesely	SIEMENS NV/SA	alexander.vesely@siemens.com	+43 676 379 2624	+43 5 1707 21318	+43 5 1707 51924	3GPPMEMBER	ETSI	BE
Mr. Paul Voskar	NOKIA UK LTD	paul.voskar@nokia.com	+44 7771 980 062	+44 1252 867430	+44 1252 865693	3GPPMEMBER	ETSI	GB
Mrs. Wei (Victoria) Wang	NANJING ERICSSON PANDA COM LTD	victoria.wang@ericsson.com		+861065615566-10393	+861065611824	3GPPMEMBER	CCSA	CN
Miss Yanhong Wang	HUAWEI TECHNOLOGIES CO., LTD	Wangyanhong@huawei.com		+86-21-68644808	+86-21-50470076	3GPPMEMBER	CCSA	CN
Mr. Kunio Watanabe	FUJITSU LIMITED	kunio.watanabe@jp.fujitsu.com		+81 44 754 2617	+81 44 754 2646	3GPPMEMBER	ARIB	JP
Mr. Anthony Wiener	T-MOBILE (UK)	tony.wiener@t-mobile.co.uk		+44 1707 31 2290	+44 1707 31 9006	3GPPMEMBER	ETSI	GB
Dr. David Hugh Williams	QUALCOMM EUROPE S.A.R.L.	dwilliams@qualcomm.com	+33 6 61 26 83 69	+34 676888947		3GPPMEMBER	ETSI	FR
Dr. Masami Yabusaki	NTT DOCOMO INC.	yabusaki@nwmg.yrp.nttdocomo.co.jp		+81 90 32 08 57 42		3GPPMEMBER	TTC	JP
Dr. Raziq Yaqub	TOSHIBA CORPORATION	ryaqub@tari.toshiba.com	+1-908-319-8422	+1 973 829 2103	+1-973-829-5601	3GPPMEMBER	ARIB	JP
Mr. Hyuk Yi	LG ELECTRONICS INC.	lsummit@lge.com		+82 31 450 2061	+82 31 450 2944	3GPPMEMBER	TTA	KR
Mr. Do-Hyon Yim	SAMSUNG ELECTRONICS CO., LTD	ydhyon@samsung.com		+82-31-279-5307	+82-31-279-5515	3GPPMEMBER	TTA	KR
Mr. Sang-Ui Yoon	ETSI SECRETARIAT	Sang-Ui.Yoon@etsi.org		+33 4 92 94 42 97	+33 4 92 38 52 93	3GPPORG_REP	ETSI	FR
Mr. Yukio Yoshimura	NEC CORPORATION	y-yoshimura@ax.jp.nec.com		+81-45-939-6308	+81-45-939-2179	3GPPMEMBER	ARIB	JP

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Keiji Yoshino	TTC	yoshino@ttc.or.jp		+81 3 3432 1551	+81 3 3432 1553	3GPPORG_REP	TTC	JP
Mr. Michele Zarri	T-MOBILE (UK)	michele.zarri@t-mobile.co.uk	+44 79 3200 2114	+44 79 3200 2114	+44 170 73 16009	3GPPMEMBER	ETSI	GB
Mr. Donald E. Zelmer	CINGULAR WIRELESS LLC	don.zelmer@cingular.com	+1 704 737 9950	+1 404 236 5912	+1 404 236 5968	3GPPMEMBER	T1	US
Mr. Wenlin Zhang	HUAWEI TECHNOLOGIES CO., LTD	zhangwenlin@huawei.com		+86 82882753	+86 82882940	3GPPMEMBER	CCSA	CN
Mr. Adrian Zoicas	ETSI SECRETARIAT	adrian.zoicas@etsi.org	+33 6 74 40 83 72	+33 4 92 94 42 21	+33 4 92 38 52 21	3GPPORG_REP	ETSI	FR

122 Participants

C.2   List of eligible Voting members for TSG SA#23

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #20 or #19 (representation of an Individual Member at any of TSG SA Meetings #20, #21 or #22).

Voting list for 3GPP TSG SA **(Technical Specification Group - Services and System Aspects)** List Created on: 09 January 2004	
This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #22** Inclusion on the list is obtained by attending a meeting of **TSG SA** A company is removed from this list if it is not represented at any of the 3 previous meetings of this group. If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.org	

Organisation Name	Organisation Status	Country
3	3GPPMEMBER - ETSI	GB
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
Axalto, Schlumberger Systèmes	3GPPMEMBER - ETSI	FR
BMWi	3GPPMEMBER - ETSI	DE
BT Group Plc	3GPPMEMBER - ETSI	GB
CEGETEL	3GPPMEMBER - ETSI	FR
CETECOM GmbH	3GPPMEMBER - ETSI	DE
China Mobile Com. Corporation	3GPPMEMBER - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Coding Technologies	3GPPMEMBER - ETSI	DE
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI	3GPPMEMBER - ETSI	GB
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Inc.	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
ERICSSON LM	3GPPMEMBER - ETSI	SE
ETRI	3GPPMEMBER - TTA	KR
FICORA	3GPPMEMBER - ETSI	FI
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS S.A.	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
Hewlett-Packard	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
IBM EUROPE	3GPPMEMBER - ETSI	DE
KPN N.V.	3GPPMEMBER - ETSI	NL
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies N. S. UK	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MELCO MOBILE COMMUNICATIONS	3GPPMEMBER - ETSI	FR
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
Nanjing Ericsson Panda Com Ltd	3GPPMEMBER - CCSA	CN
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC Electronics (Europe) GmbH	3GPPMEMBER - ETSI	DE
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB
NEC Technologies (UK) LTD	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP

Organisation Name	Organisation Status	Country
Nippon Ericsson K.K.	3GPPMEMBER - TTC	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
Nokia Korea	3GPPMEMBER - TTA	KR
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NOKIA UK Ltd	3GPPMEMBER - ETSI	GB
Nortel Networks	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Northstream AB	3GPPMEMBER - ETSI	SE
NTT DoCoMo	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
NTT DoCoMo Inc.	3GPPMEMBER - TTC	JP
OFCOM	3GPPMEMBER - ETSI	CH
ÖFEG	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE SA	3GPPMEMBER - ETSI	FR
Panasonic (MMCDE)	3GPPMEMBER - ETSI	GB
Panasonic Mobile Comm.	3GPPMEMBER - ARIB	JP
PTK CENTERTEL	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research in Motion Limited	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CCSA	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics	3GPPMEMBER - ETSI	GB
Samsung Electronics Co., Ltd	3GPPMEMBER - TTA	KR
SBC Communications Inc.	3GPPMEMBER - T1	US
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS Mobile Communications	3GPPMEMBER - ETSI	IT
Siemens nv/sa	3GPPMEMBER - ETSI	BE
SK Telecom	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
Sony Ericsson Mobile	3GPPMEMBER - ARIB	JP
SWISSCOM	3GPPMEMBER - ETSI	CH
T-Mobile (UK)	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - T1	US
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
TELEFONICA de España S.A.	3GPPMEMBER - ETSI	ES
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation	3GPPMEMBER - ARIB	JP
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
UTStarcom	3GPPMEMBER - ETSI	US
VIPnet d.o.o.	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
Vodafone K.K.	3GPPMEMBER - ARIB	JP
VODAFONE LTD	3GPPMEMBER - ETSI	GB

Total: 100 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #22

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#22	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.11.1	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	
TS	03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	8.5.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.7.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.1.1	R99	G1	CARRIZO MARTINEZ, Jose Luis	2003-10-09: Converted from TR to TS.
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.11.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.3.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.3.0	R99	N1	MÜNNING, Dirk	
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.7.0	R99	S2	BROOK, Richard	
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.5.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	8.20.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.11.0	R99	G2	GARAPATY, Sonia	
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.21.0	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	
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.16.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.19.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.12.0	R99	G1	JOKINEN, Harri	
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	8.0.1	R99	G1	USAI, Paolino	
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	
TR	06.78	Results of the AMR noise suppression selection phase	8.0.1	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.15.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.10.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	8.3.0	R99	G3new	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.6.0	R99	T3	SALMERON, Lidia	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4).
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.11.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.1	R99	T3	LLOBREGAT, Fernando	
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.15.0	R99	T3	WOODSEND, Kristian	
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G1	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive	8.1.2	R99	MSG	BUSIN, Ake	Harmonized standard

D.2   Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.12.0	R99	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	3.4.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.900	Technical Specification Group working methods	3.7.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.4.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	3.4.0	R99	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	EVEN, Anne	
TS	22.101	Service aspects; Service principles	3.16.0	R99	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.4.0	R99	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	LAUMEN, Josef	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	
TS	23.002	Network architecture	3.6.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	3.14.0	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 ????

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	3.9.0	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.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	T2	HARRIS, Ian	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	
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	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.18.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.1.0	R99	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	3.10.0	R99	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.1	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.9.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.17.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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)	3.16.0	R99	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.13.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.14.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.16.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	3.13.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	3.13.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.9.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	3.13.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.11.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.16.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	3.13.0	R99	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.11.0	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.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.2.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	3.16.0	R99	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	3.17.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.7.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.17.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	GODIN, Philippe	Approval at TSG#5

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	IYER, Subramanian S.	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	MIAH, Babul	
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	MIAH, Babul	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.0	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	
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	3.14.0	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)
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.
TR	25.921	Guidelines and principles for protocol description and error handling	3.9.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	BULDORINI, Andrea	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.3.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	3.1.0	R99	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.14.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.13.0	R99	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.8.0	R99	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	
TS	29.002	Mobile Application Part (MAP) specification	3.18.0	R99	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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)	3.14.0	R99	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.11.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.11.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.18.0	R99	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	N3	WILD, Johanna	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	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (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.
TS	31.102	Characteristics of the USIM application	3.15.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	3.11.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.7.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.7.0	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 and billing; 3G call and event data for the Circuit Switched (CS) domain	3.7.0	R99	S5	ALEXANDER, Benni	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.12.0	R99	S5	ALEXANDER, Benni	
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.6.0	R99	S5	HÜBINETTE, Ulf	
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) solution set	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (IRP): Information model (including Network Resource Model NRM))	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.4.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	33.102	3G security; Security architecture	3.13.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
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
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.14.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.9.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.14.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.12.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.4.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	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	
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.3.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.5.0	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.9.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	4.1.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	23.002	Network architecture	4.8.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	4.8.0	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	4.3.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	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).
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.8.0	Rel-4	T2	HARRIS, Ian	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.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.9.0	Rel-4	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.10.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
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	
TS	23.153	Out of Band Transcoder Control; Stage 2	4.9.0	Rel-4	N4	HODGES, Phil	New after TSG#5
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.7.0	Rel-4	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	4.2.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.10.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.8.0	Rel-4	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.12.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.1	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)	4.10.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.7.0	Rel-4	R4	KOTTKAMP, Meik	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.106	UTRA repeater radio transmission and reception	4.7.0	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)	4.11.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.11.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	4.8.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	4.8.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	4.9.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.4.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.7.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	4.10.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.7.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.4.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.8.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	4.7.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.7.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.9.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.2.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	4.9.0	Rel-4	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	4.11.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.3.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.12.0	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	IYER, Subramanian S.	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	4.11.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	MIAH, Babul	
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	MIAH, Babul	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.11.0	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	4.11.0	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	
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.840	Terminal power saving features	4.0.0	Rel-4	R1	SASAKI, Tsukasa	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	4.6.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	BULDORINI, Andrea	
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.1.0	Rel-4	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.3.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.2.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.11.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.6.0	Rel-4	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.3.1	Rel-4	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	4.13.0	Rel-4	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.10.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.7.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.5.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.10.0	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)	4.9.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.3	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.8.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.8.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.8.0	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	4.7.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.4.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.8.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	BELLING, Thomas	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	ABARCA, Chelo	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	4.0.0	Rel-4	N5	ABARCA, Chelo	

Type	Number	Title	Ver at TSG#22	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	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	4.11.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	4.11.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.6.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.4.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	4.6.0	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.6.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.6.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-3

Type	Number	Title	Ver at TSG#22	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	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	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-2
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.3.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.5.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	4.5.0	Rel-4	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.4.0	Rel-4	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	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	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	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.5.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.2.0	Rel-4	S5	RAYMER, David	was 32.623-3

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	
TS	33.102	3G security; Security architecture	4.5.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.9.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.5.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	4.1.0	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.10.0	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	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.9.0	Rel-4	SP	MEREDITH, John M	
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.3.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.5.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.4.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.1	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)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.3.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	4.15.1	Rel-4	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.7.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.14.0	Rel-4	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	4.13.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.13.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.5.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.10.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.5.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	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.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.4.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.8.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.10.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.1.0	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	4.3.0	Rel-4	T3	WOODSEND, Kristian	
TS	51.021	GSM radio aspects base station system equipment specification	4.4.0	Rel-4	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G1	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	4.0.0	Rel-4	G1	TRUSS, Michael	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402.

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

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.122	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
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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4.

D.4   Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.5.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	
TR	21.801	Specification drafting rules	5.0.2	Rel-5	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	5.1.0	Rel-5	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	5.8.0	Rel-5	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.4.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	5.3.0	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.12.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	5.12.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	5.2.0	Rel-5	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	5.4.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	LAUMEN, Josef	(development in T2)
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	SP-16: to "GERAN" set.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	
TS	23.002	Network architecture	5.12.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	5.8.0	Rel-5	N4	RUSSELL, Nick	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	5.7.0	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	5.2.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	5.8.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	5.6.1	Rel-5	T2	HARRIS, Ian	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	5.7.0	Rel-5	S2	ZHAO, Yilin	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
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	5.6.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.4.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.11.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	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	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.9.0	Rel-5	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	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	5.6.0	Rel-5	N4	HODGES, Phil	New after TSG#5
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.3.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.2.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.6.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.8.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.7.0	Rel-5	N1	DRAGE, Keith	
TS	23.221	Architectural requirements	5.8.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.11.0	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	5.9.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.5.0	Rel-5	N2	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.
TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.1.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.10.0	Rel-5	N1	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.4.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
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	5.7.0	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	5.7.0	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)	5.9.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	5.6.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	5.8.0	Rel-5	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.5.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	5.7.0	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)	5.7.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.9.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	5.8.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	5.6.0	Rel-5	R4	MEYER, Juergen	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.143	UTRA repeater conformance testing	5.7.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	5.2.0	Rel-5	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.5.0	Rel-5	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	5.7.0	Rel-5	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	5.5.0	Rel-5	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	5.7.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	5.5.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	5.6.0	Rel-5	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	5.7.0	Rel-5	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	5.6.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	5.2.0	Rel-5	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	5.7.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	5.1.0	Rel-5	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	5.3.0	Rel-5	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.8.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.7.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.1.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.4.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.7.0	Rel-5	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	5.7.0	Rel-5	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	5.3.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.7.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	5.7.0	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	5.3.0	Rel-5	R3	IYER, Subramanian S.	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	5.1.0	Rel-5	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.7.0	Rel-5	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.5.0	Rel-5	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	5.3.0	Rel-5	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.6.0	Rel-5	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.1.0	Rel-5	R3	MIAH, Babul	
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	MIAH, Babul	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.8.0	Rel-5	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.3.0	Rel-5	R3	DREVON, Nicolas	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.6.0	Rel-5	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.3.0	Rel-5	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.3.0	Rel-5	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.2.0	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	5.7.0	Rel-5	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.3.0	Rel-5	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.6.0	Rel-5	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	HAUSER, Alexander	
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	JOLLEY, Vincent	
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	JOLLEY, Vincent	
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	JOLLEY, Vincent	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.8.0	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	5.3.0	Rel-5	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	5.2.0	Rel-5	R2	BULDORINI, Andrea	
TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	
TR	25.933	IP transport in UTRAN	5.4.0	Rel-5	R3	DREVON, Nicolas	
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	
TR	25.945	RF requirements for low chip rate TDD option	5.0.0	Rel-5	R4	ZHANG, Daijun	
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
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	
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	5.2.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	5.0.1	Rel-5	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	5.2.0	Rel-5	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	5.4.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.3.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.2.0	Rel-5	S4	N, A	
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	5.6.0	Rel-5	S4	FRANCESCHI, Olle	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.4.0	Rel-5	S4	OJALA, Pasi	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.1.0	Rel-5	S4	HAAVISTO, Petri	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	5.0.0	Rel-5	S4	VARSA, Viktor	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.1.0	Rel-5	S4	VAINIO, Janne	Cf 26.975.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.7.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	5.4.0	Rel-5	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.6.0	Rel-5	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	REX, Thomas	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.4.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	5.8.0	Rel-5	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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)	5.8.0	Rel-5	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.5.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.5.0	Rel-5	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.8.0	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)	5.8.0	Rel-5	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.6.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.3.0	Rel-5	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.5.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.5.0	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	5.4.0	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)	5.5.0	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)	5.5.0	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)	5.5.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.5.0	Rel-5	N5	ABARCA, Chelo	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.3.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.3.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.4.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.3.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	5.4.0	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	5.6.0	Rel-5	N3	YOKOTA, Daisuke	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.6.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.6.0	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	5.6.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.6.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.2.0	Rel-5	N2	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.6.0	Rel-5	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh.
TS	29.329	Sh interface based on the Diameter protocol	5.4.1	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.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	N5	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.0	Rel-5	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143.
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	N5	ABARCA, Chelo	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	5.0.0	Rel-5	N5	ABARCA, Chelo	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.1	Rel-5	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.1.0	Rel-5	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	5.7.0	Rel-5	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.5.0	Rel-5	T3	N, A	
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.6.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.4.0	Rel-5	T3	KALINER, Stefan	
TS	32.101	Telecommunication management; Principles and high level requirements	5.5.0	Rel-5	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	5.5.1	Rel-5	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	5.4.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	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	5.7.1	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	5.5.0	Rel-5	S5	GOERMER, Gerald	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.5.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.5.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.4.0	Rel-5	S5	TEPPO, Patrik	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.4.0	Rel-5	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	5.1.0	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	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	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.0.1	Rel-5	S5	TSE, Edwin	
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.2.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.5.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	5.0.1	Rel-5	S5	PIRT, Trevor	was 32.601-1

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	5.2.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	5.2.0	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	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.3.0	Rel-5	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.2.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.0	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	5.1.2	Rel-5	S5	BONNEAU, Frédéric	
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.5.0	Rel-5	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.1.1	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	Rel-5	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.3.0	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	5.3.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	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	5.2.0	Rel-5	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.3.0	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	5.3.0	Rel-5	S5	BONNEAU, Frédéric	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	5.1.0	Rel-5	S5	TOVINGER, Thomas	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	RAYMER, David	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	TRUSS, Michael	
TS	33.102	3G security; Security architecture	5.3.0	Rel-5	S3	BLOMMAERT, Marc	
TS	33.106	Lawful interception requirements	5.1.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.6.0	Rel-5	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.6.0	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TS	33.203	3G security; Access security for IP-based services	5.8.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.5.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.3.0	Rel-5	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	5.2.0	Rel-5	T1	HIGUCHI, Kenji	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	5.6.0	Rel-5	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.6.0	Rel-5	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.3.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	5.1.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	5.0.0	Rel-5	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	5.5.0	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	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	5.0.0	Rel-5	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.6.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	5.1.0	Rel-5	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.10.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	5.0.0	Rel-5	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	5.2.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.3.1	Rel-5	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	5.2.0	Rel-5	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.3.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	5.3.0	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	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.2.0	Rel-5	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	5.13.0	Rel-5	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.6.0	Rel-5	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	5.0.1	Rel-5	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	5.9.0	Rel-5	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.1.0	Rel-5	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	5.7.0	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	5.7.0	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	5.11.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.8.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.1	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.9.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.13.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	5.0.0	Rel-5	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.11.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.2.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.8.0	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)	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.6.0	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	5.6.0	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	LLOBREGAT, Fernando	
TS	51.021	GSM radio aspects base station system equipment specification	5.3.0	Rel-5	G1	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G1	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	5.0.0	Rel-5	G1	TRUSS, Michael	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

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

Type	Number	Title	Ver at TSG#22	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	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	none	Rel-5	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
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	1.0.0	Rel-5	T1	ROSE, Ian	TP-21: Title changed from "Measurement uncertainty". Completion date: end 2004.

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	21.900	Technical Specification Group working methods	6.1.0	Rel-6	SP	MEREDITH, John M	
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-21: On closure of Evolution group, confirmed that ownership stays with SA.
TR	21.905	Vocabulary for 3GPP Specifications	6.5.0	Rel-6	S1	ZARRI, Michele	
TS	22.011	Service accessibility	6.2.0	Rel-6	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.2.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	6.1.0	Rel-6	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	6.6.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.3.0	Rel-6	S1	GRECH, Michel	
TS	22.094	Follow Me service description - Stage 1	6.0.0	Rel-6	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094.
TS	22.101	Service aspects; Service principles	6.6.0	Rel-6	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	6.3.0	Rel-6	S1	MONTEGROSSO, Emanuele	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.4.0	Rel-6	S1	SWETINA, Joerg	
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	6.4.0	Rel-6	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	6.2.0	Rel-6	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.3.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WOLAK, Stephen	
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.5.0	Rel-6	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WOLAK, Stephen	
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.2.0	Rel-6	S1	AMERY, Paul	Cf work item 'Generic user profile"
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.0.0	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	KALLIOKULJU, Juha	
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: created from 22.940.
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	6.0.0	Rel-6	S1	FRANK, Robert	
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	WOODWARD, Ernest	
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	PAINT, Frédéric	
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.950	Priority service feasibility study	6.2.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia). Work item = PRIOR.
TR	22.951	Service aspects and requirements for network sharing	6.1.0	Rel-6	S1	ZARRI, Michele	
TR	22.952	Priority service guide	6.0.0	Rel-6	S1	GARRAHAN, James	Work item = PRIOR.
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	
TS	23.002	Network architecture	6.3.0	Rel-6	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	6.1.0	Rel-6	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	6.0.0	Rel-6	N4	BAUER, Rolf	
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	
TS	23.016	Subscriber data management; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	6.1.0	Rel-6	N4	PARK, Ian David Chalmers	
TS	23.038	Alphabets and language-specific information	6.0.0	Rel-6	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	6.2.0	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	6.3.0	Rel-6	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.0.0	Rel-6	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
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	6.0.0	Rel-6	S2	GREIS, Marc	was 23.907
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	6.0.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.4.0	Rel-6	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3.
TS	23.141	Presence service; Architecture and functional description; Stage 2	6.4.0	Rel-6	S2	MAANSAARI, Kirsi	
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.1.0	Rel-6	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	6.0.0	Rel-6	N1	DRAGE, Keith	
TS	23.221	Architectural requirements	6.1.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.4.1	Rel-6	S2	TOWLE, Thomas	
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.2.0	Rel-6	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile'
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.1.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846.
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.6.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.895	Provision of UE specific behaviour information to network entities	6.2.0	Rel-6	S2	PUDNEY, Chris	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	6.0.0	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	6.3.0	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	6.0.0	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	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.1.0	Rel-6	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	6.3.0	Rel-6	R4	FERNANDES, Edgar	
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)	6.4.0	Rel-6	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	6.0.0	Rel-6	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	6.0.0	Rel-6	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	6.0.0	Rel-6	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	6.0.0	Rel-6	R4	GUERRINI, Claudio	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.133	Requirements for support of radio resource management (FDD)	6.4.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	6.4.0	Rel-6	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	6.0.0	Rel-6	R4	MEYER, Juergen	
TS	25.143	UTRA repeater conformance testing	6.0.0	Rel-6	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	6.0.0	Rel-6	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.0.0	Rel-6	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	6.0.0	Rel-6	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	6.0.0	Rel-6	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	6.0.0	Rel-6	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	6.0.0	Rel-6	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.0.0	Rel-6	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	6.0.0	Rel-6	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	6.0.0	Rel-6	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	6.0.0	Rel-6	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	6.0.0	Rel-6	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	6.0.0	Rel-6	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	6.0.0	Rel-6	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	6.0.0	Rel-6	R2	RINNE, Mikko J	
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	6.0.0	Rel-6	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	6.0.0	Rel-6	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.307	Requirements on UEs supporting a release-independent frequency band	6.0.0	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	6.0.0	Rel-6	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	6.0.0	Rel-6	R2	STADLER, Thomas	
TS	25.322	Radio Link Control (RLC) protocol specification	6.0.0	Rel-6	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.0.0	Rel-6	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	6.0.0	Rel-6	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	6.0.0	Rel-6	R2	KUCHIBHOTLA, Ravi	
TS	25.331	Radio Resource Control (RRC) protocol specification	6.0.0	Rel-6	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	6.2.0	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
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	6.0.0	Rel-6	R3	IYER, Subramanian S.	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	6.0.0	Rel-6	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	6.0.0	Rel-6	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	6.0.0	Rel-6	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	6.0.0	Rel-6	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	6.0.0	Rel-6	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	6.0.0	Rel-6	R3	MIAH, Babul	
TS	25.421	UTRAN Iur interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	6.0.0	Rel-6	R3	MIAH, Babul	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.0.0	Rel-6	R3	ERICSSON, Ingela	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	6.0.0	Rel-6	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	6.0.0	Rel-6	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	6.0.0	Rel-6	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	6.0.0	Rel-6	R3	HAKULI, Tuomas	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	
TS	25.431	UTRAN Iub interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	
TS	25.432	UTRAN Iub interface: signalling transport	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	
TS	25.433	UTRAN Iub interface NBAP signalling	6.0.0	Rel-6	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	6.0.0	Rel-6	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	6.0.0	Rel-6	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	6.0.0	Rel-6	R3	HAUSER, Alexander	
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	
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	6.3.0	Rel-6	R3	JOLLEY, Vincent	
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	6.0.0	Rel-6	R3	MILLER, James	
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	
TR	25.942	RF system scenarios	6.1.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.4.0	Rel-6	R2	FAUCONNIER, Denis	
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	6.1.0	Rel-6	R1	HUANG, Howard	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	6.0.0	Rel-6	S4	USAI, Paolino	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.0.0	Rel-6	S4	OJALA, Pasi	
TS	27.007	AT command set for 3G User Equipment (UE)	6.4.0	Rel-6	T2	CHRISTENSEN, Soren	
TS	29.002	Mobile Application Part (MAP) specification	6.4.0	Rel-6	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#22	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)	6.1.0	Rel-6	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.3.0	Rel-6	N4	KYMALAINEN, Kimmo	
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.0.0	Rel-6	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	6.0.0	Rel-6	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	6.1.0	Rel-6	N3	MCWILLIAMS, Brendan	
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.0.0	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	6.1.0	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)	6.0.0	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)	6.1.0	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)	6.1.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	6.1.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	6.1.0	Rel-6	N5	ABARCA, Chelo	
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	6.0.0	Rel-6	N5	ABARCA, Chelo	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.1.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.0.0	Rel-6	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	29.998-04-4	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	6.0.0	Rel-6	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.2.0	Rel-6	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM application	6.4.0	Rel-6	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.2.0	Rel-6	T3	N, A	
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.0.0	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.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	TON, Wim	Test spec is 34.131.
TS	32.102	Telecommunication management; Architecture	6.1.0	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	6.0.1	Rel-6	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	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	6.0.1	Rel-6	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.140	Telecommunication management; Services operations management; Subscription management requirements	6.1.0	Rel-6	S5	ISLIP, John	
TS	32.141	Telecommunication management; Services operations management; Subscription management architecture	6.0.0	Rel-6	S5	ABA, Istvan	
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	6.1.0	Rel-6	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	6.2.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars)

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	6.2.0	Rel-6	S5	HÜBINETTE, Ulf	
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	TOCHE, Christian	
TS	32.421	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	6.2.0	Rel-6	S5	KORINEK, Frank	
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.0.0	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	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.620-3
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	6.0.0	Rel-6	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	6.1.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	6.0.0	Rel-6	S5	PAL, Tapinder	
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TR	32.815	Telecommunication management; Charging management; On-line Charging System (OCS) architecture study	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	
TS	33.102	3G security; Security architecture	6.0.0	Rel-6	S3	BLOMMAERT, Marc	
TS	33.106	Lawful interception requirements	6.0.0	Rel-6	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	6.1.0	Rel-6	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.4.0	Rel-6	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.203	3G security; Access security for IP-based services	6.1.0	Rel-6	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.3.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910.
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	GUTHERY, Scott B.	Base spec is 31.131.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.0.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	6.0.0	Rel-6	G1	SÉBIRE, Guillaume	Originally created as 03.51r00

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.3.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	6.2.0	Rel-6	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	6.1.0	Rel-6	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	6.0.0	Rel-6	N1	GARAPATY, Sonia	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	6.0.0	Rel-6	G2	ISAACS, Ken	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.0.0	Rel-6	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.5.0	Rel-6	G2	HOWELL, Andrew	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.1.0	Rel-6	G2	GARAPATY, Sonia	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	6.5.0	Rel-6	G2	HOWELL, Andrew	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	6.2.0	Rel-6	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	6.0.0	Rel-6	N1	GARAPATY, Sonia	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	6.0.0	Rel-6	G2	VIRTEJ, Iuliana	
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	6.2.0	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	6.2.0	Rel-6	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	6.4.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	6.1.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	6.3.0	Rel-6	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	6.5.0	Rel-6	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	6.0.0	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.
TR	45.902	Flexible layer 1	6.3.0	Rel-6	G1	SÉBIRE, Benoist	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.4.0	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	6.3.0	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	6.3.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.1.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
TS	51.021	GSM radio aspects base station system equipment specification	6.1.0	Rel-6	G1	BUSIN, Ake	
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.1.0	Rel-6	S3	WALKER, Michael	Not subject to export control.
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	6.2.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
TS	55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	6.1.0	Rel-6	S3	N, A	2003-09-30: Note: document only available with French export licence.

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

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-6	S2	LAUTIER, Laurence	
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977).
TR	22.949	Study on a generalized privacy capability	1.0.0	Rel-6	S1	GARRAHAN, James	WI: PrivCap.
TS	23.125	Overall high level functionality and architecture impacts of flow based charging	none	Rel-6	S2	WILLIAMS, Brian	WI UID = 32030.
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...".
TS	23.209	Policy control over Gq interface	none	Rel-6	N3	SILLANPÄÄ, Anna	WI = IMS Phase 2 (UID 32021)
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	2.3.0	Rel-6	S2	YOON, Sang-Ui	
TS	23.241	3GPP Generic User Profile (GUP); Stage 2; Data description method	1.0.0	Rel-6	T2	BISCHINGER, Kurt	Cf work item 'Generic user profile"
TR	23.825	Overall architecture aspects of IP flow based bearer level charging; Stage 2	1.3.0	Rel-6	S2	WILLIAMS, Brian	WI UID = 32030.
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.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.851	Network sharing; Architecture and functional description	1.1.0	Rel-6	S2	NILSSON, Ulf	
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964.
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.6.0	Rel-6	S2	POIKSELKA, Miikka	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228.
TR	23.877	Architectural aspects of speech-enabled services	1.0.0	Rel-6	S2	XUAN, Qing	WID = SP-030305.
TR	23.881	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	0.2.0	Rel-6	S2	MILINSKI, Alexander	SP-21: WI = SP-030385
TR	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS)	1.1.1	Rel-6	S2	MOUSSET, Claire	Work Item: SP-020140
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	
TR	23.976	Push architecture	1.2.0	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	1.0.0	Rel-6	S2	SEISER, Franz	Work Item: Bandwidth and Resource savings and Speech enhancements for CS networks (S2-032137)
TR	23.979	3GPP enablers for Push-to-taks over Cellular (PoC) services; Stage 2	0.2.0	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.2.0	Rel-6	N1	DRAGE, Keith	WI = PRSNC (UID 2499)
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.1.0	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	1.0.0	Rel-6	N1	CARRIÓN, Inmaculada	
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	0.5.0	Rel-6	T2	SOOD, Prem	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.2.1	Rel-6	N1	MAYER, Georg	2003-06: WID is NP-030286 = IMS-CCR-E
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	1.1.2	Rel-6	N1	DRAGE, Keith	
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)	2.4.0	Rel-6	R2	PIRSKANEN, Juho	
TR	25.803	S-CCPCH performance for MBMS	1.2.0	Rel-6	R1	MALLADI, Durga	
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	0.0.1	Rel-6	R1	RUDOLF, Marian	2003-09-04: anticipated approval at RP-223. WI = RInImp-FSUpEnhTDD.
TR	25.805	DS-CDMA introduction in the 800 MHz band	0.3.0	Rel-6	R4	NAKAMURA, Takehiro	WI = RInImp-UMTS800 (UID 24009)
TR	25.806	UMTS 1700/2100MHz and UMTS 850MHz Work Items	0.1.0	Rel-6	R4	NUMMINEN, Jussi	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010)
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	none	Rel-6	R2	MIKOLA, Juha	
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-6	R4	MATARASSO, Carlo	
TR	25.869	Transmitter diversity solutions for multiple antennas	1.2.0	Rel-6	R1	KIM, Sung-Jin	
TR	25.876	Multiple Input Multiple Output (MIMO) Antennae in UTRA	1.2.0	Rel-6	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	0.5.2	Rel-6	R1	BOUMENDIL, Sarah	
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	

Type	Number	Title	Ver at TSG#22	Rel	TSG/WG	Editor	Comment
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	1.3.1	Rel-6	R1	BEALE, Martin	
TR	25.896	Feasibility study for enhanced uplink for UTRA FDD	1.1.2	Rel-6	R1	RANTA-AHO, Karri	
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	
TR	25.899	High Speed Download Packet Access (HSDPA) enhancements	0.3.2	Rel-6	R1	FUKUI, Noriyuki	
TR	25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	0.1.1	Rel-6	R3	HALL, Edward	WI UID 23011. See also 44.901.
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	none	Rel-6	S4	HONKO, Harri	WI = "Media Codecs and Formats for IMS Messaging and Presence" UID 32045.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	none	Rel-6	S4	FRANCESCHI, Olle	
TS	26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	1.0.0	Rel-6	S4	FRANCESCHI, Olle	
TS	26.245	Transparent end-to-end streaming service; Timed text format	0.1.6	Rel-6	S4	FRANCESCHI, Olle	
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	0.1.0	Rel-6	S4	SZELAZEK, Bill	WI = "Multimedia Broadcast and Multicast Service" UID 2544.
TR	26.935	Packet switched conversational multimedia applications; Default codecs; Performance characterization	none	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.
TS	29.109	Bootstrapping and subscriber certificates; Diameter protocols; Stage 3	none	Rel-6	N4	LAITINEN, Lauri	WI = SEC1-SC (UID 33002)
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-6	N3	HOLLAND, Nigel	
TS	29.199	Open Service Access (OSA); Web Services Application Programming Interface (API) for OSA; Parlay X services	1.0.1	Rel-6	N5	VAN RIJSSEN, Erwin	
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	none	Rel-6	N4	JANSSON, Jari	Work item description in N4-021258.
TS	29.209	Policy control over Gq interface	0.0.1	Rel-6	N3	N, A	
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	1.1.0	Rel-6	N4	RODRIGUEZ, Raquel	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157)
TS	29.240	Generic User Profile (GUP); Stage 3; Network	0.1.0	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	N4	SANDERS, David	
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	1.0.0	Rel-6	N1	HOBBIS, Kevan	
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	1.1.0	Rel-6	N1	MAYER, Georg	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	30.531	Work Plan and Study Items - RAN WG3	0.11.0	Rel-6	R3	KRAUSE, Joern	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	1.0.0	Rel-6	T3	JOLIVET, Paul	
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	1.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	1.0.0	Rel-6	S5	TRUSS, Michael	Justification: see SP-020608. Stage 3: see 27.150. 2003-08-28: Title changed from "Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2". 2003-12-03: title changed from "Telecommunication management; Integration Reference Point (IRP): Introduction and definitions".
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	1.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	1.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	32.171	Service operations management; Subscription management resources Integration Reference Point (IRP); Requirements	1.0.0	Rel-6	S5	WIKBERG, Ove	
TS	32.172	Service operations management; Subscription management resources Integration Reference Point (IRP); Network Resources Model (NRM)	1.0.0	Rel-6	S5	WIKBERG, Ove	
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	1.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	1.0.0	Rel-6	S5	RICHARDS, Christopher	SP-21: WI = charging management for the bearer level
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	none	Rel-6	S5	NENNER, Karl-Heinz	
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	0.1.0	Rel-6	S5	TEPPO, Patrik	
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	1.0.0	Rel-6	S5	GOERMER, Gerald	
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	1.0.0	Rel-6	S5	BIBAS, Alain	
TS	32.296	Telecommunication management; Charging management; On-line Charging System (OCS): Applications and interfaces	0.1.0	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047)
TS	32.297	Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer	1.0.0	Rel-6	S5	RICHARDS, Christopher	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain".
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) encoding rules description	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	
TS	32.299	Telecommunication management; Charging management; Diameter charging application	none	Rel-6	S5	TEPPO, Patrik	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description".
TS	32.331	Telecommunication management; Notification log Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.332	Telecommunication management; Notification log Integration Reference Point (IRP): Information service	none	Rel-6	S5	SCHMIDT, Joerg	
TS	32.333	Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	RAYMER, David	
TS	32.334	Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	POLLAKOWSKI, Olaf	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	SCHMIDT, Joerg	
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	RAYMER, David	
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	SUERBAUM, Clemens	
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.364	Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014)
TS	32.371	Security Management Integration Reference Point (IRP): Requirements	0.0.1	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.372	Security Management Integration Reference Point (IRP): Information service	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.373	Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.374	Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011)
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	TOCHE, Christian	
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	TOCHE, Christian	
TS	32.422	Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management	none	Rel-6	S5	RAO, Mohan	
TS	32.423	Telecommunication management; Subscriber and equipment trace: Trace data definition and management	none	Rel-6	S5	TOCHE, Christian	
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Information service	none	Rel-6	S5	PAL, Tapinder	
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	PAL, Tapinder	
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	PAL, Tapinder	
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.711	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.712	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information service	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.713	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.714	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	32.715	Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014)
TS	33.141	Presence service; Security	1.0.0	Rel-6	S3	BOMAN, Krister	
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	1.0.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §4.
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using secure hypertext transfer protocol (HTTPS)	0.1.1	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	1.0.0	Rel-6	S3	LOPEZ SORIA, Luis	
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	1.0.0	Rel-6	S3	ESCOTT, Adrian	
TS	33.310	Network domain security; Authentication framework (NDS/AF)	1.0.0	Rel-6	S3	VIITANEN, Tommi	
TR	33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	1.0.0	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	1.0.0	Rel-6	S3	VAN MOFFAERT, Annelies	WI = SEC1-SC (UID 33002)
TR	33.941	Presence service; Security	0.6.0	Rel-6	S3	BOMAN, Krister	
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	
TS	43.246	Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2	0.6.0	Rel-6	G2	EDWIN, Diana	2003-05: G2 chair indicates that no separate stage 3 will be required, just changes to existing GERAN protocol specs.
TR	44.933	Seamless support of streaming services in GERAN A/Gb mode	1.3.0	Rel-6	G2	GESSNER, Christina	Work item = SSStrea.
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	BLADSJO, David	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	0.1.2	Rel-6	S5	RONKA, Kari	

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

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	7.0.0	Rel-7	S1	CARPENTER, Paul	Transfer>TSG#4

Annex E: List of Change Requests and their status after TSG SA Meeting #22

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030694	21.905	053	-	6.4.0	Rel-6	Terminology addtions for IP-CAN and IP-CAN bearer	approved	F	6.5.0	Vocabulary for 3GPP Specifications	TEI6
SP-030694	21.905	054	-	6.4.0	Rel-6	Modified base station definition	approved	F	6.5.0	Vocabulary for 3GPP Specifications	Vocabulary
SP-030695	22.011	053	-	6.1.0	Rel-6	Administrative restriction of subscribers' access	revised	B		Service accessibility	TEI
SP-030774	22.011	053	1	6.1.0	Rel-6	Administrative restriction of subscribers' access	approved	B	6.2.0	Service accessibility	TEI
SP-030696	22.038	015	-	6.1.0	Rel-7	Interaction between ME and USAT applications	approved	B	7.0.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	USAT1
SP-030689	22.038	016	-	6.1.0	Rel-6	MMS as an additional data exchange capability for USAT	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	MMS-R6
SP-030772	22.038	016	1	6.1.0	Rel-6	Change of the term "bearer" to "data exchange capability" and removal of implementation dependent statements in TS 22.038	approved	F	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI
SP-030688	22.038	017	-	5.3.0	Rel-5	Enable Cell Broadcast Bearer for USAT application while connected to UTRAN networks	approved	F	5.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI5
SP-030688	22.038	018	-	6.1.0	Rel-6	Enable Cell Broadcast Bearer for USAT application while connected to UTRAN networks	approved	A	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI5
SP-030685	22.038	019	-	3.3.0	R99	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	F	3.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS
SP-030685	22.038	020	-	4.2.0	Rel-4	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	4.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS
SP-030685	22.038	021	-	5.3.0	Rel-5	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	5.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS
SP-030685	22.038	022	-	6.1.0	Rel-6	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS
SP-030697	22.071	060	-	6.5.0	Rel-6	Support of "Advanced Geographic Description" (AGD) information	rejected	B		Location Services (LCS); Stage 1	LCS1
SP-030690	22.071	061	-	5.2.0	Rel-5	Removal of misleading and obsolete text	approved	F	5.3.0	Location Services (LCS); Stage 1	TEI5
SP-030690	22.071	062	-	6.5.0	Rel-6	Removal of misleading and obsolete text	approved	A	6.6.0	Location Services (LCS); Stage 1	LCS1
SP-030697	22.071	063	-	6.5.0	Rel-6	Correction of "velocity" requirements	approved	F	6.6.0	Location Services (LCS); Stage 1	LCS1
SP-030697	22.071	064	-	6.5.0	Rel-6	Cell ID	approved	B	6.6.0	Location Services (LCS); Stage 1	LCS
SP-030691	22.071	065	-	5.2.0	Rel-5	Removal of change of area event	approved	F	5.3.0	Location Services (LCS); Stage 1	LCS1
SP-030698	22.078	162	-	6.2.0	Rel-6	Add criteria "inter-MSC handover" for change of position procedures	approved	F	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	TEI_6
SP-030692	22.078	163	-	5.11.0	Rel-5	CLIR/CLIP interaction with CSE initiated calls	approved	F	5.12.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-030692	22.078	164	-	6.2.0	Rel-6	CLIR/CLIP interaction with CSE initiated calls	approved	A	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030693	22.078	165	-	5.11.0	Rel-5	Allowing CSE to suppress terminating CAMEL handling on new leg in existing call	approved	F	5.12.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-030693	22.078	166	-	6.2.0	Rel-6	Allowing CSE to suppress terminating CAMEL handling on new leg in existing call	approved	A	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-030698	22.078	167	-	6.2.0	Rel-6	CAMEL4 prepay interworking with SCUDIF	approved	B	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-030699	22.094	003	-	5.0.0	Rel-6	Notify of forced erasure to initiating subscriber A	approved	B	6.0.0	Follow Me service description - Stage 1	TEI6
SP-030700	22.101	135	-	6.5.0	Rel-6	Automatic Device Detection	approved	B	6.6.0	Service aspects; Service principles	TEI
SP-030700	22.101	136	-	6.5.0	Rel-6	Correction of Core Network emergency call requirements	approved	C	6.6.0	Service aspects; Service principles	EMC1
SP-030687	22.101	137	-	6.5.0	Rel-6	Clarification of emergency call requirements	approved	C	6.6.0	Service aspects; Service principles	EMC1
SP-030790	22.101	138	-	3.15.0	R99	Removal of unnecessary numbers from the ME default emergency number list	approved	F	3.16.0	Service aspects; Service principles	EMC1
SP-030790	22.101	139	-	4.8.0	Rel-4	Removal of unnecessary numbers from the ME default emergency number list	approved	A	4.9.0	Service aspects; Service principles	EMC1
SP-030790	22.101	140	-	5.11.0	Rel-5	Removal of unnecessary numbers from the ME default emergency number list	approved	A	5.12.0	Service aspects; Service principles	EMC1
SP-030790	22.101	141	-	6.5.0	Rel-6	Removal of unnecessary numbers from the ME default emergency number list	approved	A	6.6.0	Service aspects; Service principles	EMC1
SP-030701	22.115	016	-	6.2.0	Rel-6	CS interconnection – correction of an improper statement on the requirement for the identification of user data rate and user protocol at the interconnection point e.g. for inter-network	approved	F	6.3.0	Service Aspects Charging and billing	TEI-6
SP-030686	22.115	017	-	3.3.0	R99	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point e.g. for inter-network accounting purposes	approved	F	3.4.0	Service Aspects Charging and billing	TEI
SP-030686	22.115	018	-	4.0.0	Rel-4	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point for inter-network accounting purposes	approved	A	4.1.0	Service Aspects Charging and billing	TEI
SP-030686	22.115	019	-	5.3.0	Rel-5	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point for e.g. inter-network accounting purposes	approved	A	5.4.0	Service Aspects Charging and billing	TEI
SP-030702	22.127	068	-	6.3.0	Rel-6	Removal of Visited Network capabilities	approved	C	6.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3
SP-030703	22.127	069	-	6.3.0	Rel-6	Introduce High Availability requirement for OSA	rejected	F		Service Requirement for the Open Services Access (OSA); Stage 1	OSA3
SP-030704	22.129	028	4	6.0.0	Rel-6	Service based handover/assignment	approved	B	6.1.0	Handover requirements between UTRAN and GERAN or other radio systems	TEI
SP-030689	22.140	039	-	6.3.0	Rel-6	MMS targetting UE elements	approved	B	6.4.0	Multimedia Messaging Service (MMS); Stage 1	MMS
SP-030689	22.140	040	-	6.3.0	Rel-6	UICC interaction with MMS clients	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030773	22.140	040	1	6.3.0	Rel-6	UICC interaction with MMS clients	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030783	22.140	040	2	6.3.0	Rel-6	UICC interaction with MMS clients	approved	B	6.4.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6
SP-030705	22.146	041	-	6.2.0	Rel-6	Alignment of MBMS use cases and bit rates	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030706	22.228	022	-	6.4.0	Rel-6	Multi terminal requirement in 22.228	approved	C	6.5.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS2
SP-030707	22.240	02	-	6.1.0	Rel-6	Clarifications on general service requirements and data description requirements	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP
SP-030707	22.240	03	-	6.1.0	Rel-6	Clarifications GUP data access and administration	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP
SP-030707	22.240	04	-	6.1.0	Rel-6	Clarifications on GUP synchronisation	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030669	03.60	217	3	6.11.0	R97	Serving network identity from SGSN to GGSN	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030669	03.60	218	3	7.9.0	R98	Serving network identity from SGSN to GGSN	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030652	23.002	135	4	6.2.0	Rel-6	Gq reference point	approved	B	6.3.0	Network architecture	QoS1
SP-030653	23.060	434	8	6.2.0	Rel-6	Security Issue with Multiple PDP Contexts	approved	B	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030653	23.060	444	4	3.15.0	R99	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	F	3.16.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	459	1	4.8.0	Rel-4	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	4.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	460	1	5.6.0	Rel-5	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	461	2	6.2.0	Rel-6	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	465	4	3.15.0	R99	PFI correction	approved	F	3.16.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	466	2	4.8.0	Rel-4	PFI correction	approved	A	4.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	467	2	5.6.0	Rel-5	PFI correction	approved	A	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	468	-	6.2.0	Rel-6	PFI correction	approved	A	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	469	-	6.2.0	Rel-6	Teardown indicator in DEACTIVATE PDP CONTEXT ACCEPT message	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030669	23.060	471	3	3.15.0	R99	Serving network identity from SGSN to GGSN	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030669	23.060	472	3	4.8.0	Rel-4	Serving network identity from SGSN to GGSN	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030653	23.060	473	3	5.6.0	Rel-5	Serving network identity from SGSN to GGSN	approved	F	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	474	3	6.2.0	Rel-6	Serving network identity from SGSN to GGSN	approved	A	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	475	1	6.2.0	Rel-6	SGSN behaviour on BSS downgraded ABQP	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	478	3	6.2.0	Rel-6	BSS PFC procedures at PDP context modification	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI
SP-030653	23.060	480	-	6.2.0	Rel-6	BSS paging co-ordination for A/Gb mode	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6
SP-030654	23.107	144	-	5.10.0	Rel-5	Radio Access Bearer Service Attributes for GERAN	approved	F	5.11.0	Quality of Service (QoS) concept and architecture	E2EQoS
SP-030654	23.107	145	-	5.10.0	Rel-6	Radio Access Bearer Service Attributes for GERAN	approved	F	6.0.0	Quality of Service (QoS) concept and architecture	E2EQoS
SP-030655	23.195	009	-	5.1.0	Rel-5	Change to editor's note	approved	F	5.2.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-030656	23.207	061	3	6.0.0	Rel-6	Procedures in the AF	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030656	23.207	062	1	6.0.0	Rel-6	Information exchanged via Gq interface	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030656	23.207	063	1	6.0.0	Rel-6	Procedures in the PDF	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030656	23.207	064	-	6.0.0	Rel-6	Editorial corrections to 23.207	approved	D	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030656	23.207	065	2	6.0.0	Rel-6	Gq-related updates to the signaling flows	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030656	23.207	066	3	6.0.0	Rel-6	Requirements for IM CN Subsystem signalling flag	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	IMS2
SP-030656	23.207	067	-	6.0.0	Rel-6	Defintion of the Application Function	approved	F	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-030658	23.228	352	-	6.3.0	Rel-6	Terminology correction on "IMS User"	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	353	2	6.3.0	Rel-6	Forking preferences	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	358	-	6.3.0	Rel-6	Clarification of user data storage	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	359	2	6.3.0	Rel-6	Introduction of Session based messaging architecture	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	361	-	6.3.0	Rel-6	PSTN-initiated Hold and Resume of a Mobile-PSTN Session	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	362	1	6.3.0	Rel-6	PSI User	revised	C		IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030778	23.228	362	2	6.3.0	Rel-6	PSI User	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS72
SP-030658	23.228	365	1	6.3.0	Rel-6	Transfer of CSCF capability on Cx	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	366	1	6.3.0	Rel-6	Support of Multi-terminals	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	367	1	5.10.0	Rel-5	Restrictions on Sessions without IMS required capabilities	revised	F		IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030778	23.228	367	2	5.10.0	Rel-5	Restrictions on Sessions without IMS required capabilities	approved	F	5.11.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030658	23.228	368	2	6.3.0	Rel-6	Forking support in MGCF and AS	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	369	3	6.3.0	Rel-6	AS originated sessions	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	371	2	6.3.0	Rel-6	Requirements for IM CN Subsystem signalling flag	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	375	2	6.3.0	Rel-6	Terminal Capability with SIP Registration	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030658	23.228	377	1	5.10.0	Rel-5	Clarification of Trust Domain restriction for IMS	approved	F	5.11.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-030658	23.228	378	1	6.3.0	Rel-6	Clarification of Trust Domain for IMS	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	379	1	6.3.0	Rel-6	HSS as database for the PSI handling	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030658	23.228	380	1	6.3.0	Rel-6	PSI corrections	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-030659	23.240	007	1	6.1.0	Rel-6	Selection of the GUP Server mode of operation	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030659	23.240	009	1	6.1.0	Rel-6	Notification Reference	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030659	23.240	010	2	6.1.0	Rel-6	Subscribe Operation, Subscription Status	approved	B	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030659	23.240	011	1	6.1.0	Rel-6	GUP information model improvement	approved	C	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030659	23.240	012	1	6.1.0	Rel-6	GUP Annex B terminal Capability negotiation for IMS	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-030660	23.246	001	5	6.0.0	Rel-6	Inclusion of GERAN attributes and parameters in MBMS	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	002	4	6.0.0	Rel-6	Inclusion of GERAN functionality in MBMS Notification procedure and session ID	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	003	4	6.0.0	Rel-6	Inclusion of GERAN functionality in MBMS procedures	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	007	4	6.0.0	Rel-6	Clarification of MBMS UE Context plus GERAN functionality	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	008	1	6.0.0	Rel-6	Apply TMGI for Broadcast Service	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	015	3	6.0.0	Rel-6	MBMS point to point repair/charging/decrypt service	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	016	2	6.0.0	Rel-6	Optional provision of duration of the session	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	020	2	6.0.0	Rel-6	Corrections for TMGI, linked NSAPI and service ID	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	021	1	6.0.0	Rel-6	Removal of superfluous procedures	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	022	2	6.0.0	Rel-6	Verification of UE bearer capabilities	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	023	1	6.0.0	Rel-6	Various corrections and clarifications	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	026	2	6.0.0	Rel-6	Clarification on MBMS deactivation figure	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030660	23.246	027	2	6.0.0	Rel-6	MBMS Service Request Procedure	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	028	-	6.0.0	Rel-6	Removal of BG from MBMS Architecture Figure	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030660	23.246	030	-	6.0.0	Rel-6	Removal of security information in TS 23.246	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-030661	23.271	186	3	6.5.0	Rel-6	Introduction of LCS QoS Class	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	186	3	6.5.0	Rel-6	Introduction of LCS QoS Class	rejected	B		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	213	4	6.5.0	Rel-6	Additional privacy check in defered location request cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	213	4	6.5.0	Rel-6	Additional privacy check in defered location request cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	214	1	6.5.0	Rel-6	Clarifications on start time and stop time	withdrawn	C		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	214	1	6.5.0	Rel-6	Clarifications on start time and stop time	withdrawn	C		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	220	1	6.5.0	Rel-6	Correction of the UE available event	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	220	1	6.5.0	Rel-6	Correction of the UE available event	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	5.9.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	approved	B	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030779	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in Rel 5	approved	F	5.9.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in R5	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in R5	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	229	2	6.5.0	Rel-6	Enhanced LDR reference number in Rel 6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS
SP-030661	23.271	229	2	6.5.0	Rel-6	Enhanced LDR reference number in Rel 6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS
SP-030757	23.271	230	3	6.5.0	Rel-6	Correction of UE available event cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	230	3	6.5.0	Rel-6	Correction of UE available event cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address.	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external IDs, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6.	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external Ids, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external Ids, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030661	23.271	234	1	6.5.0	Rel-6	Charging alignment for LCS	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030757	23.271	234	1	6.5.0	Rel-6	Charging alignment for LCS	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	236	-	6.5.0	Rel-6	Combined S2-033470(CR214r1), S2-034390(CR213r4) and S2-034388(CR230r3) on LCS2	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-030779	23.271	237	-	6.5.0	Rel-6	Combined S2-034056(CR234r1), S2-034353(CR229r2) and S2-033469(CR220r1) on LCS2	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2

E.3   CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030589	33.106	006	-	5.1.0	Rel-6	Correction to lawful interception references	approved	F	6.0.0	Lawful interception requirements	SEC1-LI
SP-030590	33.107	034	-	6.0.0	Rel-6	MSISDN/IMEI clarification for GPRS interception	approved	F	6.1.0	3G security; Lawful interception architecture and functions	SEC1-LI
SP-030591	33.107	035	-	6.0.0	Rel-6	Reporting TEL URL	approved	F	6.1.0	3G security; Lawful interception architecture and functions	SEC1-LI

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030592	33.108	027	-	5.5.0	Rel-5	Correction to Annex G on TCP based transport	approved	F	5.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030592	33.108	028	-	6.3.0	Rel-6	Correction to Annex G on TCP based transport	approved	A	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030593	33.108	029	-	6.3.0	Rel-6	LI Reporting of Dialed Digits	approved	B	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030594	33.108	030	-	6.3.0	Rel-6	CS Section for 33.108 – LI Management Operation	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030594	33.108	031	-	6.3.0	Rel-6	CS Section for 33.108 – User data packet transfer	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030591	33.108	032	-	6.3.0	Rel-6	Reporting TEL URL	approved	B	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030595	33.108	033	-	6.3.0	Rel-6	Alignment of Lawful Interception identifiers length to ETSI TS 101 671	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-030596	33.203	047	1	5.7.0	Rel-5	Correcting the text on sending an authentication response	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030596	33.203	048	1	6.0.0	Rel-6	Correcting the text on sending an authentication response	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030597	33.203	049	-	5.7.0	Rel-5	SA procedures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030597	33.203	050	-	6.0.0	Rel-6	SA procedures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030598	33.203	051	-	5.7.0	Rel-5	SA parameters and management	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030598	33.203	052	-	6.0.0	Rel-6	SA parameters and management	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030599	33.203	053	-	5.7.0	Rel-5	Reject or discard of messages	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030599	33.203	054	-	6.0.0	Rel-6	Reject or discard of messages	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030600	33.203	055	-	5.7.0	Rel-5	Correcting the SA handling procedures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030600	33.203	056	-	6.0.0	Rel-6	Correcting the SA handling procedures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030601	33.203	057	-	6.0.0	Rel-6	Terminology alignment	approved	F	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030602	33.203	058	1	5.7.0	Rel-5	Introducing the SIP Privacy mechanism in Stage 2 specifications	revised	F		3G security; Access security for IP-based services	IMS-ASEC
SP-030764	33.203	058	2	5.7.0	Rel-5	Introducing the SIP Privacy mechanism in Stage 2 specifications	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030603	33.203	059	-	6.0.0	Rel-6	Removing anti-replay requirement from Confidentiality clause	approved	D	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030604	33.203	060	-	5.7.0	Rel-5	Ensuring the correct RAND is used in synchronization failures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030604	33.203	061	-	6.0.0	Rel-6	Ensuring the correct RAND is used in synchronization failures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030605	33.203	062	-	5.7.0	Rel-5	Network behaviour when a new REGISTER is challenged during an on going authentication	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC
SP-030605	33.203	063	-	6.0.0	Rel-6	Network behaviour when a new REGISTER is challenged during an on going authentication	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030606	55.205	001	-	6.0.0	Rel-6	Correction of reference	approved	D	6.1.0	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	SEC1-CSALGO1

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030681	26.104	029	1	5.2.0	Rel-5	Correction on the implementation of the interface of decoder.c	approved	F	5.3.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR
SP-030682	26.104	030	1	5.2.0	Rel-6	Correction on the default behaviour of the unix makefile	approved	D	6.0.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030726	32.005	011	1	3.6.0	R99	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	B	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	OAM-CH
SP-030618	32.015	039	-	3.11.0	R99	Correction of "Data Record Format Version"	approved	F	3.12.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	OAM-CH
SP-030611	32.102	031	-	5.4.0	Rel-5	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	revised	F		Telecommunication management; Architecture	OAM-AR
SP-030756	32.102	031	1	5.4.0	Rel-5	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	approved	F	5.5.0	Telecommunication management; Architecture	OAM-AR
SP-030611	32.102	032	-	6.0.0	Rel-6	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	revised	F		Telecommunication management; Architecture	OAM-AR
SP-030756	32.102	032	1	6.0.0	Rel-6	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	approved	A	6.1.0	Telecommunication management; Architecture	OAM-AR
SP-030625	32.106-6	011	-	3.3.0	R99	Remove characters causing IDL Compilation error	approved	F	3.4.0	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	CM
SP-030631	32.111-1	005	-	5.1.1	Rel-6	Add retrieval of alarm history information requirement	approved	B	6.0.0	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	OAM-NIM
SP-030629	32.111-2	027	-	5.4.0	Rel-6	Align the operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030628	32.111-2	028	-	5.4.0	Rel-6	Remove references to GSM 12.11	approved	F	6.0.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	OAM-NIM
SP-030626	32.111-3	031	-	5.4.0	Rel-5	Add missing IDL definitions to support Security Alarms	approved	F	5.5.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM
SP-030628	32.111-3	032	-	5.4.0	Rel-6	Remove references to GSM 12.11	approved	F	6.0.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM
SP-030629	32.111-3	033	-	5.4.0	Rel-6	Align operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM
SP-030627	32.111-4	023	-	5.6.0	Rel-5	Add missing parts for the support of security alarms	approved	F	5.7.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030627	32.111-4	024	-	5.6.0	Rel-5	Mapping completion of getAlarmList	approved	F	5.7.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030629	32.111-4	025	-	5.6.0	Rel-6	Align operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030619	32.205	021	-	4.5.0	Rel-4	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	revised	B		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030765	32.205	021	1	4.5.0	Rel-4	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	A	4.6.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030619	32.205	022	-	5.4.0	Rel-5	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	revised	A		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030765	32.205	022	1	5.4.0	Rel-5	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	A	5.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030620	32.205	023	-	5.4.0	Rel-5	Correction to Level of CAMEL Service	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-030618	32.215	028	-	4.5.0	Rel-4	Correction of "Data Record Format Version"	approved	A	4.6.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-030618	32.215	029	-	5.4.0	Rel-5	Correction of "Data Record Format Version"	approved	A	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030620	32.215	030	-	5.4.0	Rel-5	Correction to Level of CAMEL Service	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-030621	32.215	031	-	5.4.0	Rel-5	Correction on QoS Information (only if CN#22 approved CN4 CR 24.060)	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-030622	32.225	020	-	5.3.0	Rel-5	Correction of MRFC-CDR content definition for multi-party-call establishment	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-030622	32.225	021	-	5.3.0	Rel-5	Correction on ICID definition	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-030622	32.225	022	-	5.3.0	Rel-5	Removal of ASR and ASA	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-030639	32.311	001	-	4.0.2	Rel-4	Align with 32.102	approved	F	4.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	OAM-CM
SP-030639	32.311	002	-	5.0.1	Rel-5	Align with 32.102	approved	A	5.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	OAM-CM
SP-030640	32.312	001	-	4.0.1	Rel-4	Align with 32.102 and 32.311	approved	F	4.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	OAM-CM
SP-030640	32.312	002	-	5.0.1	Rel-5	Align with 32.102 and 32.311	approved	A	5.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	OAM-CM
SP-030647	32.401	012	-	5.2.0	Rel-6	Add requirements for Measurement Job overload management	revised	B		Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-030755	32.401	012	1	6.0.0	Rel-6	Add requirements for Measurement Job overload management	approved	B	6.1.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM
SP-030645	32.403	024	-	5.4.0	Rel-5	Correction of terms used for subcounter definitions	approved	F	5.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030645	32.403	025	-	6.1.0	Rel-6	Correction of terms used for subcounter definitions	approved	A	6.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-030649	32.411	002	-	6.1.0	Rel-6	Add PM IRP compliance clause	approved	B	6.2.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM
SP-030612	32.421	002	-	6.1.0	Rel-6	Correction of IMS subscriber identification for Trace	approved	F	6.2.0	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	OAM-Trace
SP-030630	32.602	004	-	4.1.0	Rel-4	Correction of System Context	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	OAM-CM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030630	32.602	005	-	5.1.0	Rel-5	Correction of System Context	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	OAM-NIM
SP-030630	32.612	007	-	4.4.0	Rel-4	Correction of System Context	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	OAM-CM
SP-030630	32.612	008	-	5.1.1	Rel-5	Correction of System Context	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	OAM-NIM
SP-030646	32.615	011	-	4.3.1	Rel-4	Correction of the number of possible URAs from 1 to 8.	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM
SP-030646	32.615	012	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030643	32.622	010	-	5.1.0	Rel-5	Add Missing VsDataContainer for ManagedFunction & ManagedElement and Other IOCs (Version 2)	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030644	32.622	011	-	5.1.0	Rel-5	Correction of UML diagram and other corrections	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030648	32.622	012	-	5.1.0	Rel-6	Add SetofMcc attribute in Generic NRM IOCs for NRM alignment	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030648	32.623	007	-	5.1.0	Rel-6	Add SetofMcc attribute in Generic NRM IOCs for NRM alignment.	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM
SP-030642	32.624	012	-	5.1.0	Rel-5	Remove notifications from MOC managedFunction - Align with 32.622 (IS)	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030648	32.625	003	-	5.1.2	Rel-6	Add SetofMcc attribute in Generic NRM XML definition for NRM alignment	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030643	32.632	010	-	5.4.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now Covered by 32.622	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030642	32.634	003	-	5.0.0	Rel-5	Add notifications to functional objects - Align with 32.632 (IS)	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030715	32.642	013	-	4.3.0	Rel-4	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation – Align with RAN3's TS 25.433	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030715	32.642	014	-	5.2.0	Rel-5	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation - Align with RAN3's 25.433	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030646	32.642	015	-	4.3.0	Rel-4	Correction of the number of possible URAs from 1 to 8	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030646	32.642	016	-	5.2.0	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM
SP-030641	32.642	017	-	5.2.0	Rel-5	Add missing notification notifyPotentialFaultyAlarmlist	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030643	32.642	018	-	5.2.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now covered by 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030646	32.643	005	-	4.2.0	Rel-4	Correction of the number of possible URAs from 1 to 8.	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM
SP-030646	32.643	006	-	5.1.0	Rel-5	Correction of the number of possible URAs from 1 to 8.	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM
SP-030646	32.644	008	-	4.2.0	Rel-4	Correction of the number of possible URAs from 1 to 8	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM
SP-030646	32.644	009	-	5.2.0	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030642	32.644	010	-	5.2.0	Rel-5	Add notifications to functional objects - Align with 32.642 (IS)	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030646	32.645	006	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030641	32.652	016	-	5.2.0	Rel-5	Add missing notification notifyPotentialFaultyAlarmlist	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030643	32.652	017	-	5.2.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now covered by 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-030642	32.654	008	-	5.2.0	Rel-5	Add notifications to functional objects - Align with 32.652 (IS)	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-030646	32.655	005	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-030630	32.662	002	-	5.0.0	Rel-5	Correction of System Context	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Kernel CM information service	OAM-NIM
SP-030630	32.662	003	-	6.0.0	Rel-6	Correction of System Context	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM information service	OAM-NIM

E.6   CRs direct to TSG SA#21

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030574	21.101	016	-	4.9.0	Rel-4	Correction to list of specifications	approved	F	4.10.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI
SP-030574	21.101	017	-	5.4.0	Rel-5	Correction to list of specifications	approved	F	5.5.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI
SP-030575	21.900	016	-	3.6.0	R99	Make working procedures release-independent	approved	D	3.7.0	Technical Specification Group working methods	TEI
SP-030575	21.900	017	-	4.0.0	Rel-4	Make working procedures release-independent	approved	D	4.1.0	Technical Specification Group working methods	TEI

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-030575	21.900	018	-	5.0.1	Rel-5	Make working procedures release-independent	approved	D	5.1.0	Technical Specification Group working methods	TEI
SP-030575	21.900	019	-	6.0.0	Rel-6	Corrects references	approved	D	6.1.0	Technical Specification Group working methods	TEI
SP-030574	41.101	001	-	5.4.0	Rel-5	Correction to list of specifications and removal of redundant information	approved	F	5.5.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI

Annex F: Status of all 3GPP CRs after TSG SA #22 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030496	03.18	A070	1	6.7.0	R97	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	revised	F		Basic Call Handling	Camel 2	N4
NP-030579	03.18	A070	2	6.7.0	R97	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	approved	F	6.8.0	Basic Call Handling	Camel 2	N4
NP-030496	03.18	A071	-	7.4.0	R98	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	revised	A		Basic Call Handling	Camel 2	N4
NP-030579	03.18	A071	1	7.4.0	R98	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	approved	A	7.5.0	Basic Call Handling	Camel 2	N4
SP-030669	03.60	217	3	6.11.0	R97	Serving network identity from SGSN to GGSN	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030669	03.60	218	3	7.9.0	R98	Serving network identity from SGSN to GGSN	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
NP-030474	04.08	A1143	-	7.20.1	R98	Correction of MS network capability IE	approved	F	7.21.0	Mobile radio interface layer 3 specification	TEI	N1
TP-030246	11.10-4	A055	-	8.5.0	R99	Introduction of "MO Short Message Control by SIM" envelope testing	approved	B	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030246	11.10-4	A056	-	8.5.0	R99	Re-Introduction of changes already approved at the last T3.	approved	F	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030246	11.10-4	A057	-	8.5.0	R99	CR 11.10-4 R99: Essential corrections	approved	F	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030246	11.10-4	A058	-	8.5.0	R99	CR 11-10.4 R99: Essential corrections to 27.22.4.14 "POLLING OFF"	approved	F	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030246	11.10-4	A059	-	8.5.0	R99	CR 11.10-4 R99: Essential corrections to Send DTMF test cases	approved	F	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030246	11.10-4	A060	-	8.5.0	R99	Introduction of BIP testing in GPRS	approved	F	8.6.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-030247	11.11	A137	-	8.10.0	R99	Correction to procedures for service no 21, 22 and 23	approved	F	8.11.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3
TP-030247	11.11	A138	-	8.10.0	R99	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	F		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3
TP-030304	11.11	A138	1	8.10.0	R99	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	F	8.11.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030249	11.14	A218	-	8.14.0	R99	Clarification on user confirmation for OPEN CHANNEL	approved	F	8.15.0	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
SP-030574	21.101	016	-	4.9.0	Rel-4	Correction to list of specifications	approved	F	4.10.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI	SP
SP-030574	21.101	017	-	5.4.0	Rel-5	Correction to list of specifications	approved	F	5.5.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI	SP
SP-030575	21.900	016	-	3.6.0	R99	Make working procedures release-independent	approved	D	3.7.0	Technical Specification Group working methods	TEI	SP
SP-030575	21.900	017	-	4.0.0	Rel-4	Make working procedures release-independent	approved	D	4.1.0	Technical Specification Group working methods	TEI	SP
SP-030575	21.900	018	-	5.0.1	Rel-5	Make working procedures release-independent	approved	D	5.1.0	Technical Specification Group working methods	TEI	SP
SP-030575	21.900	019	-	6.0.0	Rel-6	Corrects references	approved	D	6.1.0	Technical Specification Group working methods	TEI	SP
SP-030694	21.905	053	-	6.4.0	Rel-6	Terminology addtions for IP-CAN and IP-CAN bearer	approved	F	6.5.0	Vocabulary for 3GPP Specifications	TEI6	S1
SP-030694	21.905	054	-	6.4.0	Rel-6	Modified base station definition	approved	F	6.5.0	Vocabulary for 3GPP Specifications	Vocabulary	S1
SP-030695	22.011	053	-	6.1.0	Rel-6	Administrative restriction of subscribers' access	revised	B		Service accessibility	TEI	S1
SP-030774	22.011	053	1	6.1.0	Rel-6	Administrative restriction of subscribers' access	approved	B	6.2.0	Service accessibility	TEI	S1
SP-030696	22.038	015	-	6.1.0	Rel-7	Interaction between ME and USAT applications	approved	B	7.0.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	USAT 1	S1
SP-030689	22.038	016	-	6.1.0	Rel-6	MMS as an additional data exchange capability for USAT	revised	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	MMS-R6	S1
SP-030772	22.038	016	1	6.1.0	Rel-6	Change of the term "bearer" to "data exchange capability" and removal of implementation dependent statements in TS 22.038	approved	F	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI	S1
SP-030688	22.038	017	-	5.3.0	Rel-5	Enable Cell Broadcast Bearer for USAT application while connected to UTRAN networks	approved	F	5.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI5	S1
SP-030688	22.038	018	-	6.1.0	Rel-6	Enable Cell Broadcast Bearer for USAT application while connected to UTRAN networks	approved	A	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	TEI5	S1
SP-030685	22.038	019	-	3.3.0	R99	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	F	3.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS	S1
SP-030685	22.038	020	-	4.2.0	Rel-4	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	4.3.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS	S1
SP-030685	22.038	021	-	5.3.0	Rel-5	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	5.4.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS	S1
SP-030685	22.038	022	-	6.1.0	Rel-6	Align TS 22.038 with the T3 specifications TS 11.14 and TS 31.111	approved	A	6.2.0	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	EMC1-CS	S1
SP-030697	22.071	060	-	6.5.0	Rel-6	Support of "Advanced Geographic Description" (AGD) information	rejected	B		Location Services (LCS); Stage 1	LCS1	S1
SP-030690	22.071	061	-	5.2.0	Rel-5	Removal of misleading and obsolete text	approved	F	5.3.0	Location Services (LCS); Stage 1	TEI5	S1
SP-030690	22.071	062	-	6.5.0	Rel-6	Removal of misleading and obsolete text	approved	A	6.6.0	Location Services (LCS); Stage 1	LCS1	S1
SP-030697	22.071	063	-	6.5.0	Rel-6	Correction of "velocity" requirements	approved	F	6.6.0	Location Services (LCS); Stage 1	LCS1	S1
SP-030697	22.071	064	-	6.5.0	Rel-6	Cell ID	approved	B	6.6.0	Location Services (LCS); Stage 1	LCS	S1
SP-030691	22.071	065	-	5.2.0	Rel-5	Removal of change of area event	approved	F	5.3.0	Location Services (LCS); Stage 1	LCS1	S1
SP-030698	22.078	162	-	6.2.0	Rel-6	Add criteria "inter-MSC handover" for change of position procedures	approved	F	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	TEI_6	S1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030692	22.078	163	-	5.11.0	Rel-5	CLIR/CLIP interaction with CSE initiated calls	approved	F	5.12.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030692	22.078	164	-	6.2.0	Rel-6	CLIR/CLIP interaction with CSE initiated calls	approved	A	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030693	22.078	165	-	5.11.0	Rel-5	Allowing CSE to suppress terminating CAMEL handling on new leg in existing call	approved	F	5.12.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030693	22.078	166	-	6.2.0	Rel-6	Allowing CSE to suppress terminating CAMEL handling on new leg in existing call	approved	A	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030698	22.078	167	-	6.2.0	Rel-6	CAMEL4 prepay interworking with SCUDIF	approved	B	6.3.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-030699	22.094	003	-	5.0.0	Rel-6	Notify of forced erasure to initiating subscriber A	approved	B	6.0.0	Follow Me service description - Stage 1	TEI6	S1
SP-030700	22.101	135	-	6.5.0	Rel-6	Automatic Device Detection	approved	B	6.6.0	Service aspects; Service principles	TEI	S1
SP-030700	22.101	136	-	6.5.0	Rel-6	Correction of Core Network emergency call requirements	approved	C	6.6.0	Service aspects; Service principles	EMC1	S1
SP-030687	22.101	137	-	6.5.0	Rel-6	Clarification of emergency call requirements	approved	C	6.6.0	Service aspects; Service principles	EMC1	S1
SP-030790	22.101	138	-	3.15.0	R99	Removal of unnecessary numbers from the ME default emergency number list	approved	F	3.16.0	Service aspects; Service principles	EMC1	S1
SP-030790	22.101	139	-	4.8.0	Rel-4	Removal of unnecessary numbers from the ME default emergency number list	approved	A	4.9.0	Service aspects; Service principles	EMC1	S1
SP-030790	22.101	140	-	5.11.0	Rel-5	Removal of unnecessary numbers from the ME default emergency number list	approved	A	5.12.0	Service aspects; Service principles	EMC1	S1
SP-030790	22.101	141	-	6.5.0	Rel-6	Removal of unnecessary numbers from the ME default emergency number list	approved	A	6.6.0	Service aspects; Service principles	EMC1	S1
SP-030701	22.115	016	-	6.2.0	Rel-6	CS interconnection – correction of an improper statement on the requirement for the identification of user data rate and user protocol at the interconnection point e.g. for inter-network	approved	F	6.3.0	Service Aspects Charging and billing	TEI-6	S1
SP-030686	22.115	017	-	3.3.0	R99	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point e.g. for inter-network accounting purposes	approved	F	3.4.0	Service Aspects Charging and billing	TEI	S1
SP-030686	22.115	018	-	4.0.0	Rel-4	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point for inter-network accounting purposes	approved	A	4.1.0	Service Aspects Charging and billing	TEI	S1
SP-030686	22.115	019	-	5.3.0	Rel-5	CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point for e.g. inter-network accounting purposes	approved	A	5.4.0	Service Aspects Charging and billing	TEI	S1
SP-030702	22.127	068	-	6.3.0	Rel-6	Removal of Visited Network capabilities	approved	C	6.4.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3	S1
SP-030703	22.127	069	-	6.3.0	Rel-6	Introduce High Availability requirement for OSA	rejected	F		Service Requirement for the Open Services Access (OSA); Stage 1	OSA3	S1
SP-030704	22.129	028	4	6.0.0	Rel-6	Service based handover/assignment	approved	B	6.1.0	Handover requirements between UTRAN and GERAN or other radio systems	TEI	S1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030689	22.140	039	-	6.3.0	Rel-6	MMS targetting UE elements	approved	B	6.4.0	Multimedia Messaging Service (MMS); Stage 1	MMS	S1
SP-030689	22.140	040	-	6.3.0	Rel-6	UICC interaction with MMS clients	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030773	22.140	040	1	6.3.0	Rel-6	UICC interaction with MMS clients	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030783	22.140	040	2	6.3.0	Rel-6	UICC interaction with MMS clients	approved	B	6.4.0	Multimedia Messaging Service (MMS); Stage 1	MMS-R6	S1
SP-030705	22.146	041	-	6.2.0	Rel-6	Alignment of MBMS use cases and bit rates	approved	F	6.3.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS	S1
SP-030706	22.228	022	-	6.4.0	Rel-6	Multi terminal requirement in 22.228	approved	C	6.5.0	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	IMS2	S1
SP-030707	22.240	02	-	6.1.0	Rel-6	Clarifications on general service requirements and data description requirements	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP	S1
SP-030707	22.240	03	-	6.1.0	Rel-6	Clarifications GUP data access and administration	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP	S1
SP-030707	22.240	04	-	6.1.0	Rel-6	Clarifications on GUP synchronisation	approved	F	6.2.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP	S1
SP-030652	23.002	135	4	6.2.0	Rel-6	Gq reference point	approved	B	6.3.0	Network architecture	QoS1	S2
NP-030505	23.003	074	4	5.7.0	Rel-5	Changes to enable the GSMA root DNS architecture	rejected	F		Numbering, addressing and identification	TEI5	N4
NP-030499	23.003	075	-	3.13.0	R99	On the length of the APN NI	approved	F	3.14.0	Numbering, addressing and identification	TEI	N4
NP-030499	23.003	076	-	4.7.0	Rel-4	On the length of the APN NI	approved	A	4.8.0	Numbering, addressing and identification	TEI	N4
NP-030499	23.003	077	-	5.7.0	Rel-5	On the length of the APN NI	approved	A	5.8.0	Numbering, addressing and identification	TEI	N4
NP-030499	23.003	078	-	6.0.0	Rel-6	On the length of the APN NI	approved	A	6.1.0	Numbering, addressing and identification	TEI	N4
NP-030505	23.003	079	1	6.0.0	Rel-6	Changes to enable the GSMA root DNS architecture	rejected	A		Numbering, addressing and identification	TEI5	N4
NP-030504	23.003	080	-	5.7.0	Rel-5	Changes and corrections to DNS names	approved	F	5.8.0	Numbering, addressing and identification	TEI5	N4
NP-030504	23.003	081	-	6.0.0	Rel-6	Changes and corrections to DNS names	approved	A	6.1.0	Numbering, addressing and identification	TEI5	N4
NP-030506	23.003	082	-	5.7.0	Rel-5	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	revised	F		Numbering, addressing and identification	TEI5	N4
NP-030574	23.003	082	1	5.7.0	Rel-5	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	revised	F		Numbering, addressing and identification	TEI_5	N4
NP-030577	23.003	082	2	5.7.0	Rel-5	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	approved	F	5.8.0	Numbering, addressing and identification	TEI_5	N4
NP-030506	23.003	083	-	6.0.0	Rel-6	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	revised	A		Numbering, addressing and identification	TEI5	N4
NP-030575	23.003	083	1	6.0.0	Rel-6	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	revised	A		Numbering, addressing and identification	TEI_5	N4
NP-030578	23.003	083	2	6.0.0	Rel-6	Changes to enable the GSMA root DNS architecture using ".3gppnetwork.org" TLD	approved	A	6.1.0	Numbering, addressing and identification	TEI_5	N4
NP-030497	23.007	009	-	3.5.0	R99	Restoration of data in RA update	approved	F	3.6.0	Restoration procedures	GPRS	N4
NP-030497	23.007	010	-	4.1.1	Rel-4	Restoration of data in RA update	approved	A	4.2.0	Restoration procedures	GPRS	N4
NP-030497	23.007	011	-	5.0.0	Rel-5	Restoration of data in RA update	approved	A	5.1.0	Restoration procedures	GPRS	N4
NP-030502	23.008	126	-	5.6.0	Rel-5	Registration status	approved	F	5.7.0	Organisation of subscriber data	IMS	N4
NP-030517	23.008	127	4	5.6.0	Rel-6	Services related to unregistered state	approved	F	6.0.0	Organisation of subscriber data	TEI6	N4
NP-030502	23.008	128	1	5.6.0	Rel-5	Correct table of IMS elements	approved	F	5.7.0	Organisation of subscriber data	TEI5	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030473	23.009	100	-	4.8.0	Rel-4	Correcting a mistake in previously approved category A of its Rel99 category F CR 091 Rev 1 in NP-030041	approved	F	4.9.0	Handover procedures	GSM/ UMTS interw orking	N1
NP-030473	23.009	101	-	5.6.0	Rel-5	Correcting a mistake in previously approved category A of its Rel99 category F CR 091 Rev 1 in NP-030041	approved	A	5.7.0	Handover procedures	GSM/ UMTS interw orking	N1
NP-030515	23.018	126	1	6.0.0	Rel-6	Collective CR for Rel-6 Enhanced Dialled Services	approved	B	6.1.0	Basic Call Handling; Technical realization	EDCa mel	N4
TP-030267	23.041	015	-	5.1.0	Rel-5	CB Data structure	approved	F	5.2.0	Technical realization of Cell Broadcast Service (CBS)	TEI5	T2
TP-030267	23.041	016	-	6.1.0	Rel-6	CB Data structure	approved	A	6.2.0	Technical realization of Cell Broadcast Service (CBS)	TEI5	T2
TP-030257	23.048	036	-	5.7.0	Rel-5	Cell Broadcast Data Download secure messages in UMTS	approved	F	5.8.0	Security mechanisms for the (U)SIM application toolkit; Stage 2	TEI	T3
SP-030653	23.060	434	8	6.2.0	Rel-6	Security Issue with Multiple PDP Contexts	approved	B	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030653	23.060	444	4	3.15.0	R99	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	F	3.16.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	459	1	4.8.0	Rel-4	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	4.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	460	1	5.6.0	Rel-5	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	461	2	6.2.0	Rel-6	Paging with RNTI followed by CN identity to solve issues of UTRAN-UE RRC mis-synchronisation causing lost CS domain calls	approved	A	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	465	4	3.15.0	R99	PFI correction	approved	F	3.16.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	466	2	4.8.0	Rel-4	PFI correction	approved	A	4.9.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	467	2	5.6.0	Rel-5	PFI correction	approved	A	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	468	-	6.2.0	Rel-6	PFI correction	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	469	-	6.2.0	Rel-6	Teardown indicator in DEACTIVATE PDP CONTEXT ACCEPT message	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
SP-030669	23.060	471	3	3.15.0	R99	Serving network identity from SGSN to GGSN	rejected	F		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030669	23.060	472	3	4.8.0	Rel-4	Serving network identity from SGSN to GGSN	rejected	A		General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	473	3	5.6.0	Rel-5	Serving network identity from SGSN to GGSN	approved	F	5.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	474	3	6.2.0	Rel-6	Serving network identity from SGSN to GGSN	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	475	1	6.2.0	Rel-6	SGSN behaviour on BSS downgraded ABQP	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030653	23.060	478	3	6.2.0	Rel-6	BSS PFC procedures at PDP context modification	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI	S2
SP-030653	23.060	480	-	6.2.0	Rel-6	BSS paging co-ordination for A/Gb mode	approved	F	6.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI6	S2
NP-030509	23.066	027	-	5.2.0	Rel-5	Incorrect implementation of CR 023r1	approved	F	5.3.0	Support of GSM Mobile Number Portability (MNP) stage 2	MNP	N4
NP-030509	23.066	028	1	5.2.0	Rel-5	MNP correction for prepaid charging	approved	F	5.3.0	Support of GSM Mobile Number Portability (MNP) stage 2	MNP	N4
NP-030526	23.078	553	3	5.5.1	Rel-6	Collective CR for Release 6 Enhanced Dialled Services	approved	B	6.0.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	EDCA MEL	N2
NP-030523	23.078	568	2	5.5.1	Rel-5	CLIR/CLIP interaction with CSE initiated calls	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030523	23.078	613	1	5.5.1	Rel-5	Handling AC Pending if ETC/ CTR fails	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	619	3	5.5.1	Rel-5	CAMEL Leg Handling	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	624	1	5.5.1	Rel-5	CAMEL DP Leg Handling	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	627	-	5.5.1	Rel-5	Correction to MAP SRI between gsmSCF and HLR - Supported CAMEL Phases shall be Mandatory	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	628	1	5.5.1	Rel-5	Removal of Int_Continue from process ICA_MSC	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030523	23.078	629	-	5.5.1	Rel-5	Remove contents table for MNP Requested Info parameter	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	631	2	5.5.1	Rel-5	Correction to MAP SRI between gsmSCF and HLR - HLR shall use TS11	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030523	23.078	633	1	5.5.1	Rel-5	Reporting Basic Service at DP Answer for SCUDIF calls	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030523	23.078	634	1	5.5.1	Rel-5	SDL handling of DisconnectFromIPForbidden handling in Assisting SSF case	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030522	23.078	636	1	5.5.1	Rel-5	CAMEL User interaction at alerting and MidCall	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030530	23.078	637	3	5.5.1	Rel-5	Extension of QoS for HSDPA in GPRS CAMEL	rejected	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-030524	23.078	641	-	5.5.1	Rel-5	Using Suppress T-CSI in ICA for NP call legs	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030522	23.078	642	1	5.5.1	Rel-5	Use of Continue With Argument for gsmSCF initiated calls	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030523	23.078	643	-	5.5.1	Rel-5	Inclusion of DP O_Term_Seized in CAMEL Phase 4 Partial Implementation	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030522	23.078	644	-	5.5.1	Rel-5	Correction to Disconnect Leg handling – gsmSSF shall send charging reports	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030528	23.078	645	1	5.5.1	Rel-6	Change of position armed with criteria (check criteria in MSC)	approved	B	6.0.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI_6	N2
NP-030531	23.078	646	-	5.5.1	Rel-5	Extension of QoS for HSDPA in GPRS CAMEL	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-030528	23.078	647	1	5.5.1	Rel-6	Enhancements for the Partial Implementation for "Change of position procedure armed with criteria"	approved	B	6.0.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI_6	N2
NP-030503	23.079	027	-	5.3.0	Rel-5	Correction to MAP RCH – GMSC shall check Offered CAMEL4 CSIs	approved	F	5.4.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	CAMEL4	N4
NP-030517	23.094	003	1	5.0.1	Rel-6	Notify of forced erasure to previously regisstered subscriber of his deregistration	approved	B	6.0.0	Follow Me Stage 2	TEI6	N4
SP-030654	23.107	144	-	5.10.0	Rel-5	Radio Access Bearer Service Attributes for GERAN	approved	F	5.11.0	Quality of Service (QoS) concept and architecture	E2EQoS	S2
SP-030654	23.107	145	-	5.10.0	Rel-6	Radio Access Bearer Service Attributes for GERAN	approved	F	6.0.0	Quality of Service (QoS) concept and architecture	E2EQoS	S2
TP-030268	23.140	140	-	6.3.0	Rel-6	Correction in MM1-MM4/MM7 header mapping	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	141	-	6.3.0	Rel-6	Clarifying the Element of Information "Linked ID"	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	142	-	6.3.0	Rel-6	Cleaning up last references to RFC822, and deletion of non existing /TYPE=rfc822	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	143	-	6.3.0	Rel-6	Conditional delivery mechanism for MMS	approved	B	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	144	-	6.3.0	Rel-6	Automatic and Manual Retrieval Modes	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	145	-	6.3.0	Rel-6	MM4 addressing	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	146	-	6.3.0	Rel-6	Addition of missing MM7 Delivery report status codes	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	147	-	6.3.0	Rel-6	MM7, Allow Adaptations default value	approved	F	6.4.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-030268	23.140	148	-	5.8.0	Rel-5	Correcting references to ENUM & HLR	approved	F	5.9.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MESS5-MMS	T2
NP-030564	23.172	019	1	5.2.0	Rel-5	Corrections on HLR interrogation	approved	F	5.3.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUDIF	N3
NP-030564	23.172	021	1	5.2.0	Rel-5	CAMEL interactions with SCUDIF calls	approved	F	5.3.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUDIF	N3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030655	23.195	009	-	5.1.0	Rel-5	Change to editor's note	approved	F	5.2.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
SP-030656	23.207	061	3	6.0.0	Rel-6	Procedures in the AF	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-030656	23.207	062	1	6.0.0	Rel-6	Information exchanged via Gq interface	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-030656	23.207	063	1	6.0.0	Rel-6	Procedures in the PDF	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-030656	23.207	064	-	6.0.0	Rel-6	Editorial corrections to 23.207	approved	D	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-030656	23.207	065	2	6.0.0	Rel-6	Gq-related updates to the signaling flows	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-030656	23.207	066	3	6.0.0	Rel-6	Requirements for IM CN Subsystem signalling flag	approved	B	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	IMS2	S2
SP-030656	23.207	067	-	6.0.0	Rel-6	Defintion of the Application Function	approved	F	6.1.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
NP-030475	23.218	053	3	5.6.0	Rel-5	Flow number corrections in Annex B	approved	F	5.7.0	IP Multimedia (IM) session handling; IM call model; Stage 2	IMS-CCR	N1
NP-030482	23.218	059	-	5.6.0	Rel-6	Corrections on charging specification number	approved	F	6.0.0	IP Multimedia (IM) session handling; IM call model; Stage 2	IMS2	N1
SP-030658	23.228	352	-	6.3.0	Rel-6	Terminology correction on "IMS User"	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	353	2	6.3.0	Rel-6	Forking preferences	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	358	-	6.3.0	Rel-6	Clarification of user data storage	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	359	2	6.3.0	Rel-6	Introduction of Session based messaging architecture	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	361	-	6.3.0	Rel-6	PSTN-initiated Hold and Resume of a Mobile-PSTN Session	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	362	1	6.3.0	Rel-6	PSI User	revised	C		IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030778	23.228	362	2	6.3.0	Rel-6	PSI User	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	365	1	6.3.0	Rel-6	Transfer of CSCF capability on Cx	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	366	1	6.3.0	Rel-6	Support of Multi-terminals	approved	F	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	367	1	5.10.0	Rel-5	Restrictions on Sessions without IMS required capabilities	revised	F		IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030778	23.228	367	2	5.10.0	Rel-5	Restrictions on Sessions without IMS required capabilities	approved	F	5.11.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030658	23.228	368	2	6.3.0	Rel-6	Forking support in MGCF and AS	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	369	3	6.3.0	Rel-6	AS originated sessions	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	371	2	6.3.0	Rel-6	Requirements for IM CN Subsystem signalling flag	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	375	2	6.3.0	Rel-6	Terminal Capability with SIP Registration	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	377	1	5.10.0	Rel-5	Clarification of Trust Domain restriction for IMS	approved	F	5.11.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-030658	23.228	378	1	6.3.0	Rel-6	Clarification of Trust Domain for IMS	approved	B	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	379	1	6.3.0	Rel-6	HSS as database for the PSI handling	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030658	23.228	380	1	6.3.0	Rel-6	PSI corrections	approved	C	6.4.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-030659	23.240	007	1	6.1.0	Rel-6	Selection of the GUP Server mode of operation	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030659	23.240	009	1	6.1.0	Rel-6	Notification Reference	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030659	23.240	010	2	6.1.0	Rel-6	Subscribe Operation, Subscription Status	approved	B	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030659	23.240	011	1	6.1.0	Rel-6	GUP information model improvement	approved	C	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030659	23.240	012	1	6.1.0	Rel-6	GUP Annex B terminal Capability negotiation for IMS	approved	F	6.2.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-030660	23.246	001	5	6.0.0	Rel-6	Inclusion of GERAN attributes and parameters in MBMS	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	002	4	6.0.0	Rel-6	Inclusion of GERAN functionality in MBMS Notification procedure and session ID	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	003	4	6.0.0	Rel-6	Inclusion of GERAN functionality in MBMS procedures	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	007	4	6.0.0	Rel-6	Clarification of MBMS UE Context plus GERAN functionality	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	008	1	6.0.0	Rel-6	Apply TMGI for Broadcast Service	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	015	3	6.0.0	Rel-6	MBMS point to point repair/charging/decrypt service	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	016	2	6.0.0	Rel-6	Optional provision of duration of the session	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	020	2	6.0.0	Rel-6	Corrections for TMGI, linked NSAPI and service ID	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	021	1	6.0.0	Rel-6	Removal of superfluous procedures	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	022	2	6.0.0	Rel-6	Verification of UE bearer capabilities	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	023	1	6.0.0	Rel-6	Various corrections and clarifications	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	026	2	6.0.0	Rel-6	Clarification on MBMS deactivation figure	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	027	2	6.0.0	Rel-6	MBMS Service Request Procedure	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	028	-	6.0.0	Rel-6	Removal of BG from MBMS Architecture Figure	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-030660	23.246	030	-	6.0.0	Rel-6	Removal of security information in TS 23.246	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030757	23.271	186	3	6.5.0	Rel-6	Introduction of LCS QoS Class	rejected	B		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	186	3	6.5.0	Rel-6	Introduction of LCS QoS Class	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	213	4	6.5.0	Rel-6	Additional privacy check in defered location request cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	213	4	6.5.0	Rel-6	Additional privacy check in defered location request cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	214	1	6.5.0	Rel-6	Clarifications on start time and stop time	withdrawn	C		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	214	1	6.5.0	Rel-6	Clarifications on start time and stop time	withdrawn	C		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	220	1	6.5.0	Rel-6	Correction of the UE available event	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	220	1	6.5.0	Rel-6	Correction of the UE available event	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	223	2	6.5.0	Rel-6	H-GMLC for last known location	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	224	-	6.5.0	Rel-6	Update of reference to SIP RFC	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	approved	F	5.9.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	225	-	5.8.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	approved	B	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	226	3	6.5.0	Rel-6	Cell ID and SAI	withdrawn	B		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in Rel 5	approved	F	5.9.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in R5	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	228	2	5.8.0	Rel-5	Enhanced LDR reference number in R5	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	229	2	6.5.0	Rel-6	Enhanced LDR reference number in Rel 6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS	S2
SP-030661	23.271	229	2	6.5.0	Rel-6	Enhanced LDR reference number in Rel 6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS	S2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030757	23.271	230	3	6.5.0	Rel-6	Correction of UE available event cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	230	3	6.5.0	Rel-6	Correction of UE available event cancellation procedure	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address.	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	232	-	6.5.0	Rel-6	Clarification of the format of V-GMLC address	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external IDs, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6.	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external Ids, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	233	-	6.5.0	Rel-6	Correction to the way that PPR handles the pseudo external Ids, during the LCS authorization process, when the visited MSC/SGSN is pre Rel-6	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030757	23.271	234	1	6.5.0	Rel-6	Charging alignment for LCS	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030661	23.271	234	1	6.5.0	Rel-6	Charging alignment for LCS	withdrawn	F		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	236	-	6.5.0	Rel-6	Combined S2-033470(CR214r1), S2-034390(CR213r4) and S2-034388(CR230r3) on LCS2	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-030779	23.271	237	-	6.5.0	Rel-6	Combined S2-034056(CR234r1), S2-034353(CR229r2) and S2-033469(CR220r1) on LCS2	approved	F	6.6.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
NP-030525	23.278	046	1	5.4.0	Rel-5	Correction to the definition of interfaces for the IM-SSF	approved	F	5.5.0	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	IMS-CAMEL	N2
NP-030485	24.007	059	1	5.1.0	Rel-6	Don't use SAPI to differentiate between messages of the same message type.	approved	F	6.0.0	Mobile radio interface signalling layer 3; General Aspects	TEI6	N1
NP-030485	24.008	803	2	6.2.0	Rel-6	TFT error handling	approved	F	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030485	24.008	816	-	6.2.0	Rel-6	ePLMN list extension	approved	C	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030485	24.008	818	1	6.2.0	Rel-6	SM signalling in case tear down is requested	approved	F	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030487	24.008	819	-	6.2.0	Rel-6	Addition of multiple TBF capability flag to MS RAC IE	approved	B	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	MULTBF-Agbmode	N1
NP-030485	24.008	820	-	6.2.0	Rel-6	Order of frequency bands in MS Radio Access Capability IE	approved	F	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030481	24.008	821	-	5.9.0	Rel-5	Correction to the Multislot Power Profile Classes	approved	F	5.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030481	24.008	822	-	6.2.0	Rel-6	Correction to the Multislot Power Profile Classes	approved	A	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030485	24.008	823	-	6.2.0	Rel-6	Correction of timer handling in diagram 4.7.7a	approved	D	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030485	24.008	826	-	6.2.0	Rel-6	Removal of codepoint for GTP ack mode	approved	F	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030485	24.008	827	-	6.2.0	Rel-6	SSD and Signalling indication in QoS IE	approved	F	6.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI6	N1
NP-030571	24.008	830	-	5.9.0	Rel-5	SSD and Signalling indication in QoS IE	approved	F	5.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI5	N1
NP-030566	24.022	013	1	5.4.0	Rel-5	Terminology clarification	approved	F	5.5.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	TEI	N3
NP-030514	24.030	014	1	5.1.0	Rel-6	Deferred MT-LR Area Event	approved	B	6.0.0	Location Services (LCS); Supplementary service operations; Stage 3	LCS2	N4
NP-030514	24.080	031	2	5.4.0	Rel-6	Deferred MT-LR Area Event	approved	B	6.0.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	LCS2	N4
NP-030475	24.228	119	-	5.6.0	Rel-5	Correction to description or RES/XRES usage	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030475	24.228	120	1	5.6.0	Rel-5	'Roaming' word and CS-O sessions	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030475	24.228	121	1	5.6.0	Rel-5	Corrections regarding SDP handling	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030475	24.228	122	-	5.6.0	Rel-5	Correction of reregistration flow	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030475	24.228	123	1	5.6.0	Rel-5	Correction of flow in 6.9.3	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030475	24.228	124	1	5.6.0	Rel-5	Corrections to the P-Access-Network-Info header (Part 1)	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030475	24.228	125	1	5.6.0	Rel-5	Corrections to the P-Access-Network-Info header (Part 2)	approved	F	5.7.0	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030476	24.229	485	1	5.6.0	Rel-5	INVITE dialog amendments in profile	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030482	24.229	487	1	6.0.0	Rel-6	Registration amendments in profile	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030482	24.229	489	-	6.0.0	Rel-6	Privacy considerations for the UE	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030476	24.229	493	-	6.0.0	Rel-6	INVITE dialog amendments in profile	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030482	24.229	494	-	6.0.0	Rel-6	Correction of I-CSCF handling of multiple private user identities with same public user identity	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030476	24.229	495	1	5.6.0	Rel-5	P-Asserted-Identity in SUBSCRIBE requests	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030476	24.229	496	1	6.0.0	Rel-6	P-Asserted-Identity in SUBSCRIBE requests	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030482	24.229	497	-	6.0.0	Rel-6	Addition of reference to Gq interface	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030476	24.229	502	2	5.6.0	Rel-5	Update of HSS information at deregistration	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030476	24.229	503	2	6.0.0	Rel-6	Update of HSS information at deregistration	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030482	24.229	507	-	6.0.0	Rel-6	Unavailable definitions	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030476	24.229	508	-	5.6.0	Rel-5	Reference corrections	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030476	24.229	509	-	6.0.0	Rel-6	Reference corrections	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030484	24.229	510	1	6.0.0	Rel-6	UICC related changes for IMS commonality and interoperability	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030484	24.229	511	-	6.0.0	Rel-6	Interoperability and commonality; definition of scope	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030484	24.229	512	-	6.0.0	Rel-6	Interoperability and commonality; addition of terminology	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030484	24.229	513	-	6.0.0	Rel-6	Interoperability and commonality; media grouping	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030484	24.229	515	-	6.0.0	Rel-6	Interoperability and commonality; charging information	approved	B	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030482	24.229	518	1	6.0.0	Rel-6	Profile support of RFC 3326: The Reason Header Field for the Session Initiation Protocol	approved	B	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030482	24.229	519	-	6.0.0	Rel-6	Profile support of RFC 3581: An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing	approved	B	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030484	24.229	522	1	6.0.0	Rel-6	Clause 9 restructuring	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-030477	24.229	523	2	5.6.0	Rel-5	Correct use of RAND during re-synchronisation failures	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030477	24.229	524	2	6.0.0	Rel-6	Correct use of RAND during re-synchronisation failures	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030478	24.229	525	1	5.6.0	Rel-5	Correction to description or RES/XRES usage	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	526	1	6.0.0	Rel-6	Correction to description or RES/XRES usage	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030483	24.229	529	-	6.0.0	Rel-6	Corrections on charging specification number	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030479	24.229	530	2	5.6.0	Rel-5	Corrections on ICID for REGISTER	revised	F		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030581	24.229	530	3	5.6.0	Rel-5	Corrections on ICID for REGISTER	Approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030465	24.229	530	3	5.6.0	Rel-5	Corrections on ICID for REGISTER	Withdrawn	F		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030479	24.229	531	2	6.0.0	Rel-6	Corrections on ICID for REGISTER	revised	A		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030581	24.229	531	3	6.0.0	Rel-6	Corrections on ICID for REGISTER	Approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030466	24.229	531	3	6.0.0	Rel-6	Corrections on ICID for REGISTER	Withdrawn	A		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	542	1	5.6.0	Rel-5	Correction of user initiated re-registration	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	543	1	6.0.0	Rel-6	Correction of user initiated re-registration	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	550	1	5.6.0	Rel-5	IMS trust domain in Rel 5	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030483	24.229	551	1	6.0.0	Rel-6	IMS trust domain in Rel 6	approved	C	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030478	24.229	555	1	5.6.0	Rel-5	P-CSCF and UE handling of Security Associations	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	556	1	6.0.0	Rel-6	P-CSCF and UE handling of Security Associations	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030483	24.229	560	2	6.0.0	Rel-6	SDP offer handling in SIP responses in S-CSCF and P-CSCF	approved	B	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030483	24.229	564	1	6.0.0	Rel-6	SIP compression	approved	F	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030478	24.229	565	-	5.6.0	Rel-5	Sending challenge	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030478	24.229	566	-	6.0.0	Rel-6	Sending challenge	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030480	24.229	567	2	5.6.0	Rel-5	Reg-await-auth timer value	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030480	24.229	568	2	6.0.0	Rel-6	Reg-await-auth timer value	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030480	24.229	570	1	5.6.0	Rel-5	Network initiated deregistration	approved	F	5.7.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030480	24.229	571	1	6.0.0	Rel-6	Network initiated deregistration	approved	A	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-030483	24.229	572	-	6.0.0	Rel-6	Text harmonisation with 3GPP2	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030483	24.229	573	1	6.0.0	Rel-6	Procedures in the absence of UICC	approved	B	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-030483	24.229	575	1	6.0.0	Rel-6	P-Access-Network-Info changes	approved	D	6.1.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
RP-030595	25.101	272	1	5.8.0	Rel-5	Correction for FRC test in Closed loop mode 1	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	273	1	5.8.0	Rel-5	DTX handling for CQI test in fading channel	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030607	25.101	274	1	6.2.0	Rel-6	SML definition	revised	D		User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030720	25.101	274	2	6.2.0	Rel-6	SML definition	approved	D	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030595	25.101	275	-	5.8.0	Rel-5	Power allocation for HS-SCCH in FRC test	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	276	1	5.8.0	Rel-5	Corrections of CQI reporting section	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030596	25.101	277	-	5.8.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	TEI5	R4
RP-030596	25.101	278	-	6.2.0	Rel-6	Correction of references to ITU recommendations	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI5	R4
RP-030605	25.101	280	1	6.2.0	Rel-6	DS-CDMA Introduction in the 800 MHz Band	approved	B	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS 800	R4
RP-030608	25.101	281	-	6.2.0	Rel-6	Specification of HSDPA FRC Performance for H-Set 6	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030608	25.101	282	1	6.2.0	Rel-6	Specification of HS-SCCH Performance with Open Loop Transmit Diversity	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	283	2	5.8.0	Rel-5	Additional Specification of CQI Testing for UE Capability Categories 11 and 12	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030608	25.101	284	1	6.2.0	Rel-6	Specification of CQI Testing for UE Capability Categories 11, 12 and 1-6 in Open and Closed Loop Transmit Diversities	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030608	25.101	285	1	6.2.0	Rel-6	Specification of CQI Testing for UE Capability Categories 7 and 8	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030604	25.101	286	2	6.2.0	Rel-6	Introduction of UMTS 850 requirements	approved	B	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS 850	R4
RP-030607	25.101	294	-	6.2.0	Rel-6	New Compressed Mode Reference Pattern	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030595	25.101	296	3	5.8.0	Rel-5	Clarification to HSDPA OCNS definition	approved	F	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	297	3	6.2.0	Rel-6	Clarification to HSDPA OCNS definition	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030590	25.101	300	1	3.15.0	R99	Correction of W-CDMA modulated interferer definition	approved	F	3.16.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030590	25.101	301	1	4.9.0	Rel-4	Correction of W-CDMA modulated interferer definition	approved	A	4.10.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030595	25.101	302	-	6.2.0	Rel-6	Power allocation for HS-SCCH in FRC test	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	303	-	6.2.0	Rel-6	Corrections of CQI reporting section	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	304	-	6.2.0	Rel-6	Correction for FRC test in Closed loop mode 1	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030595	25.101	305	-	6.2.0	Rel-6	DTX handling for CQI test in fading channel	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030590	25.101	306	-	5.8.0	Rel-5	Correction of W-CDMA modulated interferer definition	approved	A	5.9.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030590	25.101	307	-	6.2.0	Rel-6	Correction of W-CDMA modulated interferer definition	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-030603	25.101	308	-	6.2.0	Rel-6	Introduction of new channel arrangement for bands IV, V and VI	approved	B	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS 850, UMTS 800,UMTS1721	R4
RP-030595	25.101	309	1	6.2.0	Rel-6	Additional Specification of CQI Testing for UE Capability Categories 11 and 12	approved	A	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-030605	25.101	314	-	6.2.0	Rel-6	DS CDMA introduction in the 800 MHz band (performance requirement in Band VI)	approved	B	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS 800	R4
RP-030605	25.101	315	-	6.2.0	Rel-6	DS CDMA introduction in the 800 MHz band (Addition of spurious emissions requirement)	approved	B	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS 800	R4
RP-030607	25.101	316	-	6.2.0	Rel-6	Additional spurious emission requirements for Band II to protect UMTS850	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030607	25.101	317	-	6.2.0	Rel-6	Clarification of UE blocking definition	approved	F	6.3.0	User Equipment (UE) radio transmission and reception (FDD)	TEI6	R4
RP-030596	25.102	141	-	5.5.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.6.0	User Equipment (UE) radio transmission and reception (TDD)	TEI5	R4
RP-030607	25.102	142	-	5.5.0	Rel-6	Transmitter and Receiver Spurious emisssions for TDD	approved	F	6.0.0	User Equipment (UE) radio transmission and reception (TDD)	TEI6	R4
RP-030597	25.104	201	1	5.7.0	Rel-5	Correction of the P-CPICH power accuracy requirement in case of TX-diversity	approved	F	5.8.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4
RP-030597	25.104	202	1	6.3.0	Rel-6	Correction of the P-CPICH power accuracy requirement in case of TX-diversity	approved	A	6.4.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4
RP-030596	25.104	203	-	5.7.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.8.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4
RP-030596	25.104	204	-	6.3.0	Rel-6	Correction of references to ITU recommendations	approved	A	6.4.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030605	25.104	206	1	6.3.0	Rel-6	DS-CDMA Introduction in the 800 MHz Band	approved	B	6.4.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS 800	R4
RP-030604	25.104	207	1	6.3.0	Rel-6	Introduction of UMTS 850 requirements	approved	B	6.4.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS 850	R4
RP-030598	25.104	208	-	5.7.0	Rel-5	Correction of the applicability of requirements in case of TX diversity	approved	F	5.8.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4
RP-030598	25.104	209	-	6.3.0	Rel-6	Correction of the applicability of requirements in case of TX diversity	approved	A	6.4.0	Base Station (BS) radio transmission and reception (FDD)	TEI5	R4
RP-030603	25.104	210	-	6.3.0	Rel-6	Introduction of new channel arrangement for bands IV, V and VI	approved	B	6.4.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS 850, UMTS 800,UMTS1721	R4
RP-030607	25.104	211	-	6.3.0	Rel-6	Introduction of DCH performances for BS without RX diversity	approved	B	6.4.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-030606	25.104	213	-	6.3.0	Rel-6	Co-existence with UTRA FDD in frequency band V	approved	F	6.4.0	Base Station (BS) radio transmission and reception (FDD)	TEI6	R4
RP-030605	25.104	214	-	6.3.0	Rel-6	DS CDMA introduction in the 800 MHz band (performance requirement in Band VI)	approved	B	6.4.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS 800	R4
RP-030596	25.105	151	-	5.4.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.5.0	UTRA (BS) TDD: Radio transmission and reception	TEI5	R4
RP-030596	25.106	027	-	5.6.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.7.0	UTRA repeater radio transmission and reception	TEI5	R4
RP-030593	25.106	028	1	4.6.0	Rel-4	Spurious emissions: Co-existence with UTRA-FDD BS new UL requirement	approved	F	4.7.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-030593	25.106	029	1	5.6.0	Rel-5	Spurious emissions: Co-existence with UTRA-FDD BS new UL requirement	approved	A	5.7.0	UTRA repeater radio transmission and reception	RInImp-REP	R4
RP-030600	25.113	021	-	5.4.0	Rel-5	Performance criteria for voltage dips and battery backup	approved	F	5.5.0	Base station and repeater electromagnetic compatibility (EMC)	TEI5	R4
RP-030596	25.113	022	-	5.4.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.5.0	Base station and repeater electromagnetic compatibility (EMC)	TEI5	R4
RP-030591	25.123	322	-	3.13.0	R99	out-of-service area for 3.84Mcps TDD	approved	F	3.14.0	Requirements for support of radio resource management (TDD)	TEI	R4
RP-030591	25.123	323	-	4.10.0	Rel-4	out-of-service area for 3.84Mcps TDD	approved	A	4.11.0	Requirements for support of radio resource management (TDD)	TEI	R4
RP-030591	25.123	324	-	5.6.0	Rel-5	out-of-service area for 3.84Mcps TDD	approved	A	5.7.0	Requirements for support of radio resource management (TDD)	TEI	R4
RP-030591	25.123	325	-	4.10.0	Rel-4	out-of-service area for 1.28Mcps TDD	approved	F	4.11.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030591	25.123	326	-	5.6.0	Rel-5	out-of-service area for 1.28Mcps TDD	approved	A	5.7.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030601	25.123	327	-	5.6.0	Rel-5	Test time Reduction for 3.84Mcps TDD	approved	F	5.7.0	Requirements for support of radio resource management (TDD)	TEI5	R4
RP-030601	25.123	328	-	5.6.0	Rel-5	Test time Reduction for 1.28Mcps TDD	approved	F	5.7.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030607	25.123	329	-	5.6.0	Rel-6	Interference measurement in UpPTS for 1.28Mcps TDD	approved	B	6.0.0	Requirements for support of radio resource management (TDD)	TEI6	R4
RP-030594	25.123	330	-	4.10.0	Rel-4	Correction to Cell re-selection test case in CELL_FACH for 1,28Mcps TDD	approved	F	4.11.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030594	25.123	331	-	5.6.0	Rel-5	Correction to Cell re-selection test case in CELL_FACH for 1,28Mcps TDD	approved	A	5.7.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030594	25.123	332	-	4.10.0	Rel-4	Test case for UE transmitted power for 1.28Mcps TDD	approved	F	4.11.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030594	25.123	333	-	5.6.0	Rel-5	Test case for UE transmitted power for 1.28Mcps TDD	approved	A	5.7.0	Requirements for support of radio resource management (TDD)	LCRT DD-RF	R4
RP-030602	25.133	617	-	5.8.0	Rel-5	Clarification on filtering requirements	approved	F	5.9.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030602	25.133	618	-	6.3.0	Rel-6	Clarification on filtering requirements	approved	A	6.4.0	Requirements for support of radio resource management (FDD)	TEI5	R4
RP-030592	25.133	619	1	3.15.0	R99	GSM test case on correct reporting of GSM neighbors	approved	F	3.16.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	620	1	4.10.0	Rel-4	GSM test case on correct reporting of GSM neighbors	approved	A	4.11.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	621	1	5.8.0	Rel-5	GSM test case on correct reporting of GSM neighbors	approved	A	5.9.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	622	1	6.3.0	Rel-6	GSM test case on correct reporting of GSM neighbors	approved	A	6.4.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030607	25.133	626	-	6.3.0	Rel-6	FDD Inter Frequency Fading Test Case	revised	F		Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030720	25.133	626	1	6.3.0	Rel-6	FDD inter frequency fading test case	approved	F	6.4.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030607	25.133	627	-	6.3.0	Rel-6	Correction to CPICH RSCP measurement report mapping	approved	F	6.4.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030607	25.133	628	-	6.3.0	Rel-6	Correction to correct reporting of neighbours in AWGN propagation condition	approved	F	6.4.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030607	25.133	629	-	6.3.0	Rel-6	Correction to correct reporting of neighbours in fading propagation condition	approved	F	6.4.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030592	25.133	632	-	3.15.0	R99	Correction to Random Access test case	approved	F	3.16.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	633	-	4.10.0	Rel-4	Correction to Random Access test case	approved	A	4.11.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	634	-	5.8.0	Rel-5	Correction to Random Access test case	approved	A	5.9.0	Requirements for support of radio resource management (FDD)	TEI	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030592	25.133	635	-	6.3.0	Rel-6	Correction to Random Access test case	approved	A	6.4.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030607	25.133	636	-	6.3.0	Rel-6	Test time reduction for RRM delay tests	approved	F	6.4.0	Requirements for support of radio resource management (FDD)	TEI6	R4
RP-030592	25.133	637	1	3.15.0	R99	CPICH Ec/Io relative accuracy	approved	F	3.16.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	638	1	4.10.0	Rel-4	CPICH Ec/Io relative accuracy	approved	A	4.11.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	639	1	5.8.0	Rel-5	CPICH Ec/Io relative accuracy	approved	A	5.9.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030592	25.133	640	1	6.3.0	Rel-6	CPICH Ec/Io relative accuracy	approved	A	6.4.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-030597	25.141	320	1	5.7.0	Rel-5	Correction of the P-CPICH power accuracy test in case of TX-diversity	approved	F	5.8.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030599	25.141	321	1	5.7.0	Rel-5	Correction of transmitter tests in case of TX-diversity	approved	F	5.8.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030597	25.141	322	1	6.3.0	Rel-6	Correction of the P-CPICH power accuracy test in case of TX-diversity	approved	A	6.4.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030599	25.141	323	1	6.3.0	Rel-6	Correction of transmitter tests in case of TX-diversity	approved	A	6.4.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030596	25.141	324	-	5.7.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.8.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030596	25.141	325	-	6.3.0	Rel-6	Correction of references to ITU recommendations	approved	A	6.4.0	Base Station (BS) conformance testing (FDD)	TEI5	R4
RP-030605	25.141	327	1	6.3.0	Rel-6	DS-CDMA Introduction in the 800 MHz Band	approved	B	6.4.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS 800	R4
RP-030604	25.141	328	1	6.3.0	Rel-6	Introduction of UMTS 850 requirements	approved	B	6.4.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS 850	R4
RP-030603	25.141	333	-	6.3.0	Rel-6	Introduction of new channel arrangement for bands IV, V and VI	approved	B	6.4.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS 850, UMTS 800,UMTS1721	R4
RP-030606	25.141	334	-	6.3.0	Rel-6	Co-existence with UTRA FDD in frequency band V	approved	F	6.4.0	Base Station (BS) conformance testing (FDD)	TEI6	R4
RP-030605	25.141	335	-	6.3.0	Rel-6	DS CDMA introduction in the 800 MHz band (performance requirement in Band VI)	approved	B	6.4.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS 800	R4
RP-030596	25.142	168	-	5.5.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.6.0	Base Station (BS) conformance testing (TDD)	TEI5	R4
RP-030596	25.143	038	-	5.6.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.7.0	UTRA repeater conformance testing	TEI5	R4
RP-030593	25.143	039	1	4.8.0	Rel-4	Spurious emissions: Co-existence with UTRA-FDD BS new UL requirement	approved	F	4.9.0	UTRA repeater conformance testing	RInImp-REP	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030593	25.143	040	1	5.6.0	Rel-5	Spurious emissions: Co-existence with UTRA-FDD BS new UL requirement	approved	A	5.7.0	UTRA repeater conformance testing	RInImp-REP	R4
RP-030647	25.212	183	-	5.6.0	Rel-5	Clarification of the CRC attachment procedure for HS-SCCH	approved	F	5.7.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-030647	25.212	184	1	5.6.0	Rel-5	Correction of UE identity notation	approved	F	5.7.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-030644	25.212	185	-	5.6.0	Rel-5	HARQ process identifier mapping	approved	F	5.7.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-030712	25.212	186	-	5.6.0	Rel-5	Alignment of "soft channel bits" terminology with 25.306	Approved	F	5.7.0	Multiplexing and channel coding (FDD)	HSDPA-Phys	R1
RP-030648	25.213	064	1	5.4.0	Rel-5	Correction of figure in combining of downlink physical channels	approved	F	5.5.0	Spreading and modulation (FDD)	TEI-5	R1
RP-030648	25.213	065	1	5.4.0	Rel-5	Correction of reference to calculation of HS-DPCCH gain factor	approved	F	5.5.0	Spreading and modulation (FDD)	HSDPA-Phys	R1
RP-030711	25.213	066	1	4.3.0	Rel-4	Restriction of DL secondary scrambling codes per CCTrCH	Revised	A		Spreading and modulation (FDD)	TEI	R1
RP-030727	25.213	066	2	4.3.0	Rel-4	Restriction of DL secondary scrambling codes per CCTrCH	Approved	A	4.4.0	Spreading and modulation (FDD)	TEI-4	R1
RP-030711	25.213	067	1	5.4.0	Rel-5	Restriction of DL secondary scrambling codes per CCTrCH	Revised	A		Spreading and modulation (FDD)	TEI	R1
RP-030727	25.213	067	2	5.4.0	Rel-5	Restriction of DL secondary scrambling codes per CCTrCH	Approved	A	5.5.0	Spreading and modulation (FDD)	TEI-5	R1
RP-030711	25.213	068	-	3.8.0	R99	Restriction of DL secondary scrambling codes per CCTrCH	Revised	F		Spreading and modulation (FDD)	TEI	R1
RP-030727	25.213	068	1	3.8.0	R99	Restriction of DL secondary scrambling codes per CCTrCH	Approved	F	3.9.0	Spreading and modulation (FDD)	TEI	R1
RP-030699	25.214	331	6	5.6.0	Rel-5	Clarification on reconfiguration of HSDPA	rejected	F		Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030649	25.214	335	1	5.6.0	Rel-5	Clarification of HS-SCCH reception	approved	F	5.7.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030649	25.214	336	1	5.6.0	Rel-5	Clarification of CQI definition	approved	F	5.7.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030649	25.214	337	1	5.6.0	Rel-5	Clarification of the HS-SCCH detection	approved	F	5.7.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-030661	25.214	338	-	5.6.0	Rel-5	Remove inconsistency among specifications on signalling support for power control during loss of RL synchronisation	approved	F	5.7.0	Physical layer procedures (FDD)	TEI	R1
RP-030712	25.214	339	-	5.6.0	Rel-5	Alignment of "soft channel bits" terminology with 25.306	Approved	F	5.7.0	Physical layer procedures (FDD)	HSDPA-Phys	R1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030726	25.215	145	2	5.5.0	Rel-6	Beamforming Enhancement related measurements	Approved	B	6.0.0	Physical layer; Measurements (FDD)	RANimp-BFE	R1
RP-030646	25.222	117	1	4.6.0	Rel-4	Correction of subframe segmentation, physical channel mapping & rate matching for 1.28Mcps TDD	approved	F	4.7.0	Multiplexing and channel coding (TDD)	LCRTDD	R1
RP-030646	25.222	118	1	5.5.0	Rel-5	Correction of subframe segmentation, physical channel mapping & rate matching for 1.28Mcps TDD	approved	A	5.6.0	Multiplexing and channel coding (TDD)	LCRTDD	R1
RP-030650	25.222	119	-	5.5.0	Rel-5	Clarification of the CRC attachment procedure for HS-SCCH (TDD)	approved	F	5.6.0	Multiplexing and channel coding (TDD)	HSDPA-Phys	R1
RP-030660	25.222	120	-	5.5.0	Rel-5	HARQ process identifier mapping	approved	F	5.6.0	Multiplexing and channel coding (TDD)	HSDPA-Phys	R1
RP-030712	25.222	121	-	5.5.0	Rel-5	Alignment of "soft channel bits" terminology with 25.306	Approved	F	5.6.0	Multiplexing and channel coding (TDD)	HSDPA-Phys	R1
RP-030698	25.224	127	1	4.9.0	Rel-4	Correction to computed gain factors with signalled reference gain factor values	approved	F	4.10.0	Physical layer procedures (TDD)	TEI-4	R1
RP-030698	25.224	128	1	5.6.0	Rel-5	Correction to computed gain factors with signalled reference gain factor values	approved	A	5.7.0	Physical layer procedures (TDD)	TEI-4	R1
RP-030651	25.225	071	4	5.5.0	Rel-5	Definition of Transmitted Code Power and ISCP measurements in the case of antenna diversity for TDD	approved	F	5.6.0	Physical layer; Measurements (TDD)	TEI-5	R1
RP-030622	25.302	144	-	5.6.0	Rel-5	Correction to TDD HSDPA channel combinations	approved	F	5.7.0	Services provided by the physical layer	HSDPA-L23	R2
RP-030613	25.305	099	1	3.10.0	R99	Correction to Location Reporting procedure	approved	F	3.11.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI	R2
RP-030613	25.305	100	1	4.6.0	Rel-4	Correction to Location Reporting procedure	approved	F	4.7.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI4	R2
RP-030613	25.305	101	2	5.7.0	Rel-5	Correction to Location Reporting procedure	approved	A	5.8.0	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	TEI4	R2
RP-030623	25.306	082	-	5.6.0	Rel-5	Removal of reference combinations for HS-DSCH capabilities	approved	F	5.7.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-030614	25.306	083	-	3.9.0	R99	Definition of minimum UE capability class	approved	F	3.10.0	UE Radio Access capabilities definition	TEI	R2
RP-030614	25.306	084	-	4.8.0	Rel-4	Definition of minimum UE capability class	approved	A	4.9.0	UE Radio Access capabilities definition	TEI	R2
RP-030614	25.306	085	-	5.6.0	Rel-5	Definition of minimum UE capability class	approved	A	5.7.0	UE Radio Access capabilities definition	TEI	R2
RP-030614	25.306	086	-	3.9.0	R99	TDD Radio Access Parameters for UL 32kbs class UE's	approved	F	3.10.0	UE Radio Access capabilities definition	TEI	R2
RP-030614	25.306	087	-	4.8.0	Rel-4	TDD Radio Access Parameters for UL 32kbs class UE's	approved	A	4.9.0	UE Radio Access capabilities definition	TEI	R2
RP-030614	25.306	088	-	5.6.0	Rel-5	TDD Radio Access Parameters for UL 32kbs class UE's	approved	A	5.7.0	UE Radio Access capabilities definition	TEI	R2
RP-030623	25.306	089	-	5.6.0	Rel-5	Correction to HSDPA capability	approved	F	5.7.0	UE Radio Access capabilities definition	HSDPA-L23	R2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030630	25.307	007	1	3.1.0	R99	Introduction of UMTS800	approved	B	3.2.0	Requirements on UEs supporting a release-independent frequency band	RinImp-UMTS800	R2
RP-030630	25.307	008	1	4.1.0	Rel-4	Introduction of UMTS800	approved	B	4.2.0	Requirements on UEs supporting a release-independent frequency band	RinImp-UMTS800	R2
RP-030630	25.307	009	1	5.0.0	Rel-5	Introduction of UMTS800	approved	B	5.1.0	Requirements on UEs supporting a release-independent frequency band	RinImp-UMTS800	R2
RP-030630	25.307	010	-	5.0.0	Rel-6	Introduction of UMTS800	approved	B	6.0.0	Requirements on UEs supporting a release-independent frequency band	RinImp-UMTS800	R2
RP-030624	25.321	179	-	5.6.0	Rel-5	Corrections Relating to HSDPA TB Sizes for 1.28Mcps TDD	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030624	25.321	180	-	5.6.0	Rel-5	HSDPA Transport block size table for 3.84Mcps TDD	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030624	25.321	181	-	5.6.0	Rel-5	HSDPA TB size table	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030624	25.321	182	-	5.6.0	Rel-5	Unwarranted HARQ re-transmissions	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030624	25.321	183	-	5.6.0	Rel-5	MAC-hs Re-ordering Protocol Flushing correction	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030624	25.321	184	-	5.6.0	Rel-5	Correction to window based stall avoidance mechanism	approved	F	5.7.0	Medium Access Control (MAC) protocol specification	HSDPA-L23	R2
RP-030616	25.322	248	-	3.16.0	R99	BITMAP and status report content	approved	F	3.17.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030616	25.322	249	-	4.10.0	Rel-4	BITMAP and status report content	approved	A	4.11.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030616	25.322	250	-	5.6.0	Rel-5	BITMAP and status report content	approved	A	5.7.0	Radio Link Control (RLC) protocol specification	TEI	R2
RP-030620	25.322	251	-	4.10.0	Rel-4	Indication of discarded SDU in RLC Reset and Re-establishment	approved	F	4.11.0	Radio Link Control (RLC) protocol specification	TEI4	R2
RP-030620	25.322	252	-	5.6.0	Rel-5	Indication of discarded SDU in RLC Reset and Re-establishment	approved	A	5.7.0	Radio Link Control (RLC) protocol specification	TEI4	R2
RP-030617	25.331	2073	-	3.16.0	R99	Unsuccessful security mode control procedure and Integrity Protection	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2074	-	4.11.0	Rel-4	Unsuccessful security mode control procedure and Integrity Protection	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2075	-	5.6.0	Rel-5	Unsuccessful security mode control procedure and Integrity Protection	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030625	25.331	2076	-	5.6.0	Rel-5	START value calculation for RLC size change	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030617	25.331	2077	1	3.16.0	R99	UE Positioning UE based assisted GPS	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2078	-	4.11.0	Rel-4	UE Positioning UE based assisted GPS	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030617	25.331	2079	-	5.6.0	Rel-5	UE Positioning UE based assisted GPS	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2083	-	3.16.0	R99	Handling of zero-rate TrCHs in TFCS	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2084	-	4.11.0	Rel-4	Handling of zero-rate TrCHs in TFCS	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2085	-	5.6.0	Rel-5	Handling of zero-rate TrCHs in TFCS	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2089	3	3.16.0	R99	Measurement control for A-GPS	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2090	3	4.11.0	Rel-4	Measurement control for A-GPS	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2091	3	5.6.0	Rel-5	Measurement control for A-GPS	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030621	25.331	2092	-	4.11.0	Rel-4	Corrections to 1.28 Mcps TDD power control: ASN1/Tabular consistency, correction of omissions	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	LCRT DD-L23	R2
RP-030621	25.331	2093	-	5.6.0	Rel-5	Corrections to 1.28 Mcps TDD power control: ASN1/Tabular consistency, correction of omissions	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	LCRT DD-L23	R2
RP-030621	25.331	2094	-	4.11.0	Rel-4	UpPCH power control for 1.28Mcps	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	LCRT DD-L23	R2
RP-030621	25.331	2095	-	5.6.0	Rel-5	UpPCH power control for 1.28Mcps	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	LCRT DD-L23	R2
RP-030617	25.331	2097	-	3.16.0	R99	Ensuring C-RNTI is cleared in Cell_DCH	rejected	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2098	-	4.11.0	Rel-4	Ensuring C-RNTI is cleared in Cell_DCH	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2099	-	5.6.0	Rel-5	Ensuring C-RNTI is cleared in Cell_DCH	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2100	2	3.16.0	R99	Interaction between compressed mode pattern activation and message activation time	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2101	1	4.11.0	Rel-4	Interaction between compressed mode pattern activation and message activation time	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030617	25.331	2102	1	5.6.0	Rel-5	Interaction between compressed mode pattern activation and message activation time	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030625	25.331	2103	-	5.6.0	Rel-5	Initialisation of virtual active set	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030611	25.331	2104	1	3.16.0	R99	Correction to Redirection procedure at RRC Connection Setup	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030611	25.331	2105	1	4.11.0	Rel-4	Correction to Redirection procedure at RRC Connection Setup	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030611	25.331	2106	1	5.6.0	Rel-5	Correction to Redirection procedure at RRC Connection Setup	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030628	25.331	2107	-	3.16.0	R99	Correction of UTRAN GPS Reference Time quality	withdrawn	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030628	25.331	2108	-	4.11.0	Rel-4	Correction of UTRAN GPS Reference Time quality	withdrawn	A		Radio Resource Control (RRC) protocol specification	TEI	R2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030628	25.331	2109	-	5.6.0	Rel-5	Correction of UTRAN GPS Reference Time quality	withdrawn	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030610	25.331	2110	2	3.16.0	R99	SFN associated with GPS timing of cell frame	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030610	25.331	2111	2	4.11.0	Rel-4	SFN associated with GPS timing of cell frame	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030610	25.331	2112	2	5.6.0	Rel-5	SFN associated with GPS timing of cell frame	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2113	-	3.16.0	R99	Correction to Handling SIB1	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2114	-	4.11.0	Rel-4	Correction to Handling SIB1	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2115	-	5.6.0	Rel-5	Correction to Handling SIB1	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2116	-	3.16.0	R99	Measurement Handling In State Transition for UE Positioning	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2117	-	4.11.0	Rel-4	Measurement Handling In State Transition for UE Positioning	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2118	-	5.6.0	Rel-5	Measurement Handling In State Transition for UE Positioning	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2119	2	3.16.0	R99	Traffic Volume Measurement Validity	rejected	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2120	2	4.11.0	Rel-4	Traffic Volume Measurement Validity	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2121	2	5.6.0	Rel-5	Traffic Volume Measurement Validity	rejected	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2122	-	3.16.0	R99	Corrections to UE positioning reporting for UE assisted and UE based methods	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2123	-	4.11.0	Rel-4	Corrections to UE positioning reporting for UE assisted and UE based methods	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030618	25.331	2124	-	5.6.0	Rel-5	Corrections to UE positioning reporting for UE assisted and UE based methods	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2125	-	3.16.0	R99	SIB 7 reading	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2126	-	4.11.0	Rel-4	SIB 7 reading	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030662	25.331	2127	1	5.6.0	Rel-5	SIB 7 reading	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030662	25.331	2128	-	3.16.0	R99	HFN initialisation in case of pending security configurations	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2129	-	4.11.0	Rel-4	HFN initialisation in case of pending security configurations	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2130	-	5.6.0	Rel-5	HFN initialisation in case of pending security configurations	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030621	25.331	2131	1	4.11.0	Rel-4	General protocol error handling failure for DL CCCH messages due to ASN.1 error	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030621	25.331	2132	1	5.6.0	Rel-5	General protocol error handling failure for DL CCCH messages due to ASN.1 error	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI4	R2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030630	25.331	2133	-	5.6.0	Rel-6	Introduction of UMTS800	approved	B	6.0.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS800	R2
RP-030631	25.331	2134	-	5.6.0	Rel-6	AS capability indication	revised	F		Radio Resource Control (RRC) protocol specification	TEI6	R2
RP-030721	25.331	2134	1	5.6.0	Rel-6	AS capability indication	Approved	F	6.0.0	Radio Resource Control (RRC) protocol specification	TEI6	R2
RP-030621	25.331	2135	-	4.11.0	Rel-4	Corrections Relating to 1.28 Mcps TDD	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	LCRTDD-L23	R2
RP-030621	25.331	2136	-	5.6.0	Rel-5	Corrections Relating to 1.28 Mcps TDD	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	LCRTDD-L23	R2
RP-030621	25.331	2137	-	4.11.0	Rel-4	Missing CHOICE RLC Info type in the ASN.1 IE 'RB-InformationSetup-r4'	approved	F	4.12.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030621	25.331	2138	-	5.6.0	Rel-5	Missing CHOICE RLC Info type in the ASN.1 IE 'RB-InformationSetup-r4'	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI4	R2
RP-030625	25.331	2139	1	5.6.0	Rel-5	RRM in PCH/FACH	approved	B	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030625	25.331	2140	-	5.6.0	Rel-5	Correction of operating band reference	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030644	25.331	2141	-	5.6.0	Rel-5	Re-ordering Queue and HARQ Ids	revised	F		Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030625	25.331	2142	-	5.6.0	Rel-5	Correction to the procedural description: Reconfiguration of MAC-d flow	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-030625	25.331	2143	1	5.6.0	Rel-5	Enhancement of RRC transaction identifier for measurement control message	approved	C	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030629	25.331	2144	-	5.6.0	Rel-5	Inclusion of a default configuration identity for AMR-WB	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030625	25.331	2145	-	5.6.0	Rel-5	TDD C-RNTI in Cell DCH	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030662	25.331	2146	-	3.16.0	R99	Additional Measurements List Modify	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2147	-	4.11.0	Rel-4	Additional Measurements List Modify	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2148	-	5.6.0	Rel-5	Additional Measurements List Modify	approved	A	5.7.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030625	25.331	2149	-	5.6.0	Rel-5	IP activation time for RB0	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030662	25.331	2150	1	3.16.0	R99	Minimum UE capability class	revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030710	25.331	2150	2	3.16.0	R99	Minimum UE capability class	Revised	F		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030722	25.331	2150	3	3.16.0	R99	Minimum UE capability class	Approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2151	1	4.11.0	Rel-4	Minimum UE capability class	revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030710	25.331	2151	2	4.11.0	Rel-4	Minimum UE capability class	Revised	A		Radio Resource Control (RRC) protocol specification	TEI	R2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030722	25.331	2151	3	4.11.0	Rel-4	Minimum UE capability class	Approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030662	25.331	2152	1	5.6.0	Rel-5	Minimum UE capability class	revised	F		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030710	25.331	2152	2	5.6.0	Rel-5	Minimum UE capability class	Revised	F		Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030722	25.331	2152	3	5.6.0	Rel-5	Minimum UE capability class	Approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030612	25.331	2156	4	3.16.0	R99	Measured results on RACH	approved	F	3.17.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030612	25.331	2157	4	4.11.0	Rel-4	Measured results on RACH	approved	A	4.12.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-030612	25.331	2158	4	5.6.0	Rel-5	Measured results on RACH	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030625	25.331	2159	-	5.6.0	Rel-5	COUNT-I reverting in case Security Mode Control procedure failure	approved	F	5.7.0	Radio Resource Control (RRC) protocol specification	TEI5	R2
RP-030630	25.331	2160	-	5.6.0	Rel-6	Introduction of new bands	approved	B	6.0.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS 800	R2
RP-030675	25.401	075	2	5.6.0	Rel-5	NAS/AS issue for shared networks in connected mode	approved	F	5.7.0	UTRAN overall description	NETS HARE	R3
RP-030675	25.401	076	1	6.1.0	Rel-6	NAS/AS issue for shared networks in connected mode	approved	A	6.2.0	UTRAN overall description	NETS HARE	R3
RP-030684	25.402	042	1	5.2.0	Rel-5	Removal of the ambiguity about the activation time	approved	F	5.3.0	Synchronisation in UTRAN Stage 2	TEI5	R3
RP-030671	25.413	596	-	4.10.0	Rel-4	Backwards Compatibility for LCS	approved	F	4.11.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030671	25.413	597	-	5.6.0	Rel-5	Backwards Compatibility for LCS	approved	A	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030676	25.413	601	2	5.6.0	Rel-5	Serious Correction for Rescue Handovers	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030676	25.413	604	-	5.6.0	Rel-5	Serious Correction for Security in multi-domain calls	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030669	25.413	605	1	4.10.0	Rel-4	Correction of RAB Release Request Inter-working	rejected	A		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030669	25.413	606	1	5.6.0	Rel-5	Correction of RAB Release Request Inter-working	revised	A		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030715	25.413	606	2	5.6.0	Rel-5	Correction of RAB Release Request Inter-working	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030676	25.413	607	3	5.6.0	Rel-5	RANAP Review Issue 2: Correction of Position Data	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030676	25.413	608	-	5.6.0	Rel-5	RANAP Review issue 3- LCS Accuracy	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030671	25.413	612	1	4.10.0	Rel-4	Add IE 'Criticality Diagnostics' for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages	approved	F	4.11.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030671	25.413	613	1	5.6.0	Rel-5	Add IE 'Criticality Diagnostics' for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages	approved	A	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030686	25.413	614	1	5.6.0	Rel-5	RT Load Value Clarification	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030671	25.413	617	1	4.10.0	Rel-4	Correction of Reference section	approved	F	4.11.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030671	25.413	618	1	5.6.0	Rel-5	Correction of Reference section	approved	A	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI4	R3
RP-030676	25.413	620	1	5.6.0	Rel-5	Corrections to the data volume reporting function	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030676	25.413	622	2	5.6.0	Rel-5	Big clarification CR based on RANAP Rel-5 review	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5	R3
RP-030676	25.413	623	2	5.6.0	Rel-5	Correction to CRRM Iu solution	approved	F	5.7.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI5, RANimp-ImpRRM	R3
RP-030669	25.413	631	-	3.14.0	R99	Correction of RAB Release Request Inter-working	rejected	F		UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI	R3
RP-030672	25.414	068	-	4.6.0	Rel-4	Inclusion of AAL2 Link Characteristics in ERQ	approved	F	4.7.0	UTRAN Iu interface data transport & transport signalling	TEI4	R3
RP-030672	25.414	069	-	5.4.0	Rel-5	Inclusion of AAL2 Link Characteristics in ERQ	approved	A	5.5.0	UTRAN Iu interface data transport & transport signalling	TEI4	R3
RP-030685	25.414	071	1	5.4.0	Rel-5	Diffserv marking is configurable	approved	F	5.5.0	UTRAN Iu interface data transport & transport signalling	ETRAN-IPtrans	R3
RP-030673	25.419	129	-	4.9.0	Rel-4	Correction of finite number of broadcast	approved	F	4.10.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI4	R3
RP-030673	25.419	130	-	5.5.0	Rel-5	Correction of finite number of broadcast	approved	A	5.6.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI4	R3
RP-030687	25.423	867	-	5.7.0	Rel-5	Correction for the HS-DSCH Initial Capacity Allocation	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IubIur	R3
RP-030688	25.423	868	-	5.7.0	Rel-5	Correction of Backward Compatibility for Uni-directional DCH indicator	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-IubIur	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030692	25.423	869	-	5.7.0	Rel-5	Reconfiguration of Multiple Radio Links in TDD	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030693	25.423	870	-	5.7.0	Rel-5	The usage of the MAC-hs Reordering Buffer Size	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030696	25.423	872	-	5.7.0	Rel-5	Modification of the dynamic range of the PCCPCH Power	rejected	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030691	25.423	877	1	5.7.0	Rel-5	Range Extension for GPS Almanac Reporting	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030644	25.423	879	1	5.7.0	Rel-5	Explicit HARQ Memory Partitioning Clarification	revised	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030713	25.423	879	2	5.7.0	Rel-5	Explicit HARQ Memory Partitioning Clarification	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030686	25.423	880	1	5.7.0	Rel-5	RT Load Value Clarification	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030677	25.423	881	1	5.7.0	Rel-5	RNSAP TDD Review	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030684	25.423	885	1	5.7.0	Rel-5	Removal of the ambiguity about the activation time	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030726	25.423	887	-	5.7.0	Rel-6	Signalling Support for Beamforming Enhancement	approved	B	6.0.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	RANimp-BFE	R3
RP-030690	25.423	888	2	5.7.0	Rel-5	Correction to Addition of HS-DSCH MAC-d Flows	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030695	25.423	889	2	5.7.0	Rel-5	Unsynchronised RL Reconfiguration for HSDPA	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030694	25.423	890	2	5.7.0	Rel-5	TNL QoS for uplink IP traffic	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	ETRAN-IPtrans	R3
RP-030689	25.423	891	-	5.7.0	Rel-5	Correction of Transmission Gap Pattern Sequence Information	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030683	25.423	892	-	4.10.0	Rel-4	Information Exchange Initiation behavior correction	approved	F	4.11.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI4	R3
RP-030683	25.423	893	-	5.7.0	Rel-5	Information Exchange Initiation behavior correction	approved	A	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI4	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030677	25.423	894	2	5.7.0	Rel-5	RNSAP Review	approved	F	5.8.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI5	R3
RP-030663	25.423	895	1	5.7.0	Rel-5	Correction of Traffic Class IE	rejected	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-030701	25.423	896	-	3.14.0	R99	Specify the DCH number for a set of coordinated DCHs in some messages	rejected	F		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030701	25.423	897	-	4.10.0	Rel-4	Specify the DCH number for a set of coordinated DCHs in some messages	rejected	A		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030701	25.423	898	-	5.7.0	Rel-5	Specify the DCH number for a set of coordinated DCHs in some messages	rejected	A		UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI	R3
RP-030685	25.424	026	1	5.2.0	Rel-5	Diffserv marking is configurable	approved	F	5.3.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	ETRAN-IPtrans	R3
RP-030726	25.425	064	1	5.5.0	Rel-6	Signalling Support for Beamforming Enhancement	Approved	B	6.0.0	UTRAN Iur interface user plane protocols for CCH data streams	RANimp-BFE	R3
RP-030682	25.425	065	1	3.7.0	R99	Spare Extension in Data Frame	approved	F	3.8.0	UTRAN Iur interface user plane protocols for CCH data streams	TEI	R3
RP-030682	25.425	066	1	4.3.0	Rel-4	Spare Extension in Data Frame	approved	A	4.4.0	UTRAN Iur interface user plane protocols for CCH data streams	TEI	R3
RP-030682	25.425	067	1	5.5.0	Rel-5	Spare Extension in Data Frame	approved	A	5.6.0	UTRAN Iur interface user plane protocols for CCH data streams	TEI	R3
RP-030678	25.427	090	1	5.2.0	Rel-5	Signalling support for soft handover indicator	approved	F	5.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	TEI5	R3
RP-030682	25.427	091	1	3.10.0	R99	Spare Extension in Data Frame	approved	F	3.11.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	TEI	R3
RP-030682	25.427	092	1	4.4.0	Rel-4	Spare Extension in Data Frame	approved	A	4.5.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	TEI	R3
RP-030682	25.427	093	1	5.2.0	Rel-5	Spare Extension in Data Frame	approved	A	5.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	TEI	R3
RP-030674	25.433	899	1	4.10.0	Rel-4	Correction of Wrong Number in GPS Timing Calculation	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	900	1	5.6.0	Rel-5	Correction of Wrong Number in GPS Timing Calculation	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030687	25.433	901	-	5.6.0	Rel-5	Correction for the HS-DSCH Initial Capacity Allocation	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-030688	25.433	902	-	5.6.0	Rel-5	Correction of Backward Compatibility for Uni-directional DCH indicator	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-030692	25.433	903	-	5.6.0	Rel-5	Reconfiguration of Multiple Radio Links in TDD	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030693	25.433	904	-	5.6.0	Rel-5	The usage of the MAC-hs Reordering Buffer Size	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030696	25.433	906	-	5.6.0	Rel-5	Modification of the dynamic range of the PCCPCH Power, DwPCH Power and Max FPACH Power	rejected	F		UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030679	25.433	907	-	5.6.0	Rel-5	Correction for the Dedicated Measurement procedure with all Node B Communication Context	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030674	25.433	912	-	4.10.0	Rel-4	Correction of the repetition name for 1.28Mcps TDD in the RADIO LINK RECONFIGURATION PREPARE TDD message	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	LCRT DD-lublur	R3
RP-030674	25.433	913	-	5.6.0	Rel-5	Correction of the repetition name for 1.28Mcps TDD in the RADIO LINK RECONFIGURATION PREPARE TDD message	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	LCRT DD-lublur	R3
RP-030674	25.433	914	1	4.10.0	Rel-4	Correction of Node B synchronisation procedures	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	RANi mp-Nbsync	R3
RP-030674	25.433	915	1	5.6.0	Rel-5	Correction of Node B synchronisation procedures	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	RANi mp-Nbsync	R3
RP-030674	25.433	916	-	4.10.0	Rel-4	Correction of the ProtocolIE-Single-Containers in ASN.1 for TDD	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	917	-	5.6.0	Rel-5	Correction of the ProtocolIE-Single-Containers in ASN.1 for TDD	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	918	-	4.10.0	Rel-4	ASN.1 corrections for 1.28Mcps TDD	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	LCRT DD-lublur	R3
RP-030674	25.433	919	-	5.6.0	Rel-5	ASN.1 corrections for 1.28Mcps TDD	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	LCRT DD-lublur	R3
RP-030679	25.433	920	1	5.6.0	Rel-5	TDD-Review Corrections for NBAP Rel-5	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030691	25.433	921	1	5.6.0	Rel-5	Range Extension for GPS Almanac Reporting	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030644	25.433	925	1	5.6.0	Rel-5	Explicit HARQ Memory Partitioning Clarification	revised	F		UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3
RP-030713	25.433	925	2	5.6.0	Rel-5	Explicit HARQ Memory Partitioning Clarification	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3
RP-030674	25.433	926	-	4.10.0	Rel-4	Clarification of Timing advance applied for 1.28Mcps TDD	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	927	-	5.6.0	Rel-5	Clarification of Timing advance applied for 1.28Mcps TDD	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030684	25.433	931	1	5.6.0	Rel-5	Removal of the ambiguity about the activation time	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030679	25.433	933	-	5.6.0	Rel-5	Ambiguity of the activation time of the Physical Shared CH Reconfiguration	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3
RP-030726	25.433	935	2	5.6.0	Rel-6	Signalling Support for Beamforming Enhancement	approved	B	6.0.0	UTRAN Iub interface NBAP signalling	RANi mp-BFE	R3
RP-030690	25.433	937	1	5.6.0	Rel-5	Correction to Addition of HS-DSCH MAC-d Flows	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-lublur	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030679	25.433	938	1	5.6.0	Rel-5	Resource Status Indication and Audit for HSDPA	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-IubIur	R3
RP-030695	25.433	939	1	5.6.0	Rel-5	Unsynchronised RL Reconfiguration for HSDPA	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-IubIur	R3
RP-030694	25.433	940	2	5.6.0	Rel-5	TNL QoS for uplink IP traffic	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	ETRAN-IPtrans	R3
RP-030689	25.433	941	-	5.6.0	Rel-5	Correction of Transmission Gap Pattern Sequence Information	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030670	25.433	942	-	3.14.0	R99	DCH Information Response Issue	rejected	F		UTRAN Iub interface NBAP signalling	TEI	R3
RP-030670	25.433	943	-	4.10.0	Rel-4	DCH Information Response Issue	rejected	A		UTRAN Iub interface NBAP signalling	TEI	R3
RP-030670	25.433	944	-	5.6.0	Rel-5	DCH Information Response Issue	rejected	A		UTRAN Iub interface NBAP signalling	TEI	R3
RP-030679	25.433	945	2	5.6.0	Rel-5	NBAP Review	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	TEI5	R3
RP-030679	25.433	946	1	5.6.0	Rel-5	Correction to Physical Shared Channel Reconfiguration for HSDPA	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-IubIur	R3
RP-030679	25.433	947	1	5.6.0	Rel-5	Correction to Common Measurements for HSDPA	approved	F	5.7.0	UTRAN Iub interface NBAP signalling	HSDPA-IubIur	R3
RP-030683	25.433	948	-	4.10.0	Rel-4	Information Exchange Initiation behavior correction	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030683	25.433	949	-	5.6.0	Rel-5	Information Exchange Initiation behavior correction	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	950	-	4.10.0	Rel-4	Extension of Requested Data Value IE	approved	F	4.11.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030674	25.433	951	-	5.6.0	Rel-5	Extension of Requested Data Value IE	approved	A	5.7.0	UTRAN Iub interface NBAP signalling	TEI4	R3
RP-030685	25.434	028	1	5.2.0	Rel-5	Diffserv marking is configurable	approved	F	5.3.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	ETRAN-IPtrans	R3
RP-030680	25.435	105	1	5.5.0	Rel-5	Power control correction for DSCH for TDD	approved	F	5.6.0	UTRAN Iub interface user plane protocols for CCH data streams	TEI5	R3
RP-030726	25.435	106	1	5.5.0	Rel-6	Signalling Support for Beamforming Enhancement	approved	B	6.0.0	UTRAN Iub interface user plane protocols for CCH data streams	RANimp-BFE	R3
RP-030682	25.435	107	1	3.10.0	R99	Spare Extension in Data Frame	approved	F	3.11.0	UTRAN Iub interface user plane protocols for CCH data streams	TEI	R3
RP-030682	25.435	108	1	4.5.0	Rel-4	Spare Extension in Data Frame	approved	A	4.6.0	UTRAN Iub interface user plane protocols for CCH data streams	TEI	R3
RP-030682	25.435	109	1	5.5.0	Rel-5	Spare Extension in Data Frame	approved	A	5.6.0	UTRAN Iub interface user plane protocols for CCH data streams	TEI	R3
RP-030697	25.453	061	-	6.2.0	Rel-6	Improvement of position calculation through set enlargement	approved	C	6.3.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	LCS-Rel4Pos	R3
RP-030683	25.453	063	-	5.7.0	Rel-5	Information Exchange Initiation behavior correction	approved	F	5.8.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3
RP-030683	25.453	064	-	6.2.0	Rel-6	Information Exchange Initiation behavior correction	approved	A	6.3.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI5	R3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-030626	25.921	048	-	5.2.0	Rel-5	Incorporation of PCAP	approved	F	5.3.0	Guidelines and principles for protocol description and error handling	TEI5	R2
RP-030627	25.922	027	-	5.1.0	Rel-5	Radio Resource handling of streaming traffic class PDP contexts	approved	F	5.2.0	Radio Resource Management Strategies	TEI5	R2
RP-030681	25.933	005	-	5.3.0	Rel-5	Correction of PE-node as an ATM Switch Solution	approved	F	5.4.0	IP transport in UTRAN	ETRAN-IPtrans	R3
RP-030609	25.993	014	-	6.3.0	Rel-6	BTFD with flexible TrCH position	approved	F	6.4.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030609	25.993	015	-	6.3.0	Rel-6	Addition of Conversational – Interactive/Background RAB combination	approved	F	6.4.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030619	25.993	016	-	3.0.0	R99	Keeping the "Release independent" concept: references&abbreviations removal in the "pointer versions"	approved	F	3.1.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030619	25.993	017	-	4.0.0	Rel-4	Keeping the "Release independent" concept: references&abbreviations removal in the "pointer versions"	approved	A	4.1.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-030619	25.993	018	-	5.0.0	Rel-5	Keeping the "Release independent" concept: references&abbreviations removal in the "pointer versions"	approved	A	5.1.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
SP-030681	26.104	029	1	5.2.0	Rel-5	Correction on the implementation of the interface of decoder.c	approved	F	5.3.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4
SP-030682	26.104	030	1	5.2.0	Rel-6	Correction on the default behaviour of the unix makefile	approved	D	6.0.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4
NP-030562	27.001	104	1	3.13.0	R99	Incomplete tree diagrams	approved	F	3.14.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	CS Data	N3
NP-030563	27.060	088	-	5.5.0	Rel-5	Updated reference for DHCPv6	approved	F	5.6.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	GPRS	N3
NP-030516	29.002	648	2	6.3.0	Rel-6	Message Segmentation Mechanisms	approved	D	6.4.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030509	29.002	675	2	5.7.0	Rel-5	MNP correction for prepaid charging	approved	F	5.8.0	Mobile Application Part (MAP) specification	MNP	N4
NP-030509	29.002	676	2	6.3.0	Rel-6	MNP correction for prepaid charging	approved	A	6.4.0	Mobile Application Part (MAP) specification	MNP	N4
NP-030516	29.002	677	-	6.3.0	Rel-6	Enhancements for the Partial Implementation for "Change of position procedure armed with criteria"	approved	B	6.4.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030514	29.002	679	-	6.3.0	Rel-6	Modification of description for conditions on inclusion of Positioning Data	approved	F	6.4.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030514	29.002	680	2	6.3.0	Rel-6	Addition of CGI to LCS procedures	approved	F	6.4.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030503	29.002	685	-	5.7.0	Rel-5	More spare bits for CAMEL4 enhancements	approved	F	5.8.0	Mobile Application Part (MAP) specification	CAMEL4	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030503	29.002	686	-	6.3.0	Rel-6	More spare bits for CAMEL4 enhancements	approved	A	6.4.0	Mobile Application Part (MAP) specification	CAMEL4	N4
NP-030515	29.002	687	-	6.3.0	Rel-6	Collective CR for Rel-6 Enhanced Dialled Services	approved	B	6.4.0	Mobile Application Part (MAP) specification	EDCamel	N4
NP-030508	29.002	688	2	5.7.0	Rel-5	HSDPA impacts to MAP	approved	F	5.8.0	Mobile Application Part (MAP) specification	HSDPA	N4
NP-030508	29.002	689	2	6.3.0	Rel-6	HSDPA impacts to MAP	approved	A	6.4.0	Mobile Application Part (MAP) specification	HSDPA	N4
NP-030503	29.002	691	-	5.7.0	Rel-5	Clarification on D-CSI segmentation	approved	F	5.8.0	Mobile Application Part (MAP) specification	CAMEL4	N4
NP-030503	29.002	692	-	6.3.0	Rel-6	Clarification on D-CSI segmentation	approved	A	6.4.0	Mobile Application Part (MAP) specification	CAMEL4	N4
NP-030507	29.002	694	1	5.7.0	Rel-5	Remove reduntant option for retrieval of routeing information in figure 21.2.3	approved	F	5.8.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030507	29.002	695	1	6.3.0	Rel-6	Remove reduntant option for retrieval of routeing information in figure 21.2.3	approved	A	6.4.0	Mobile Application Part (MAP) specification	TEI5	N4
NP-030514	29.002	696	2	6.3.0	Rel-6	Include v-gmlc parameter in RESTORE DATA MAP message	approved	F	6.4.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030514	29.002	702	2	6.3.0	Rel-6	Deferred MT-LR Area Event	approved	B	6.4.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-030516	29.002	703	-	6.3.0	Rel-6	Addition of requestingPLMN-ID to Send Authentication Info Request	approved	B	6.4.0	Mobile Application Part (MAP) specification	TEI6	N4
NP-030533	29.002	704	-	6.3.0	Rel-6	EXPORT data types to CAP (Change of position armed with criteria)	approved	B	6.4.0	Mobile Application Part (MAP) specification	TEI_6	N4
NP-030455	29.007	089	4	5.7.0	Rel-5	Backward signalling of service information between VMSC and GMSC for MTC	approved	F	5.8.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	Circuit switched Bearer Services	N3
NP-030539	29.007	094	-	4.9.0	Rel-4	Backward signalling of service information between VMSC and GMSC for MTC	approved	A	4.10.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	Circuit switched Bearer Services	N3
NP-030538	29.007	095	-	3.13.0	R99	Backward signalling of service information between VMSC and GMSC for MTC	approved	A	3.14.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	Circuit switched Bearer Services	N3
NP-030498	29.010	093	-	4.6.0	Rel-4	Wrong message appears in message flow	approved	F	4.7.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	LCS1	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030498	29.010	094	-	5.4.0	Rel-5	Wrong message appears in message flow	approved	A	5.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	LCS1	N4
NP-030498	29.010	095	-	6.0.0	Rel-6	Wrong message appears in message flow	approved	A	6.1.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	LCS1	N4
NP-030497	29.060	435	1	3.17.0	R99	Correction to imprecise reference	approved	F	3.18.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-030519	29.060	456	-	5.7.0	Rel-5	Removal of RAB Context IE in Forward Relocation Request	approved	F	5.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GTP Enhancements	N4
NP-030519	29.060	457	-	6.2.0	Rel-6	Removal of RAB Context IE in Forward Relocation Request	approved	A	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GTP Enhancements	N4
NP-030497	29.060	458	-	3.17.0	R99	Correction of Sequence Number Up handling	approved	F	3.18.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GPRS	N4
NP-030497	29.060	459	-	4.9.0	Rel-4	Correction of Sequence Number Up handling	approved	A	4.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GPRS	N4
NP-030497	29.060	460	-	5.7.0	Rel-5	Correction of Sequence Number Up handling	approved	A	5.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GPRS	N4
NP-030497	29.060	461	-	6.2.0	Rel-6	Correction of Sequence Number Up handling	approved	A	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GPRS	N4
NP-030508	29.060	462	2	5.7.0	Rel-5	HSDPA impacts to GTP	approved	F	5.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	HSDPA	N4
NP-030508	29.060	463	2	6.2.0	Rel-6	HSDPA impacts to GTP	approved	A	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	HSDPA	N4
NP-030517	29.060	466	-	6.2.0	Rel-6	Correction of a mis implementation of CR 29.060 410	approved	F	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI6	N4
NP-030512	29.060	469	2	6.2.0	Rel-6	Introducing MBMS	approved	B	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-030497	29.060	475	-	4.9.0	Rel-4	Correction of incorrect reference to a withdrawn specification	approved	F	4.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030497	29.060	476	-	5.7.0	Rel-5	Correction of incorrect reference to a withdrawn specification	approved	A	5.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-030497	29.060	477	-	6.2.0	Rel-6	Correction of incorrect reference to a withdrawn specification	approved	A	6.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-030567	29.061	094	2	5.7.0	Rel-5	Disconnect Request for Multiple PDP Sessions belonging to a single User	approved	F	5.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-030567	29.061	095	1	5.7.0	Rel-5	Unique IPv6 address for a PDP context	approved	F	5.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-030563	29.061	096	1	3.13.0	R99	Updated reference for DHCPv6	approved	F	3.14.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	GPRS	N3
NP-030563	29.061	097	1	4.8.0	Rel-4	Updated reference for DHCPv6	approved	A	4.9.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	GPRS	N3
NP-030563	29.061	098	1	5.7.0	Rel-5	Updated reference for DHCPv6	approved	A	5.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	GPRS	N3
NP-030568	29.061	099	1	5.7.0	Rel-5	HSDPA impacts to Radius	approved	F	5.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	HSDPA	N3
NP-030527	29.078	332	1	5.5.0	Rel-6	Collective CR for TS 29.078	approved	B	6.0.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	EDCAMEL	N2
NP-030523	29.078	333	-	5.5.0	Rel-5	Correction to flexible warning tone burst interval duration	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030522	29.078	335	-	5.5.0	Rel-5	Correction to TCAP rules for gsmSCF initiated calls	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030523	29.078	336	1	5.5.0	Rel-5	Reporting Basic Service at DP Answer for SCUDIF calls	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030522	29.078	337	1	5.5.0	Rel-5	Correction to description of "valid CSI" in SCP initiated call	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030523	29.078	338	2	5.5.0	Rel-5	More call related CAPv4 extensions for future releases	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030530	29.078	340	3	5.5.0	Rel-5	Extension of QoS for HSDPA in GPRS CAMEL	rejected	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030523	29.078	342	1	5.5.0	Rel-5	Handling of DisconnectFromIPForbidden handling in Assisting SSF case	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030528	29.078	343	1	5.5.0	Rel-6	Change of position armed with criteria	approved	B	6.0.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI_6	N2
NP-030532	29.078	344	-	5.5.0	Rel-5	Extension of QoS for HSDPA in GPRS CAMEL	approved	F	5.6.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAMEL4	N2
NP-030569	29.163	001	1	6.0.0	Rel-6	Use of response code 500 instead of 503	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	002	1	6.0.0	Rel-6	Autonomous Release at I-MGCF on T7 expiry	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	003	1	6.0.0	Rel-6	Clarification of 487 mapping to 127	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	004	2	6.0.0	Rel-6	Table 12 modifications	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	008	-	6.0.0	Rel-6	Correction of clause titles	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030570	29.163	009	1	6.0.0	Rel-6	Failure handling in MGCF	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030569	29.163	010	1	6.0.0	Rel-6	Interworking of user plane	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	011	2	6.0.0	Rel-6	Alignment between subclause 7.2.3 and 7.3.3 in TS 29.163	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030570	29.163	012	5	6.0.0	Rel-6	Corrections to clause 9 of TS 29.163	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030569	29.163	013	1	6.0.0	Rel-6	Criterion to start Timer Tiw2	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030570	29.163	014	2	6.0.0	Rel-6	IM-MGW initiated release	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030569	29.163	015	1	6.0.0	Rel-6	Alignment of TS 29.163 with the ITU-T recommendation Q.1912.5	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030570	29.163	016	1	6.0.0	Rel-6	Corrections to table 29 and 30 of TS 29.163	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030569	29.163	018	1	6.0.0	Rel-6	Mapping of unknown cause code values	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	021	2	6.0.0	Rel-6	Addition of References	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030569	29.163	022	3	6.0.0	Rel-6	Handling of closed used group supplementary service	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030570	29.163	023	2	6.0.0	Rel-6	Corrections on Section 9.2.8 Handling of RTP telephony events	approved	F	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030570	29.163	024	-	6.0.0	Rel-6	Wrong Mn Procedure in Figure 36	approved	D	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-Mn	N3
NP-030569	29.163	025	1	6.0.0	Rel-6	Interworking of Hold/Resume from the CS Network	approved	B	6.1.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-030547	29.198-01	025	-	5.3.0	Rel-5	Add Java Realization rules to solve MPCC name conflicts	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-030547	29.198-01	026	-	5.3.0	Rel-5	Correction to Java Realisation Rulebook	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA2	N5
NP-030553	29.198-01	027	-	5.3.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	OSA3	N5
NP-030543	29.198-02	037	-	4.6.0	Rel-4	Description correction of TpOctetSet	revised	F		Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5
NP-030580	29.198-02	037	1	4.6.0	Rel-4	Description correction of TpOctetSet	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5
NP-030543	29.198-02	038	-	5.4.0	Rel-5	Description correction of TpOctetSet	revised	A		Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5
NP-030580	29.198-02	038	1	5.4.0	Rel-5	Description correction of TpOctetSet	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5
NP-030543	29.198-02	039	-	4.6.0	Rel-4	Clarify use of base interface Reference within an inheritance relationship	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030543	29.198-02	040	-	5.4.0	Rel-5	Clarify use of base interface Reference within an inheritance relationship	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA1	N5
NP-030553	29.198-02	041	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA3	N5
NP-030548	29.198-02	042	-	5.4.0	Rel-5	Correction of datatypes supported by TpAttribute	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	OSA2	N5
NP-030549	29.198-03	086	-	5.4.0	Rel-5	Correction of the sequence diagram for Fault Management	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030549	29.198-03	087	-	5.4.0	Rel-5	Correction of State Transition Diagram for IpAccess	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030549	29.198-03	088	-	5.4.0	Rel-5	Correction of Correlation Behaviour in Load Management	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030549	29.198-03	089	-	5.4.0	Rel-5	Correction of Correlation Behaviour in Fault Management	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030549	29.198-03	090	-	5.4.0	Rel-5	Correction and Clarification of Framework Access Session Behaviour	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA2	N5
NP-030553	29.198-03	091	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	092	-	5.4.0	Rel-6	Add description for service super and sub types	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	093	-	5.4.0	Rel-6	Add support for registration of additional service property types and modes	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	094	-	5.4.0	Rel-6	Improve User Interaction message management functions	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	095	-	5.4.0	Rel-6	Add new values for TpServiceTypeName for Policy Management	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	096	-	5.4.0	Rel-6	Allow for applications to re-obtain the reference to the service manager	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	097	-	5.4.0	Rel-6	Add support in OSA to inform applications about new SCSs and their level of Backward compatibility – Align with SA1's 22.127	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	098	-	5.4.0	Rel-6	Add "Extended User Status" as service type name - Align with 29.198-06	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030554	29.198-03	099	-	5.4.0	Rel-6	Add P_USER_BINDING to TpServiceTypeName	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030554	29.198-03	100	-	5.4.0	Rel-6	Modify Framework Availability Indication in Fault Management	approved	C	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	OSA3	N5
NP-030544	29.198-04	066	-	4.7.0	Rel-4	Correction of description in superviseRes and superviseCallRes	approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	OSA1	N5
NP-030553	29.198-04-1	008	-	6.0.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	OSA3	N5
NP-030544	29.198-04-2	009	-	5.4.0	Rel-5	Correction of description in superviseCallRes	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA1	N5
NP-030553	29.198-04-2	010	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	OSA3	N5
NP-030544	29.198-04-3	015	-	5.4.0	Rel-5	Correction of description in superviseRes	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA1	N5
NP-030550	29.198-04-3	016	-	5.4.0	Rel-5	Correction of description of TpNotificationRequestedSetEntry	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA2	N5
NP-030550	29.198-04-3	017	-	6.0.0	Rel-6	Correction of description of TpNotificationRequestedSetEntry	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA2	N5
NP-030553	29.198-04-3	019	-	6.0.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data Service Capability Feature (SCF)	OSA3	N5
NP-030544	29.198-04-4	010	-	5.4.0	Rel-5	Correction of description in superviseVolumeRes	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA1	N5
NP-030551	29.198-04-4	011	-	5.4.0	Rel-5	Correction of method references in MMCC	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA2	N5
NP-030551	29.198-04-4	012	-	5.4.0	Rel-5	Include full set of 3GPP codecs in TpAudioCapabiltiesType and TpVideoCapabilitiesType	approved	F	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA2	N5
NP-030551	29.198-04-4	013	-	6.0.0	Rel-6	Include full set of 3GPP codecs in TpAudioCapabiltiesType andTpVideoCapabilitiesType	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA2	N5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030553	29.198-04-4	014	-	6.0.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	OSA3	N5
NP-030545	29.198-05	040	-	4.7.0	Rel-4	Correction to UI service responseRequested logic	approved	F	4.8.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA1	N5
NP-030545	29.198-05	041	-	5.4.0	Rel-5	Correction to UI service responseRequested logic	approved	A	5.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA1	N5
NP-030553	29.198-05	042	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA3	N5
NP-030554	29.198-05	043	-	5.4.0	Rel-6	Improve User Interaction message management functions	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA3	N5
NP-030555	29.198-05	044	-	5.4.0	Rel-6	Add speech recognition/synthesis capability to the Generic User Interaction	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	OSA3	N5
NP-030553	29.198-06	024	-	6.0.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	OSA3	N5
NP-030553	29.198-07	015	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	OSA3	N5
NP-030553	29.198-08	027	-	5.4.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	OSA3	N5
NP-030556	29.198-11	021	-	5.3.0	Rel-6	Add methods for balanceUpdate(), voucherUpdate() and getCreditExpiryDate() to OSA Account Management	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA3	N5
NP-030553	29.198-11	022	-	5.3.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	OSA3	N5
NP-030546	29.198-12	023	-	4.4.0	Rel-4	Correcting charging State Transition when reservation closed	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA1	N5
NP-030546	29.198-12	024	-	5.3.0	Rel-5	Correcting charging State Transition when reservation closed	approved	A	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA1	N5
NP-030553	29.198-12	025	-	5.3.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	OSA3	N5
NP-030553	29.198-13	005	-	6.0.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	OSA3	N5
NP-030548	29.198-13	006	-	5.2.0	Rel-5	Correction of standard datatypes supported by TpPolicy - Align with 29.198-02	approved	F	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	OSA2	N5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030548	29.198-13	007	-	6.0.0	Rel-6	Correction of standard datatypes supported by TpPolicy - Align with 29.198-02	approved	A	6.1.0	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	OSA2	N5
NP-030553	29.198-14	014	-	5.3.0	Rel-6	Add OSA API support for 3GPP2 networks	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA3	N5
NP-030557	29.198-14	015	-	5.3.0	Rel-6	Include Provisioning SCF in Presence Service - Align with SA1's 22.141	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA3	N5
NP-030557	29.198-14	016	-	5.3.0	Rel-6	Add methods to activate/deactivate PAM services for users - Align with SA1's 22.141	approved	B	6.0.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA3	N5
NP-030548	29.198-14	017	-	5.3.0	Rel-5	Correction of description of TpAttributeType to adequately support possible types - Align with 29.198-02	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA2	N5
NP-030548	29.198-14	018	-	5.3.0	Rel-5	Correction of definitin of TpPAMAttribute and addition of Service Properties to publish supported attribute types - Align with 29.198-02	approved	F	5.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	OSA2	N5
NP-030565	29.207	111	1	5.5.1	Rel-5	Source addresses in packet classifiers	approved	F	5.6.0	Policy control over Go interface	E2EQoS	N3
NP-030568	29.208	048	-	5.5.1	Rel-5	HSDPA impacts to Go interface	approved	F	5.6.0	End to end Quality of Service (QoS) signalling flows	HSDPA	N3
NP-030565	29.208	050	2	5.5.1	Rel-5	Approval of the QoS Commit as a part of the authorization decision for early media	approved	F	5.6.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030565	29.208	051	2	5.5.1	Rel-5	Session modification without adding or removing media lines	approved	F	5.6.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-030500	29.228	054	3	5.5.0	Rel-5	The S-CSCF name needs to be checked always in MAR	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030518	29.228	056	2	5.5.0	Rel-5	Conditions for inclusion of Charging Information	revised	F		IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030585	29.228	056	3	5.5.0	Rel-5	Conditions for inclusion of Charging Information	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030518	29.228	057	2	6.0.0	Rel-6	Conditions for inclusion of Charging Information	revised	A		IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030585	29.228	057	3	6.0.0	Rel-6	Conditions for inclusion of Charging Information	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	059	1	5.5.0	Rel-5	MAR in synchronisation failure case	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030500	29.228	060	1	6.0.0	Rel-6	MAR in synchronisation failure case	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	061	1	6.0.0	Rel-6	The S-CSCF name needs to be checked always in MAR	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	062	-	5.5.0	Rel-5	Conditional AVPs in answer commands	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	063	-	6.0.0	Rel-6	Conditional AVPs in answer commands	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	064	1	5.5.0	Rel-5	Server-Assignment-Request	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	065	1	6.0.0	Rel-6	Server-Assignment-Request	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	066	-	5.5.0	Rel-5	Determination of User-Authorization-Type AVP based on registration expiration	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	067	-	6.0.0	Rel-6	Determination of User-Authorization-Type AVP based on registration expiration	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	068	2	5.5.0	Rel-5	Not registered state after deregistration with S-CSCF deleted at the HSS	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	069	2	6.0.0	Rel-6	Not registered state after deregistration with S-CSCF deleted at the HSS	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	070	-	5.5.0	Rel-5	The extensibility of the XML schema	approved	F	5.6.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.228	071	-	6.0.0	Rel-6	The extensibility of the XML schema	approved	A	6.1.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-030500	29.229	021	1	5.5.0	Rel-5	The S-CSCF name needs to be checked always in MAR and SAR	approved	F	5.6.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-030500	29.229	027	-	5.5.0	Rel-5	User-Authorization-Type	approved	F	5.6.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-030518	29.229	029	-	5.5.0	Rel-5	Clarification of inclusion of elements in Charging Information	approved	F	5.6.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	IMS-CCR	N4
NP-030510	29.328	026	3	5.5.0	Rel-6	Introduction of Presence Stage 3 (Ph) to the Sh interface	approved	B	6.0.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	PRESNC	N4
NP-030501	29.328	038	-	5.5.0	Rel-5	XML Schema Correction	approved	F	5.6.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-030501	29.328	041	-	5.5.0	Rel-5	The extensibility of the XML schema	approved	F	5.6.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
NP-030518	29.328	042	-	5.5.0	Rel-5	Clarification of inclusion of elements in Charging Information	approved	F	5.6.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-030553	29.998-04-4	001	-	5.0.0	Rel-6	Add OSA API support for 3GPP2 networks in ISC Mapping	approved	B	6.0.0	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	OSA3	N5
TP-030251	31.102	163	-	3.14.0	R99	Removal of references to TS 02.07	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	164	-	4.10.0	Rel-4	Removal of references to TS 02.07	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	165	-	5.6.0	Rel-5	Removal of references to TS 02.07	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	166	-	6.3.0	Rel-6	Removal of references to TS 02.07	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	167	-	3.14.0	R99	Correction of T=0 protocol parameters	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	168	-	4.10.0	Rel-4	Correction of T=0 protocol parameters	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	169	-	5.6.0	Rel-5	Correction of T=0 protocol parameters	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	170	-	3.14.0	R99	Corrections on files for support of GSM services using USIM / NIA	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	171	-	4.10.0	Rel-4	Corrections on files for support of GSM services using USIM / NIA	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	172	-	5.6.0	Rel-5	Corrections on files for support of GSM services using USIM / NIA	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	173	-	6.3.0	Rel-6	Corrections on files for support of GSM services using USIM / NIA	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	174	-	3.14.0	R99	Support of GSM services on USIM	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	175	-	4.10.0	Rel-4	Support of GSM services on USIM	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	176	-	5.6.0	Rel-5	Support of GSM services on USIM	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	177	-	6.3.0	Rel-6	Support of GSM services on USIM	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	178	-	3.14.0	R99	Corrections on files for support of GSM services using USIM - ASCI Files	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	179	-	4.10.0	Rel-4	Corrections on files for support of GSM services using USIM - ASCI Files	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	180	-	5.6.0	Rel-5	Corrections on files for support of GSM services using USIM - ASCI Files	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	181	-	6.3.0	Rel-6	Corrections on files for support of GSM services using USIM - ASCI Files	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	182	-	3.14.0	R99	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	F		Characteristics of the USIM application	TEI	T3
TP-030306	31.102	182	1	3.14.0	R99	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	183	-	4.10.0	Rel-4	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	A		Characteristics of the USIM application	TEI	T3
TP-030307	31.102	183	1	4.10.0	Rel-4	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	184	-	5.6.0	Rel-5	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	A		Characteristics of the USIM application	TEI	T3
TP-030308	31.102	184	1	5.6.0	Rel-5	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	185	-	6.3.0	Rel-6	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	A		Characteristics of the USIM application	TEI	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030309	31.102	185	1	6.3.0	Rel-6	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	186	-	3.14.0	R99	Correction of SFI support	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	187	-	4.10.0	Rel-4	Correction of SFI support	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	188	-	5.6.0	Rel-5	Correction of SFI support	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	189	-	6.3.0	Rel-6	Editorial corrections for Image files	approved	D	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	190	-	6.3.0	Rel-6	Expansion of Message Waiting Indication Status EFs	approved	C	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	191	-	3.14.0	R99	Correction to the description of mandatory SFIs	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	192	-	4.10.0	Rel-4	Correction to the description of mandatory SFIs	approved	A	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	193	-	5.6.0	Rel-5	Correction to the description of mandatory SFIs	approved	A	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	194	-	6.3.0	Rel-6	Correction to the description of mandatory SFIs	approved	A	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	195	-	3.14.0	R99	Clarification of "free" entry in EF_EXT1/EF_EXT4	approved	F	3.15.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	196	-	4.10.0	Rel-4	Clarification of "free" entry in EF_EXT1/EF_EXT4	approved	F	4.11.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	197	-	5.6.0	Rel-5	Clarification of "free" entry in EF_EXT1/4/8	approved	F	5.7.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	198	-	6.3.0	Rel-6	Clarification of "free" entry in EF_EXT1/4/8	approved	F	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030251	31.102	199	-	6.3.0	Rel-6	Correction to Annex G Phonebook Example	approved	F	6.4.0	Characteristics of the USIM application	TEI	T3
TP-030252	31.103	010	-	5.4.0	Rel-5	Correction of T=0 protocol parameters	approved	A	5.5.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	TEI	T3
TP-030253	31.111	100	-	5.5.0	Rel-6	Addition of ability to set up Video calls using the SET UP CALL command	rejected	B		Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030253	31.111	101	-	5.5.0	Rel-5	Cell Broadcast Data Download	approved	F	5.6.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030253	31.111	102	-	5.5.0	Rel-6	Cell Broadcast Data Download	approved	F	6.0.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030253	31.111	103	-	3.10.0	R99	Clarification on user confirmation for OPEN CHANNEL	approved	F	3.11.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-030255	31.115	003	-	6.2.0	Rel-6	Remove TS 23.040 duplicated information	approved	F	6.3.0	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	TEI	T3
TP-030255	31.115	004	-	6.2.0	Rel-6	Response Packet in Concatenated Short Messages Point to Point	approved	B	6.3.0	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	TEI	T3
TP-030256	31.122	016	-	3.6.0	R99	CR to 31.122 Rel 99: Editorial Corrections	approved	D	3.7.0	Universal Subscriber Identity Module (USIM) conformance test specification	TEI	T3
TP-030254	31.900	013	-	5.3.0	Rel-5	Inclusion of Rel-5 ME requirements for SIM / USIM support	approved	F	5.4.0	SIM/USIM internal and external interworking aspects	TEI	T3
SP-030726	32.005	011	1	3.6.0	R99	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	B	3.7.0	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030618	32.015	039	-	3.11.0	R99	Correction of "Data Record Format Version"	approved	F	3.12.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	OAM-CH	S5
SP-030611	32.102	031	-	5.4.0	Rel-5	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	revised	F		Telecommunication management; Architecture	OAM-AR	S5
SP-030756	32.102	031	1	5.4.0	Rel-5	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	approved	F	5.5.0	Telecommunication management; Architecture	OAM-AR	S5
SP-030611	32.102	032	-	6.0.0	Rel-6	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	revised	F		Telecommunication management; Architecture	OAM-AR	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030756	32.102	032	1	6.0.0	Rel-6	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	approved	F	6.1.0	Telecommunication management; Architecture	OAM-AR	S5
SP-030625	32.106-6	011	-	3.3.0	R99	Remove characters causing IDL Compilation error	approved	F	3.4.0	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	CM	S5
SP-030631	32.111-1	005	-	5.1.1	Rel-6	Add retrieval of alarm history information requirement	approved	B	6.0.0	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	OAM-NIM	S5
SP-030629	32.111-2	027	-	5.4.0	Rel-6	Align the operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	OAM-NIM	S5
SP-030628	32.111-2	028	-	5.4.0	Rel-6	Remove references to GSM 12.11	approved	F	6.0.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	OAM-NIM	S5
SP-030626	32.111-3	031	-	5.4.0	Rel-5	Add missing IDL definitions to support Security Alarms	approved	F	5.5.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM	S5
SP-030628	32.111-3	032	-	5.4.0	Rel-6	Remove references to GSM 12.11	approved	F	6.0.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM	S5
SP-030629	32.111-3	033	-	5.4.0	Rel-6	Align operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM	S5
SP-030627	32.111-4	023	-	5.6.0	Rel-5	Add missing parts for the support of security alarms	approved	F	5.7.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030627	32.111-4	024	-	5.6.0	Rel-5	Mapping completion of getAlarmList	approved	F	5.7.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030629	32.111-4	025	-	5.6.0	Rel-6	Align operation getAlarmList with the notification notifyAlarmListRebuilt	approved	B	6.0.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030619	32.205	021	-	4.5.0	Rel-4	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	revised	B		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030765	32.205	021	1	4.5.0	Rel-4	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	A	4.6.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030619	32.205	022	-	5.4.0	Rel-5	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	revised	A		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030765	32.205	022	1	5.4.0	Rel-5	Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007)	approved	A	5.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030620	32.205	023	-	5.4.0	Rel-5	Correction to Level of CAMEL Service	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-030618	32.215	028	-	4.5.0	Rel-4	Correction of "Data Record Format Version"	approved	A	4.6.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-030618	32.215	029	-	5.4.0	Rel-5	Correction of "Data Record Format Version"	approved	A	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-030620	32.215	030	-	5.4.0	Rel-5	Correction to Level of CAMEL Service	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-030621	32.215	031	-	5.4.0	Rel-5	Correction on QoS Information (only if CN#22 approved CN4 CR 24.060)	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-030622	32.225	020	-	5.3.0	Rel-5	Correction of MRFC-CDR content definition for multi-party-call establishment	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-030622	32.225	021	-	5.3.0	Rel-5	Correction on ICID definition	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-030622	32.225	022	-	5.3.0	Rel-5	Removal of ASR and ASA	approved	F	5.4.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-030639	32.311	001	-	4.0.2	Rel-4	Align with 32.102	approved	F	4.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	OAM-CM	S5
SP-030639	32.311	002	-	5.0.1	Rel-5	Align with 32.102	approved	A	5.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	OAM-CM	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030640	32.312	001	-	4.0.1	Rel-4	Align with 32.102 and 32.311	approved	F	4.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	OAM-CM	S5
SP-030640	32.312	002	-	5.0.1	Rel-5	Align with 32.102 and 32.311	approved	A	5.1.0	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	OAM-CM	S5
SP-030647	32.401	012	-	5.2.0	Rel-6	Add requirements for Measurement Job overload management	revised	B		Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-030755	32.401	012	1	6.0.0	Rel-6	Add requirements for Measurement Job overload management	approved	B	6.1.0	Telecommunication management; Performance Management (PM); Concept and requirements	OAM-PM	S5
SP-030645	32.403	024	-	5.4.0	Rel-5	Correction of terms used for subcounter definitions	approved	F	5.5.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030645	32.403	025	-	6.1.0	Rel-6	Correction of terms used for subcounter definitions	approved	A	6.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-030649	32.411	002	-	6.1.0	Rel-6	Add PM IRP compliance clause	approved	B	6.2.0	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	OAM-PM	S5
SP-030612	32.421	002	-	6.1.0	Rel-6	Correction of IMS subscriber identification for Trace	approved	F	6.2.0	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	OAM-Trace	S5
SP-030630	32.602	004	-	4.1.0	Rel-4	Correction of System Context	approved	F	4.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	OAM-CM	S5
SP-030630	32.602	005	-	5.1.0	Rel-5	Correction of System Context	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information service	OAM-NIM	S5
SP-030630	32.612	007	-	4.4.0	Rel-4	Correction of System Context	approved	F	4.5.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	OAM-CM	S5
SP-030630	32.612	008	-	5.1.1	Rel-5	Correction of System Context	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	OAM-NIM	S5
SP-030646	32.615	011	-	4.3.1	Rel-4	Correction of the number of possible URAs from 1 to 8.	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-CM	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030646	32.615	012	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030643	32.622	010	-	5.1.0	Rel-5	Add Missing VsDataContainer for ManagedFunction & ManagedElement and Other IOCs (Version 2)	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030644	32.622	011	-	5.1.0	Rel-5	Correction of UML diagram and other corrections	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030648	32.622	012	-	5.1.0	Rel-6	Add SetofMcc attribute in Generic NRM IOCs for NRM alignment	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030648	32.623	007	-	5.1.0	Rel-6	Add SetofMcc attribute in Generic NRM IOCs for NRM alignment.	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-NIM	S5
SP-030642	32.624	012	-	5.1.0	Rel-5	Remove notifications from MOC managedFunction - Align with 32.622 (IS)	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030648	32.625	003	-	5.1.2	Rel-6	Add SetofMcc attribute in Generic NRM XML definition for NRM alignment	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030643	32.632	010	-	5.4.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now Covered by 32.622	approved	F	5.5.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030642	32.634	003	-	5.0.0	Rel-5	Add notifications to functional objects - Align with 32.632 (IS)	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030715	32.642	013	-	4.3.0	Rel-4	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation – Align with RAN3's TS 25.433	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030715	32.642	014	-	5.2.0	Rel-5	Correction in attribute description for "maximumTransmissionPower" to remove dual interpretation - Align with RAN3's 25.433	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5
SP-030646	32.642	015	-	4.3.0	Rel-4	Correction of the number of possible URAs from 1 to 8	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5
SP-030646	32.642	016	-	5.2.0	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-CM	S5
SP-030641	32.642	017	-	5.2.0	Rel-5	Add missing notification notifyPotentialFaultyAlarmlist	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030643	32.642	018	-	5.2.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now covered by 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030646	32.643	005	-	4.2.0	Rel-4	Correction of the number of possible URAs from 1 to 8.	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM	S5
SP-030646	32.643	006	-	5.1.0	Rel-5	Correction of the number of possible URAs from 1 to 8.	approved	A	5.2.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	OAM-CM	S5
SP-030646	32.644	008	-	4.2.0	Rel-4	Correction of the number of possible URAs from 1 to 8	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030646	32.644	009	-	5.2.0	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-CM	S5
SP-030642	32.644	010	-	5.2.0	Rel-5	Add notifications to functional objects - Align with 32.642 (IS)	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030646	32.645	006	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030641	32.652	016	-	5.2.0	Rel-5	Add missing notification notifyPotentialFaultyAlarmlist	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030643	32.652	017	-	5.2.0	Rel-5	Remove redundant VsDataContainer Containment UML - Now covered by 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-030642	32.654	008	-	5.2.0	Rel-5	Add notifications to functional objects - Align with 32.652 (IS)	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-030646	32.655	005	-	5.2.1	Rel-5	Correction of the number of possible URAs from 1 to 8	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-030630	32.662	002	-	5.0.0	Rel-5	Correction of System Context	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Kernel CM information service	OAM-NIM	S5
SP-030630	32.662	003	-	6.0.0	Rel-6	Correction of System Context	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Kernel CM information service	OAM-NIM	S5
SP-030589	33.106	006	-	5.1.0	Rel-6	Correction to lawful interception references	approved	F	6.0.0	Lawful interception requirements	SEC1-LI	S3
SP-030590	33.107	034	-	6.0.0	Rel-6	MSISDN/IMEI clarification for GPRS interception	approved	F	6.1.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-030591	33.107	035	-	6.0.0	Rel-6	Reporting TEL URL	approved	F	6.1.0	3G security; Lawful interception architecture and functions	SEC1-LI	S3
SP-030592	33.108	027	-	5.5.0	Rel-5	Correction to Annex G on TCP based transport	approved	F	5.6.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030592	33.108	028	-	6.3.0	Rel-6	Correction to Annex G on TCP based transport	approved	A	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030593	33.108	029	-	6.3.0	Rel-6	LI Reporting of Dialed Digits	approved	B	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030594	33.108	030	-	6.3.0	Rel-6	CS Section for 33.108 – LI Management Operation	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030594	33.108	031	-	6.3.0	Rel-6	CS Section for 33.108 – User data packet transfer	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030591	33.108	032	-	6.3.0	Rel-6	Reporting TEL URL	approved	B	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-030595	33.108	033	-	6.3.0	Rel-6	Alignment of Lawful Interception identifiers length to ETSI TS 101 671	approved	F	6.4.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-030596	33.203	047	1	5.7.0	Rel-5	Correcting the text on sending an authentication response	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030596	33.203	048	1	6.0.0	Rel-6	Correcting the text on sending an authentication response	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030597	33.203	049	-	5.7.0	Rel-5	SA procedures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030597	33.203	050	-	6.0.0	Rel-6	SA procedures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030598	33.203	051	-	5.7.0	Rel-5	SA parameters and management	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030598	33.203	052	-	6.0.0	Rel-6	SA parameters and management	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030599	33.203	053	-	5.7.0	Rel-5	Reject or discard of messages	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030599	33.203	054	-	6.0.0	Rel-6	Reject or discard of messages	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030600	33.203	055	-	5.7.0	Rel-5	Correcting the SA handling procedures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030600	33.203	056	-	6.0.0	Rel-6	Correcting the SA handling procedures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030601	33.203	057	-	6.0.0	Rel-6	Terminology alignment	approved	F	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030602	33.203	058	1	5.7.0	Rel-5	Introducing the SIP Privacy mechanism in Stage 2 specifications	revised	F		3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030764	33.203	058	2	5.7.0	Rel-5	Introducing the SIP Privacy mechanism in Stage 2 specifications	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030603	33.203	059	-	6.0.0	Rel-6	Removing anti-replay requirement from Confidentiality clause	approved	D	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030604	33.203	060	-	5.7.0	Rel-5	Ensuring the correct RAND is used in synchronization failures	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030604	33.203	061	-	6.0.0	Rel-6	Ensuring the correct RAND is used in synchronization failures	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030605	33.203	062	-	5.7.0	Rel-5	Network behaviour when a new REGISTER is challenged during an on going authentication	approved	F	5.8.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-030605	33.203	063	-	6.0.0	Rel-6	Network behaviour when a new REGISTER is challenged during an on going authentication	approved	A	6.1.0	3G security; Access security for IP-based services	IMS-ASEC	S3
TP-030279	34.108	251	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	252	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	253	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	254	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	255	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	256	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	257	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030279	34.108	258	1	4.8.0	Rel-4	Addition of Default message contents for TDD	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	259	2	3.13.0	R99	CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	260	2	4.8.0	Rel-4	CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	261	-	3.13.0	R99	CR 34.108 R99: EFRPLMNACT (RPLMN Last used Access Technology) removed	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	262	-	4.8.0	Rel-4	CR 34.108 Rel-4: EFRPLMNACT (RPLMN Last used Access Technology) removed	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	263	1	3.13.0	R99	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	264	1	4.8.0	Rel-4	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	265	1	3.13.0	R99	Description and corrections of channels for minimum performance levels, TDD mode.	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	266	1	4.8.0	Rel-4	Description and corrections of channels for minimum performance levels, TDD mode.	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	267	1	3.13.0	R99	Test frequencies of UMTS800MHz band VI	approved	B	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	268	1	4.8.0	Rel-4	Test frequencies of UMTS800MHz band VI	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	269	-	4.8.0	Rel-4	CR 34.108 Rel-4: Addition of Bearer combination for Interactive/background UL 64 kbps DL 768 kbps for Rel-5	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	270	1	3.13.0	R99	Update of generic test procedure for TX, RX and Performance Requirement	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	271	1	4.8.0	Rel-4	Update of generic test procedure for TX, RX and Performance Requirement	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	272	1	3.13.0	R99	Introduction of generic test procedure for RRM handover test cases	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	273	1	4.8.0	Rel-4	Introduction of generic test procedure for RRM handover test cases	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	274	-	3.13.0	R99	Correction of CM TGD parameter	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	275	1	4.8.0	Rel-4	Correction of CM TGD parameter	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	276	-	3.13.0	R99	Corrections to default message contents of Radio Bearer Release	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	277	1	4.8.0	Rel-4	Corrections to default message contents of Radio Bearer Release	approved	F	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030279	34.108	278	1	3.13.0	R99	Modification to default DPCCH_Power_offset value	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	279	1	4.8.0	Rel-4	Modification to default DPCCH_Power_offset value	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030279	34.108	282	-	3.13.0	R99	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	approved	F	3.14.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-030279	34.108	283	-	4.8.0	Rel-4	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	approved	A	4.9.0	Common test environments for User Equipment (UE) conformance testing	TEI4	T1
TP-030280	34.121	298	-	5.1.1	Rel-5	CR to 34.121: Correction to Inter-system Handover from UTRAN FDD to GSM	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	299	-	5.1.1	Rel-5	CR to 34.121: Correction to Power control in DL, initial convergence test case	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	300	1	5.1.1	Rel-5	Introduction of reference to RRM test tolerances TR	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	301	1	5.1.1	Rel-5	Introduction of Test Tolerances to Cell Reselection tests 8.2.2.1 & 8.2.2.2	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	302	1	5.1.1	Rel-5	Introduction of Test Tolerances to Cell Re-selection in CELL_PCH tests 8.3.6.1 & 8.3.6.2	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	303	1	5.1.1	Rel-5	Clarification of Downlink Physical Channel in table E.3.1	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	304	1	5.1.1	Rel-5	CR to 34.121: Correction to FDD/FDD Soft Handover test case	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	306	1	5.1.1	Rel-5	Correction to F.1.5 Requirements for support of RRM	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	307	2	5.1.1	Rel-5	Addition of two new test cases; 7.11 (Demodulation of paging channel (PCH)) and 7.12 (Detection of acquisition indicator (AI)).	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	308	1	5.1.1	Rel-5	Correction to RRM test case 8.3.5.3	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	309	1	5.1.1	Rel-5	FDD inter-frequency cell identification and measurement reporting test case	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	310	1	5.1.1	Rel-5	Changes to section 8.4.3, TFC selection requirements for codec mode switch	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	311	1	5.1.1	Rel-5	Performance requirement for HSDPA skeleton section added	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	312	1	5.1.1	Rel-5	New test requirements for Demodulation of HS-DSCH (fixed reference channel) single link performance	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	313	1	5.1.1	Rel-5	New test requirements for reporting of HS-DSCH Channel Quality Indicator (CQI) AWGN propagation conditions	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	314	1	5.1.1	Rel-5	Correction of clause 4.2 Frequency bands	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	315	1	5.1.1	Rel-5	Clause 4.4 Channel arrangement for DS-CDMA Introduction in the 800 MHz Band	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030296	34.121	315	2	5.1.1	Rel-5	Clause 4.4 Channel arrangement for DS-CDMA Introduction in the 800 MHz Band	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	316	1	5.1.1	Rel-5	DS-CDMA Introduction in the 800 MHz Band	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030296	34.121	316	2	5.1.1	Rel-5	DS-CDMA Introduction in the 800 MHz Band	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	317	1	5.1.1	Rel-5	Correction and maintenance of Annex H and DS-CDMA Introduction in the 800 MHz Band	approved	B	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030280	34.121	318	1	5.1.1	Rel-5	Correction of clause 8.7.3C UE transmitted power	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	319	-	5.1.1	Rel-5	Correction to RRM test case 8.3.2.1	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	320	1	5.1.1	Rel-5	Update of initial conditions for RF test cases	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	321	1	5.1.1	Rel-5	12.2 kbit/s RMC is insufficient for BLER testing	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	324	1	5.1.1	Rel-5	Test requirements for RRM CPICH_Ec/Io Intra Frequency Measurement	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	325	1	5.1.1	Rel-5	Test requirements for RRM CPICH_Ec/Io Inter Frequency Measurement	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	327	1	5.1.1	Rel-5	Test requirements for RRM CPICH RSCP Intra Frequency Measurement	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	328	1	5.1.1	Rel-5	Test requirements for RRM CPICH RSCP Inter Frequency Measurement	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	329	-	5.1.1	Rel-5	Introduction of Test Tolerances to Cell Re-selection in URA_PCH tests 8.3.7.1 & 8.3.7.2	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	330	1	5.1.1	Rel-5	Correction on Random Access test cases	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	331	-	5.1.1	Rel-5	Correction to W-CDMA modulated interferer definition	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030280	34.121	332	-	5.1.1	Rel-5	Addition to Scope clause to clarify applicability of tests to Releases	approved	F	5.2.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI5	T1
TP-030281	34.122	181	1	4.9.0	Rel-4	Addition of LCR GSM neighbour reporting	approved	F	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030281	34.122	182	1	4.9.0	Rel-4	Addition of LCR GSM handover test	approved	F	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030281	34.122	183	1	4.9.0	Rel-4	Update to LCR GSM RSSI measurement	approved	F	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030281	34.122	184	1	4.9.0	Rel-4	Update to inter frequency measurements	approved	F	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030281	34.122	185	1	4.9.0	Rel-4	Correction of LCR ISCP test case	approved	F	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030281	34.122	186	1	4.9.0	Rel-5	Addition of TDD HSDPA section & creation Rel 5	approved	B	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI5	T1
TP-030281	34.122	187	1	4.9.0	Rel-5	HSDPA HS DSCH throughput (fixed and variable)	approved	B	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI5	T1
TP-030281	34.122	188	1	4.9.0	Rel-5	Addition of Reporting of HS DSCH CQI	approved	B	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI5	T1
TP-030281	34.122	189	1	4.9.0	Rel-5	Addition of HS-SCCH Detection Performance	approved	B	5.0.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI5	T1
TP-030281	34.122	190	-	3.11.0	R99	Replace technical content by pointer to Rel-5 version	approved	D	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI	T1
TP-030281	34.122	191	-	4.9.0	Rel-4	Replace technical content by pointer to Rel-5 version	approved	D	4.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	TEI4	T1
TP-030282	34.123-1	584	1	5.5.0	Rel-5	Section 7.1.1: correction of coding of the Target Channel Type Field on FACH for TDD	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030282	34.123-1	591	2	5.5.0	Rel-5	Clarifications in low priority test case 11.1.2 PDP context activation requested by the network, successful and unsuccessful	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	592	1	5.5.0	Rel-5	Maintenance of low priority test case 11.2.1 Network initiated PDP context modification	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	593	1	5.5.0	Rel-5	P2 Inter-system handover	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	594	1	5.5.0	Rel-5	P4 Inter-system handover	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	595	1	5.5.0	Rel-5	CR on Package 1 SM test case 11.1.1.1 Attach initiated by context activation/QoS Offered by Network is the QoS Requested	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	596	1	5.5.0	Rel-5	CR on Package 1 SM test cases 11.3.1 PDP context deactivation initiated by the UE and 11.3.2 PDP context deactivation initiated by the UE	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	598	1	5.5.0	Rel-5	P2 Idle Mode 6.2.1.1	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	599	1	5.5.0	Rel-5	CR 34.123-1 Rel-5: 12.4.2.4 Combined routing area updating / rejected / PLMN not allowed	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	600	3	5.5.0	Rel-5	CR 34.123-1 Rel-5: 12.4.2.5a Combined routing area updating / rejected / roaming not allowed in this location area	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	601	1	5.5.0	Rel-5	New RLC test case on reconfiguration of RLC parameters by upper layers	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	602	-	5.5.0	Rel-5	New RRC test cases on Paging	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	603	1	5.5.0	Rel-5	Removal of session management test cases on QoS negotiation (Package 3+4)	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	604	1	5.5.0	Rel-5	Introduction of test cases on A-GPS positioning	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	605	1	5.5.0	Rel-5	Removal of Low priority RRC Measurement test cases	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	606	1	5.5.0	Rel-5	New RRC test case on soft handover for muliple radio links	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	607	1	5.5.0	Rel-5	Corrections to RRC test cases affected by NAS timer T3317	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	608	1	5.5.0	Rel-5	Updates to 6.2 series test cases	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030282	34.123-1	609	1	5.5.0	Rel-5	Corrections and updates on 8.1 RRC Connection Management Procedure for TDD mode	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	610	1	5.5.0	Rel-5	Corrections and updates on 8.1.6 RRC Connection Management Procedure for TDD mode, Direct Transfer	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	611	1	5.5.0	Rel-5	Corrections and updates on 8.2.1 Radio Bearer control procedure, Radio Bearer Establishment for TDD mode	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	612	1	5.5.0	Rel-5	Corrections and updates on 8.2.2 Radio Bearer control procedure, Radio Bearer Reconfiguration for TDD mode	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	613	1	5.5.0	Rel-5	Correction of references for section 18, RAB testing of TDD 1.28 Mcps option	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	614	-	5.5.0	Rel-5	CR to 34.123-1 R5; Delay between activation and deactivation of compressed mode in package 4 test case 8.4.1.43	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	616	-	5.5.0	Rel-5	Modification for GMM test cases	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	617	-	5.5.0	Rel-5	CR 34.123-1 Rel-5: P3 TC 8.4.1.28 Measurement Control and Report: UE internal measurement for events 6F and 6G	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	618	-	5.5.0	Rel-5	CR 34.123-1 Rel-5: Removal of P3 TC 10.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	619	-	5.5.0	Rel-5	General correction of CM TGD parameter	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	621	2	5.5.0	Rel-5	Modification to RRC TC 8.3.3.1 – Assign different C-RNTI in UTRAN MOBILITY INFORMATION	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	622	1	5.5.0	Rel-5	Correction to RRC P1 test case 8.1.1.8	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	623	2	5.5.0	Rel-5	Correction to RRC P2 test case 8.4.1.17	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	624	-	5.5.0	Rel-5	Correction to GMM P2 test case 12.4.2.2	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	625	-	5.5.0	Rel-5	Correction to GMM P4 test case 12.4.1.4c	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	626	1	5.5.0	Rel-5	CR for P1 test cases 8.3.4.1 and 8.4.1.1	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-030282	34.123-1	628	-	5.5.0	Rel-5	Package 3 test case 8.3.2.11	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030282	34.123-1	629	2	5.5.0	Rel-5	Package 1 test case 8.1.2.2	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	630	-	5.5.0	Rel-5	Low priority test cases 8.2.5.4	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	631	1	5.5.0	Rel-5	Traffic volume measurement test cases	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	632	-	5.5.0	Rel-5	Package 4 test case 8.2.1.26	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	633	-	5.5.0	Rel-5	Package 4 test case 9.5.7.1	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	634	-	5.5.0	Rel-5	Low priority test cases 8.2.3.26	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	635	1	5.5.0	Rel-5	Package 2 test case 8.4.1.14	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	636	-	5.5.0	Rel-5	Low priority test cases 8.3.1.29 and 8.3.1.30	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	637	-	5.5.0	Rel-5	Low priority test cases 8.3.1.26 and 8.3.1.28	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	638	1	5.5.0	Rel-5	Package 2 test case 8.4.1.7	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	640	-	5.5.0	Rel-5	Editorial Correction to RRC test case 8.3.2.13	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	642	1	5.5.0	Rel-5	Correction to GMM Low Priority test case 12.4.3.3	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	643	1	5.5.0	Rel-5	Correction to Package 1 test case 7.2.3.13.	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	644	-	5.5.0	Rel-5	Correction to clause 8.1.2.1 to match TTCN	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	645	2	5.5.0	Rel-5	Correction to package 3 test case 14.2.51b	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	646	1	5.5.0	Rel-5	Removal of package 1 RRC test case 8.2.5.1	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	647	-	5.5.0	Rel-5	Correction to TC 8.4.1.5 (Package 1)	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030282	34.123-1	648	-	5.5.0	Rel-5	General Modification to clause 9 – MM test cases – to be run only in NMOII	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030282	34.123-1	649	-	5.5.0	Rel-5	CR to P2 GMM TC 12.2.1.3	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI5	T1
TP-030283	34.123-2	121	-	5.5.0	Rel-5	New RLC test case on reconfiguration of RLC parameters by upper layers	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	122	-	5.5.0	Rel-5	New RRC test cases on Paging	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	123	1	5.5.0	Rel-5	Removal of session management test cases on QoS negotiation (Package 3+4)	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	124	1	5.5.0	Rel-5	Introduction of test cases on A-GPS positioning	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	125	1	5.5.0	Rel-5	Correction of Applicability table for RRC Measurement test cases	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	126	-	5.5.0	Rel-5	New RRC test case on soft handover for muliple radio links	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	127	-	5.5.0	Rel-5	CR 34.123-2 Rel-5: Removal of P3 TC 10.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	133	-	5.5.0	Rel-5	Removal of package 1 RRC test case 8.2.5.1	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	134	1	5.5.0	Rel-5	Add new PICS parameters	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	135	-	5.5.0	Rel-5	Change of applicability for RLC P1 TC 7.2.3.13	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030283	34.123-2	136	-	5.5.0	Rel-5	CR on Package 1 SM test cases 11.3.1 PDP context deactivation initiated by the UE and 11.3.2 PDP context deactivation initiated by the UE	approved	F	5.6.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI5	T1
TP-030284	34.123-3	141	2	3.3.0	R99	Correction to Package 1 test case 11.3.1.	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030284	34.123-3	142	3	3.3.0	R99	ASP changes and MMI string corrections	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030284	34.123-3	144	-	3.3.0	R99	Approval of RLC test case 7.2.3.12	approved	B	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030284	34.123-3	250	-	3.3.0	R99	Correction of two Tabular PDU Constraint Declarations in MAC ATS V3.3.0	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
TP-030285	34.123-3	251	-	3.3.0	R99	Updating Annex A	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030303	34.123-3	252	-	3.3.0	R99	Correction of two SM TCs to be consistent with 34.123-1	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-030284	34.123-3	252	-	3.3.0	R99	Security ASP changes	approved	F	3.4.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
SP-030574	41.101	001	-	5.4.0	Rel-5	Correction to list of specifications and removal of redundant information	approved	F	5.5.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
NP-030486	44.065	012	1	6.1.0	Rel-6	Disabling of ROHC segmentation	approved	F	6.2.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	TEI6	N1
NP-030486	44.065	013	1	6.1.0	Rel-6	XID negotiation for IP compression	approved	F	6.2.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	TEI6	N1
NP-030486	44.068	004	-	5.0.1	Rel-6	Clarification of the muting and unmuting of the downlink	approved	C	6.0.0	Group Call Control (GCC) Protocol	TEI6	N1
TP-030248	51.011	027	-	4.9.0	Rel-4	Correction to procedures for service no 21, 22 and 23	approved	F	4.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030248	51.011	028	-	4.9.0	Rel-4	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	revised	A		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030305	51.011	028	1	4.9.0	Rel-4	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	approved	F	4.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030248	51.011	029	-	4.9.0	Rel-4	Removal of references to TS 02.07	approved	F	4.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030248	51.011	030	-	4.9.0	Rel-4	Removal of references to TS 04.08	approved	F	4.10.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
TP-030258	51.013	002	-	4.0.1	Rel-4	Essential corrections	approved	F	4.1.0	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	TEI	T3
TP-030258	51.013	003	-	5.0.1	Rel-5	Essential corrections	approved	F	5.1.0	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	TEI	T3
TP-030250	51.014	004	-	4.2.0	Rel-4	Multiple inconsistency corrections	approved	F	4.3.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	TEI	T3
SP-030606	55.205	001	-	6.0.0	Rel-6	Correction of reference	approved	D	6.1.0	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	SEC1-CSALGO1	S3

Work Program Key:

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

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

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

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

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

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

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1821	T2		N	Review of definition of reference Achitecture model		TSG	10/04/2000 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			

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd
BB	**2311**	**GP**		**N**	**Gb over IP (Ip-fication of Gb)**	**GbIP**	**TSG**	09/05/2 000 08:00	19/03/2 001 17:00	100 %	No	No			
WT	2312	GP		N	Concept		TSG	09/05/20 00 08:00	10/11/20 00 17:00	100%	No	No			
WT	2313	GP		N	Changes to 08.16, 08.18		TSG	09/05/20 00 08:00	19/03/20 01 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**	06/11/2 000 08:00	08/06/2 001 17:00	100 %	No	No			
WT	2316	GP		N	Intra BSC NACC (Network Assisted Cell Change)		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2420	GP		N	Concept		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2317	GP		N	Changes in 03.64		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2318	GP		N	Changes in 04.60		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
WT	2319	GP		N	Changes in 44.008		TSG	06/11/20 00 08:00	08/06/20 01 17:00	100%	No	No			
BB	**2855**			**N**	**Start Testing**			04/06/2 001 00:00	04/06/2 001 00:00	0%	No	No			
BB	**2788**	**GP**		**N**	**MS conformance test for Intra BSC NACC**	**GEIMP2-Msconf**		30/11/2 001 08:00	19/12/2 003 17:00	50%	No	No		Started	
WT	3158	G5;G4		N	Changes in 51.010			30/11/20 01 08:00	19/12/20 03 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**	15/01/2 001 08:00	08/06/2 001 17:00	100 %	No	No			
WT	2429	GP		N	stage 2			15/01/20 01 08:00	08/06/20 01 17:00	100%	No	No			
WT	2421	G2		N	Stage 3 (changes in 44.060)		TSG	15/01/20 01 08:00	06/04/20 01 17:00	100%	No	No			
WT	2327	G2		N	Definition of enhanced countdown procedure		TSG	15/01/20 01 08:00	06/04/20 01 17:00	100%	No	No			
WT	2328	G2		N	Definition of enhanced TBF release procedure		TSG	15/01/20 01 08:00	06/04/20 01 17:00	100%	No	No			

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd										
WT	2329	G2		N	Definition of USF=FREE type polling mechanism on PDCH		TSG	15/01/2001 08:00	06/04/2001 17:00	100%	No	No			
F	**1222**	**R1**	**Rel-4**	**N**	**Low Chip Rate TDD option**	**LCRTDD**	**TSG**	**19/07/2000 08:00**	**02/12/2003 17:00**	**76%**	**No**	**No**			G. Yang, CWTS
BB	1223	R1		N	**Physical layer**	LCRTDD-Phys	TSG	19/07/2000 08:00	30/03/2001 17:00	100%	No	No			G. Yang, CWTS
BB	1224	R2		N	**Layer 2 and layer 3 protocol aspects**	LCRTDD-L23	TSG	19/07/2000 08:00	30/03/2001 17:00	100%	Yes	Yes			Y. Liu, CWTS
BB	1225	R4		N	**RF radio transmission/reception, system performance requirements and conformance testing**	LCRTDD-RF	TSG	14/08/2000 08:00	30/03/2001 17:00	100%	Yes	Yes			D. Zhang, CWTS
BB	1227	R2		N	**UE radio access capability**	LCRTDD-UErac	TSG	14/08/2000 08:00	30/03/2001 17:00	100%	Yes	Yes			Y. Liu, CWTS
BB	1228	R3		N	**Iub/Iur protocol aspects**	LCRTDD-Iublur	TSG	14/08/2000 08:00	30/03/2001 17:00	100%	Yes	Yes			Y. Liu, CWTS
BB	2262			N	**Low chiprate TDD interworking with GERAN**			01/09/2000 08:00	19/01/2001 17:00	100%	No	No			
WT	2263			N	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD			01/09/2000 08:00	19/01/2001 17:00	100%	No	No			
BB	1911	MLST		N	**Start Testing**			03/09/2001 00:00	03/09/2001 00:00	0%	No	No			
BB	2103	T1		N	**Conformance Test Aspects - Low Chip Rate TDD**			17/09/2001 08:00	02/12/2003 17:00	52%	No	No	0%		
WT	2217	T1		N	Testing Layer 2 and layer 3 protocol aspects		TSG	17/09/2001 08:00	02/07/2003 17:00	60%	No	No	34.123-1, 34.123-2	duration set to 6 months (was 0)	
WT	2562	T1		N	Testing Layer 2 and layer 3 protocol aspects - TTCN		TSG	03/12/2002 08:00	02/12/2003 17:00	0%	No	No	34.123-3		
WT	2218	T1		N	Testing RF Radio Transmission and Reception		TSG	17/09/2001 08:00	28/06/2002 17:00	100%	No	No		duration set to 6 months (was 0), finish date set	
F	**1322**	**S2**	**Rel-4**	**N**	**Enable bearer independent CS architecture**	**CSSPLIT**	**TSG**	**03/01/2000 08:00**	**01/03/2002 17:00**	**68%**	**No**	**No**			Alexander Milinski, Siemens

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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd										
BB	**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

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	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		

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

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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd

F/ 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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
														Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd	
WT	3000	S2		N	Stage 2			01/05/2000 08:00	19/01/2001 17:00	100%	No	No	23.271	AS: 23.271 completed at SA#10	
WT	3001	N1		N	Stage 3			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			
WT	3002	N1		N	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)			21/08/2000 08:00	28/12/2001 17:00	100%	No	No			Janne Muhonen / Nokia
WT	3003	N4		N	MAP impacts of LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No		Missing work task	
WT	3004	N4		N	GTP signaling for LCS			21/08/2000 08:00	30/03/2001 17:00	100%	No	No			
BB	**3005**	**RP**	**NA**	**N**	**UE positioning Rel-4**	**LCS1-UEpos**	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	Yes	Yes		UID changed	
WT	3006	R3	Rel-4	N	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-Iublur	TSG	03/04/2000 08:00	30/03/2001 17:00	100%	No	Yes		27/11: WG corrected; rapporteur corrected	Yun-Chao Hu, Ericsson
WT	3007	R2	Rel-4	N	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	28/08/2000 08:00	23/03/2001 17:00	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
F	**3045**	**T3**	**NA**	**N**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**UICC1**		24/07/2000 08:00	23/03/2001 17:00	100%	No	No			
BB	**3046**	**T3**	**Rel-4**	**N**	**Common PCN Handset Specification (CPHS)**	**UICC1-CPHS**	TSG	24/07/2000 08:00	23/03/2001 17:00	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
F	**3047**	**T3**	**NA**	**N**	**Rel-4 (U)SIM toolkit enhancements**	**USAT1**		05/06/2000 08:00	23/03/2001 17:00	100%	No	No			
BB	**3048**	**T3**	**Rel-4**	**N**	**USAT local link**	**USAT1-LocLnk**	TSG	05/06/2000 08:00	23/03/2001 17:00	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
F	**3057**	**S3**	**NA**	**N**	**Rel-4 Security enhancements**	**SEC1**	TSG	03/01/2000 08:00	15/03/2002 17:00	86%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone Peter.Howard@vodafone.com
BB	**3058**	**S3**	**Rel-4**	**N**	**Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)**	SEC1-CSALGO1	TSG	03/01/2000 08:00	15/01/2001 17:00	100%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	? ?
BB	**3059**	**S3**	**Rel-4**	**N**	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	SEC1-PSALGO1	TSG	22/02/2000 08:00	22/12/2000 17:00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	? ?

Extracted from 3GPP Work Plan: Work Plan for Rel-4 - Version 2003 April 23rd												
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3060	S3		N	Main aspects			22/02/20 00 08:00	24/11/20 00 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	20/03/20 00 08:00	22/12/20 00 17:00	100%	Yes	No			
WT	3062	N1		N	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP		19/06/20 00 08:00	22/12/20 00 17:00	100%	No	No			Duncan Mills / Vodafone Airtouch
BB	**3063**	**S3**	**Rel-4**	**Y**	**MAP application layer security**	**SEC1-MAPAL**	**TSG**	03/01/2 000 08:00	15/03/2 002 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	21/02/20 00 08:00	29/03/20 01 17:00	100%	Yes	No		UID changed	
WT	3065	N4		N	Other stage 3 aspects		TSG	22/02/20 00 08:00	24/11/20 00 17:00	100%	Yes	Yes		UID changed	
WT	3066	S3	Rel-5	N	CHECK STATUS - Visibility and Configurability of security	SEC1-VCS	TSG	03/01/20 00 08:00	15/03/20 02 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**	01/12/2 000 08:00	21/06/2 001 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**	01/12/2 000 08:00	28/09/2 001 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**	01/12/2 000 08:00	05/10/2 001 17:00	100 %	Yes	Yes	32.111-1/4		Patrick JURÉ (Lucent Technologies) pjure@LUCENT.COM

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

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

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

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

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

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th
BB	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

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	**3293**	**S1**	**NA**	**N**	**Provisioning of IP-based multimedia services**	**IMS**	**TSG**	**03/01/ 2000 08:00**	**03/03/ 2004 17:00**	**84%**	**No**	**No**		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
BB	**3294**	**S2**	**Rel-5**	**N**	**Call control and roaming to support IMS in UMTS**	**IMS-CCR**	TSG	03/01/2 000 08:00	14/06/2 002 17:00	88%	No	No			Liz Daniel, Lucent
WT	3295	S1		N	Stage 1			21/02/20 00 08:00	15/12/20 00 17:00	100%	No	No	22.228	Issues include e.g.: Roaming requirements, Requirements on supplementary services, Interworking requirements	Mark Cataldo, Motorola 17.-21.7., S1#9, Completion of CR's against 22 series [dates taken from 22.976]
WT	3296	S2		N	Stage 2 (Architecture and Main flows)		TSG	14/04/20 00 08:00	23/03/20 01 17:00	100%	Yes	Yes	23.228	Issues include e.g.: Mobile IP, RAB selection principles, Optimized VoIP bearer mechanisms, SIP multimedia protocol	Liz Daniel, Lucent R00 stage 2 at least 80 % complete in TSGS #8 21.- 23.6.2000 [WI dates need revision. To be revised by TSG#8]
WT	3297	N1		N	Impact on MM/CC/SM	IMS-CCR-IWMM		28/08/20 00 08:00	08/03/20 02 17:00	100%	No	No		Per 26/2-02: This is understood to be the PCO & TFT CRs which CN1 provides to TSGN #15 for approval. If this is correct understanding, then the task is 100 % complete.	Keith Drage, Lucent drage@lucent.com
WT	3298	N1		N	SIP Call Control protocol for the IMS		TSG	03/01/20 00 08:00	14/06/20 02 17:00	100%	No	No	TS 24.228, TS 24.229, TS 23.218	TSGN_10 approved the change:CN1 - SA2 SIP joint meeting spotted one more place for improvement: work tasks with ID 1998 and 1278 are actually subtasks under of single CN1 WT. One WI has been approved for the CN1 WT with title "SIP Call Control protocol...Keith Drage, Lucent 81.1.4 93% NP-010643 ftp://ftp.3gpp.org/Inf ormation/WI_Sheet/NP-010643.pdf 50 24/01/2002 08:00 No Yes 3 12.1.4 Fixed Duration 2233 drage@lucent.com No N1	Keith Drage, Lucent drage@lucent.com

Extracted from 3GPP Work Plan: **Rel-5 Work Plan - Version 2003 July 25th**														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	3299	N1		N	IMS signalling flows		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	Yes	Yes	TS 24.228	TS 24.228...	
WT	3300	N1		N	IMS stage 3		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	Yes	Yes	TS 24.229	TS 24.229...	
WT	3301	N1		N	IMS Session Handling; stage 2		TSG	02/10/20 00 08:00	22/03/20 02 17:00	100%	No	No	TS 23.218	TS 23.218...	
WT	3302	NP		N	Main IETF dependencies			03/01/20 00 08:00	07/06/20 02 17:00	96%	No	No			
WT	3303	N1		N	IETF: RFC 3261 (Session Initiation Protocol)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3304	N1		N	IETF: RFC 3262 (Reliability of provisional responses)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3305	N1		N	IETF: RFC 3312 (Without COMET)(Integration of resource management and SIP)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3306	N1		N	IETF: RFC 3323 (SIP extensions for caller identity and privacy)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3307	N1		N	IETF: RFC 3313 (SIP extensions for media authorization)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3308	N1		N	IETF: RFC 3265 (specific event notification)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3309	N1		N	IETF: RFC editor Queue (refer method)			24/11/20 00 08:00	07/06/20 02 17:00	100%	No	No			
WT	3310	N1		N	IETF: RFC editor Queue (DHCP options for SIP servers)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3312	N1		N	IETF: RFC 3267 (AMR and AMR WB RTP and SDP)			24/11/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3313	N1		N	IETF: RFC 3266 (IPv6 support within SDP)			03/01/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3314	N1		N	IETF: RFC 3311 (The Update method)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3315	N1		N	IETF: RFC 3324 (Network Asserted Identity)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3316	N1		N	IETF: RFC editor Queue (Various 3GPP Private Extensions)			24/11/20 00 08:00	13/05/20 02 17:00	100%	No	No			
WT	3317	S2		N	Addressing			09/10/20 00 08:00	22/03/20 02 17:00	100%	No	No			
WT	3318	S2		N	Architectural issues			09/10/20 00 08:00	31/08/20 01 17:00	100%	No	No			
WT	3319	N4		N	Impact on HSS			15/11/20 00 08:00	22/03/20 02 17:00	100%	No	No		17th May, KK: This is cover by 29.228 & 29228. Work complete.	

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	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

Extracted from 3GPP Work Plan: **Rel-5 Work Plan - Version 2003 July 25th**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	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			

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	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

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th

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		

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

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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	17/07/2 000 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2016	N2		N	CSE control over MT SMS	CAMEL4 -CCSMS	WG	17/07/2 000 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2460	N2		N	Notification of GPRS mobility management to CSE	CAMEL4 -NMM	WG	02/03/2 001 08:00	07/06/2 002 17:00	100 %	No	No			
BB	2458	N2		N	Provision of location information of called subscriber	CAMEL4 -LOCB	WG	02/03/2 001 08:00	08/03/2 002 17:00	100 %	No	No			
BB	2514	N2		N	Inclusion of ODB data in the CSE_HLR interface	CAMEL4 -ODB	WG	09/07/2 001 08:00	08/03/2 002 17:00	100 %	No	No		Added on May 29, 2001	
BB	2515	N2		N	Location information during an ongoing call (Handover DP)	CAMEL4 -HODP	WG	14/05/2 001 08:00	07/06/2 002 17:00	100 %	No	No			
BB	2516	N2		N	GPRS Any Time Interrogation	CAMEL4 -ATI	WG	09/07/2 001 08:00	07/06/2 002 17:00	100 %	No	No			
BB	3113	N2		N	Transfer of IMEI (with SW version) to CSE	CAMEL4 -ATI	WG	09/07/2 001 08:00	07/06/2 002 17:00	100 %	No	No			
BB	3192	N2		N	Handling of partial implementations of CAMEL4	CAMEL4 -SUB	WG	08/03/2 002 08:00	06/09/2 002 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	26/03/2 001 08:00	08/03/2 002 17:00	100 %	No	Yes	22.057, 23.057		Mark CATALDO, Motorola mcatald1@MOTOR OLA.COM
F	**1625**	**S4**	**Rel-5**	**N**	**Wideband Telephony Service - AMR**	**AMRW B**	**TSG**	**01/01/ 2000 08:00**	**19/12/ 2003 17:00**	**79%**	**No**	**No**			**Imre Varga, Siemens AG Imre.Varga@mch.si emens.de**
BB	62	S4		N	Specification			01/01/2 000 08:00	12/09/2 002 17:00	99%	No	No			
WT	2686	S1		N	Stage 1			01/10/20 01 08:00	22/03/20 02 17:00	100%	No	No			
WT	2685	S4		N	Stage 2			03/01/20 00 08:00	17/04/20 00 17:00	100%	No	No			

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	1459	S4		N	Design Constraints			03/01/20 00 08:00	07/02/20 00 17:00	100%	No	No			
WT	1460	S4		N	General Description			07/02/20 00 08:00	17/04/20 00 17:00	100%	No	No			
WT	1626	S4		N	Feasibility Study		TSG	28/04/20 00 08:00	02/06/20 00 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	21/09/20 01 08:00	21/12/20 01 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	13/02/20 02 08:00	07/06/20 02 17:00	100%	No	No		CN4#11 30/11/01: No inputs to CN4 at this meeting...	
WT	67	S4		N	Codec issues			03/01/20 00 08:00	12/09/20 02 17:00	99%	No	No			
WT	1627	S4		N	Codec qualification		TSG	01/02/20 00 08:00	30/05/20 00 17:00	100%	No	Yes			
WT	74	S4		N	Codec selection tests			01/06/20 00 08:00	20/10/20 00 17:00	100%	No	No			
WT	891	S4		N	Codec selection			23/10/20 00 08:00	27/10/20 00 17:00	100%	No	No			
WT	2739	S4		Y	TFO AMR-WB	AMRWB-TFO		18/12/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	890	S4		N	Other codec issues (verif., caracterisation)			29/09/20 00 08:00	07/06/20 02 17:00	100%	No	No	TR 26.976	ANSI C-Code , Test Sequences, Speech Transcoding Functions, Error Concealment of lost frames, Source Controlled Bit-Rate Operation, Voice Activity Detector, Frame Structure	
WT	2740	S4		N	AMR-WB and narrrowband interworking	AMRWB-IWG		27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2741	S4		N	Interworking with fixed broadband networks			27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2742	S4		N	Tones and announcements			27/09/20 01 08:00	14/03/20 02 17:00	100%	No	No			
WT	2743	S1		N	WB Conferencing and WB Voice Group calls (deleted)			03/01/20 00 08:00	03/01/20 00 17:00	0%	No	No			
WT	2744	S5	Rel-5	N	Billing, accounting and call detail record aspects			27/09/20 01 08:00	12/09/20 02 17:00	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
WT	1989	MLST		N	Start Testing			25/02/20 02 00:00	25/02/20 02 00:00	0%	No	No			
WT	1855	T1		N	Conformance tests (CRs to 34 series)			01/01/20 00 08:00	12/04/20 00 17:00	100%	No	No			
WT	76	S4		N	Terminal Acoustic Characteristics			01/01/20 00 08:00	12/04/20 00 17:00	100%	No	No			
WT	1628	S4		N	Definition		TSG	01/01/20 00 08:00	31/01/20 00 17:00	100%	No	Yes	26.131		

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	1629	S4		N	Test specification		TSG	01/02/20 00 08:00	12/04/20 00 17:00	100%	No	Yes	26.132		
BB	**2725**	**S4**		**N**	**Floating-point ANSI-C code for the AMR-WB speech codec**	**AMRWB-FP**	TSG	25/09/2 001 08:00	14/03/2 002 17:00	100 %	No	No	TS 26.204		J. Vainio (Nokia) janne.m.vainio@nok ia.com
BB	**80**	**GP**		**N**	**Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR**	**GAMRW B**	TSG	03/01/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
WT	3191	GP		N	Channel coding in 45.003		TSG	03/01/20 00 08:00	05/04/20 02 17:00	100%	No	No			
WT	2266	GP		N	Signalling for the A interface		TSG	03/01/20 00 08:00	29/06/20 01 17:00	100%	No	No			
WT	2267	GP		N	Signalling for Iu		TSG	03/01/20 00 08:00	28/06/20 02 17:00	100%	No	No			
WT	2268	GP		N	Receiver performance in TS 45.005		TSG	02/04/20 01 08:00	28/06/20 02 17:00	100%	No	No			
WT	2749	GP		N	Link Adaptation in 45.009		TSG	26/03/20 01 08:00	28/06/20 02 17:00	100%	No	No			
BB	**2269**	**GP**		**N**	**GERAN MS conformance test for AMR-WB**		TSG	03/01/2 000 08:00	19/12/2 003 17:00	0%	No	No		Not started	
WT	2270	GP		N	MS test		TSG	03/01/20 00 08:00	19/12/20 03 17:00	0%	No	No			
BB	**2271**	**GP**		**N**	**GERAN BTS conformance test for AMR-WB**		TSG	03/01/2 000 08:00	02/12/2 002 17:00	100 %	No	No			
WT	2272	GP		N	BTS test		TSG	03/01/20 00 08:00	02/12/20 02 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	14/05/2 001 08:00	20/03/2 002 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	15/01/2 001 08:00	29/03/2 002 17:00	97%	Yes	Yes			
WT	2474	R2	Rel-5	N	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	09/04/20 01 08:00	29/03/20 02 17:00	100%	No	No			Xiaohua Mei, CATT

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

Extracted from 3GPP Work Plan: **Rel-5 Work Plan - Version 2003 July 25th**														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2449	GP;R2; R3;S2; G1;G2		N	Stage 3 specifications		TSG	25/03/20 02 13:00	28/06/20 02 17:00	100%	No	No			
BB	**3131**	**GP**		**N**	**GERAN MS Conformance test for LCS**	**LCS-GERAN-MSconf**		03/06/2 002 08:00	27/06/2 003 17:00	60%	No	No		On-going	
WT	3132	G4;G5		N	Develop LCS MS test case work plan (Release 98/99/4)			03/06/20 02 08:00	27/06/20 03 17:00	60%	No	No			
WT	3133	G4;G5		N	Develop LCS MS test cases			03/06/20 02 08:00	27/06/20 03 17:00	60%	No	No			
BB	**3134**	**GP**		**N**	**GERAN BTS Conformance test for LCS**	**LCS-GERAN-BTSconf**		03/06/2 002 08:00	27/06/2 003 17:00	0%	No	No		Not started	
WT	3135	G4;G5		N	Develop LCS BTS test case work plan (Release 98/99/4)			03/06/20 02 08:00	27/06/20 03 17:00	0%	No	No			
WT	3136	G4;G5		N	Develop LCS BTS test cases			03/06/20 02 08:00	27/06/20 03 17:00	0%	No	No			
BB	**544**	**S2**		**N**	**LCS interoperation stage 2 aspects**			28/08/2 000 08:00	28/06/2 002 17:00	17%	No	No			
BB	**2434**	**GP**	**Rel-5**	**N**	**LCS interoperability aspects to GERAN**	**LCS-GERAN**	TSG	28/08/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
WT	2435	GP;S2; S5;R2; R3;G2; G1		N	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN	LCS-GERAN	TSG	28/08/20 00 08:00	28/06/20 02 17:00	100%	No	No			
BB	**1183**	**S1**		**N**	**FS on LCS support in the IMS**			12/02/2 001 08:00	18/01/2 002 17:00	75%	No	No			
BB	**519**	**S5**	**Rel-5**	**N**	**Charging and OAM&P for LCS enhancements**	**LCS1-OAM**	TSG	21/09/2 001 08:00	28/06/2 002 17:00	100 %	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voice stream.com; Michael.Truss@MO TOROLA.COM
BB	**521**	**S3**	**Rel-5**	**N**	**New security aspects of LCS (not identified)**	**LCS1-SEC**	TSG	14/04/2 000 08:00	28/12/2 001 17:00	100 %	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia valtteri.niemi@nokia .com
BB	**2809**	**S2**	**Rel-5**	**N**	**Specification for the Le Interface**	**LCS1-Le**	TSG	14/01/2 002 08:00	15/03/2 002 17:00	100 %	No	No			

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

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	2757	N4		N	**N4 work**		TSG	02/10/2000 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

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	3446	S5	Rel-5	N	**Rel5 Performance Management**	**OAM-PM**	TSG	17/09/2 001 08:00	12/09/2 002 17:00	100 %	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks) toche@NORTELNE TWORKS.COM
BB	3447	S5	Rel-5	N	**Rel5 Charging Management**	**OAM-CH**	TSG	10/09/2 001 08:00	12/09/2 002 17:00	100 %	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile) Karl-Heinz.Nenner@T-MOBILE.DE
BB	3448	S5	Rel-5	N	**Rel5 Network Infrastructure Management**	**OAM-NIM**	TSG	21/09/2 001 08:00	12/09/2 002 17:00	100 %	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson) Thomas.Tovinger@ emw.ericsson.se
F	**2392**	**GP**	**Rel-5**	**N**	**GERAN enhancements for streaming services 1 (RLC enhancements)**			**06/11/ 2000 08:00**	**28/06/ 2002 17:00**	**100 %**	**No**	**No**			
BB	2394	GP		N	**Concept**			06/11/2 000 08:00	31/10/2 001 17:00	100 %	No	No			
BB	2395	GP		N	**RLC protocol enhancement (SDU Discard)**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
F	**2396**	**GP**	**Rel-5**	**N**	**GERAN enhancements for streaming services 2 (usage of ECSD)**			**06/11/ 2000 08:00**	**28/06/ 2002 17:00**	**83%**	**No**	**No**		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
BB	2398	GP		N	**Usage of ECSD Concept**			06/11/2 000 08:00	19/04/2 002 17:00	100 %	No	No			
BB	2399	GP		N	**Stage 2**			06/11/2 000 08:00	19/04/2 002 17:00	100 %	No	No			
BB	2400	GP		N	**Stage 3**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
BB	2401	GP		N	**RLC PDU formats**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
BB	2402	GP		N	**MAC header**			06/11/2 000 08:00	28/06/2 002 17:00	100 %	No	No			
F	**2412**	**GP;R 3**	**Rel-5**	**N**	**GERAN/UTRAN interface evolution 1 (evolution of Iu PS)**	**GERUE V1**		**01/09/ 2000 08:00**	**28/06/ 2002 17:00**	**100 %**	**No**	**No**		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th										
BB	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	

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th
BB	**2571**	**T2**		**N**	**Multimedia Messaging (MMS) enhancements**	**MESS5-MMS**	TSG	15/06/2001 08:00	31/03/2003 17:00	62%	No	Yes			Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	2590	S1	Rel-5	N	Definition of service requirements	MESS5-SR		15/06/2001 08:00	15/03/2002 17:00	100%	No	No	22.140		Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	2591	T2		N	Technical realization			15/06/2001 08:00	07/06/2002 17:00	100%	No	No	23.140	stage 3 MM7 is missing	Josef Laumen, Siemens Josef.Laumen@SAL.SIEMENS.DE
WT	3199	T2		N	WAP Forum dependency: MM1 stage 3			15/06/2001 08:00	31/03/2003 17:00	80%	No	No			
WT	2800	S4		N	MMS formats and codecs			03/12/2001 08:00	15/03/2002 17:00	100%	No	No	26.140		
BB	**2572**	**T2**		**N**	**Enhanced Messaging Service (EMS) enhancements**	**MESS5-EMS**	TSG	15/06/2001 08:00	08/03/2002 17:00	58%	No	Yes	23.040		Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
WT	2592	S1		N	Definition of service requirements			15/06/2001 08:00	14/09/2001 17:00	100%	No	No			Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
WT	2593	T2		N	Technical realization			15/06/2001 08:00	08/03/2002 17:00	100%	No	No	23.040		Alan Baldwin, Ericsson Alan.Baldwin@EML.ERICSSON.SE
F	**2619**	**GP**	**Rel-5**	**N**	**GERAN Inter BSC NACC improvements over the Gb Interface**	**GERNACC**		03/09/2001 08:00	28/06/2002 17:00	100%	No	No			
BB	**2620**	**N4;S2**		**N**	**Modification of core network protocols for GERAN Inter BSC NACC over Gb Interface**	**GERNACC-Cnmod**		03/09/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	2621	N4;S2		N	Stage 2 - Concept			03/09/2001 08:00	31/10/2001 17:00	100%	No	No			
WT	2622	N4;S2		N	Stage 2 - 23.060 change - Definition of Inter BSC NACC			03/09/2001 08:00	19/04/2002 17:00	100%	No	No			
WT	2623	N4		N	Stage 3 (changes to TS 29.060)			03/09/2001 08:00	08/03/2002 17:00	100%	No	No		IP 30/11/01: Input awaited from GERAN2 to CN4...	
BB	**2624**	**GP**		**N**	**Modification of Gb protocols for GERAN Inter BSC NACC over Gb Interface**	**GERNACC-Gbmod**		30/11/2001 08:00	28/06/2002 17:00	100%	No	No			

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th												
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	2625	GP		N	Stage 3 (changes to TS 48.018)			30/11/2001 08:00	28/06/2002 17:00	100%	No	No			
F	**2789**	**GP**	**Rel-5**	**N**	**Enhanced Power Control**	**EPC**		26/11/2001 08:00	19/12/2003 17:00	0%	No	No			
BB	2790	GP		N	**Realization of Enhanced power control and signaling support**			26/11/2001 08:00	30/11/2001 17:00	100%	No	No		Ready	
BB	2791	GP		N	**GERAN MS Conformance test for Enhanced Power Control**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
BB	2792	GP		N	**GERAN BTS Conformance test for Enhanced Power Control**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No		Not started	
F	**2793**	**GP**	**Rel-5**	**N**	**8PSK AMR HR**	**8PSK-AH**		10/12/2001 08:00	19/12/2003 17:00	74%	No	No		Completed for Rel-5	
BB	2794	GP		N	**Definition of channel coding, performance requirements and signaling support**			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3150	GP		N	Concept			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3151	G2		N	Changes to 44.018			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3152	G1		N	Changes to 45.001			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3153	G1		N	Changes to 45.002			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3154	G1		N	Changes to 45.003			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3155	G1		N	Changes to 45.005			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3156	G2		N	Changes to 24.008			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
WT	3157	G2		N	Changes to 48.058			10/12/2001 08:00	28/06/2002 17:00	100%	No	No			
BB	2795	GP		N	**GERAN MS Conformance test for 8PSK HR**			10/12/2001 08:00	19/12/2003 17:00	0%	No	No			

Extracted from 3GPP Work Plan: Rel-5 Work Plan - Version 2003 July 25th														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	2796	GP		N	**GERAN BTS Conformance test for 8PSK HR**			10/12/2 001 08:00	20/12/2 002 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**			28/05/2 002 08:00	26/09/2 003 17:00	0%	No	No			Sophie Viallet (Gemplus)
BB	3451	T3	Rel-5	N	**Protocol Standardisation of a SIM Toolkit Interpreter**	USAT1- Interpr	TSG	05/06/2 000 08:00	22/01/2 003 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	05/06/20 00 08:00	16/03/20 01 17:00	100%	No	No		5/10/2001: Stage one comepeted at TP-12.	
WT	3453	T3		N	Stage 2 and 3		TSG	03/01/20 01 08:00	08/03/20 02 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	03/09/20 01 08:00	22/01/20 03 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		20/03/2 002 08:00	20/09/2 002 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			20/03/20 02 08:00	20/09/20 02 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
F	2808	Gene ric	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)**	**UESPLI T**	TSG	03/01/ 2000 08:00	01/05/ 2000 17:00	0%	No	No			Sanjay Gupta, Motorola sanjay.gupta@motor ola.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.vod afone.co.uk

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

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

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

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

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

Annex I: Current content of Release 6+, extracted from the Project Plan - Version January 16 2004

	Extracted from 3GPP Work Plan: **Version 2003 September 16th**														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
F	**2**	**RP**	**NA**	**Yes**	**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**	**Yes**	**Improvements of Radio Interface**	**RInImp**	**TSG**	Mon 14/08/00	Tue 14/09/04	67%	No	No		This is a generic feature without particular end date	
BB	1470	R1	Rel-6	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 12/03/04	50%	No	No			Antti Toskala, Nokia
BB	24006	R4	Rel-6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 19/09/03	100%	No	No			Shimon Moshavi, Intel
BB	24004	R4	Rel-6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	100%	No	No			
WT	1476	R4	Rel-6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes			A. Toskala, Nokia
BB	24007	R4	Rel-6	No	UMTS-850	RInImp-UMTS850	TSG	Fri 06/12/02	Fri 12/12/03	100%	No	No			Don Zelmer, Cingular
BB	24009	R4	Rel-6	No	DS-CDMA introduction in the 800 MHz band	RInImp-UMTS800	TSG	Fri 14/03/03	Fri 12/12/03	100%	No	No			Takehiro Nakamura, NTT DoCoMo
BB	24010	R4	Rel-6	No	UMTS 1.7/2.1 GHz	RInImp-UMTS1721	TSG	Fri 14/03/03	Fri 12/03/04	90%	No	No			Jussi Numminen, Nokia
BB	24013	R4	Rel-6	No	Improved Receiver Performance Requirements for HSDPA	RInImp-HSPerf	TSG	Mon 15/12/03	Tue 14/09/04	0%	No	No		Approved at TSG RAN#22 as RP-030732	Jussi Numminen, Nokia
WT	24014	R4	Rel-6	No	Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	TSG	Mon 15/12/03	Tue 14/09/04	0%	No	No	TS25.101	Approved at TSG RAN#22 as RP-030731	Takehiro Nakamura (NTT DoCoMo)
BB	3	RP	Rel-6	No	**Feasibility Studies**			Mon 14/08/00	Tue 14/09/04	60%	No	No			
WT	1506	R1	Rel-6	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 19/03/04	50%	No	No			Antti Toskala, Nokia Networks

Extracted from 3GPP Work Plan: Version 2003 September 16th														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	24001	R4	Rel-6	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 19/03/04	60%	No	No			Andrea Casini, Tekmar Sistemi
WT	21000	R1	Rel-6	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	Fri 14/12/01	Fri 19/09/03	100%	No	No			Li Xiao Qiang, SAMSUNG
WT	21003	R1	Rel-6	No	FS for the analysis of OFDM for UTRAN enhancement	RInImp-FSOFDM	TSG	Mon 10/06/02	Mon 14/06/04	55%	No	No			Sarah Boumendil, Nortel
WT	21004	R1	Rel-6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 12/03/04	65%	No	No			Karri Ranta-aho, Nokia
WT	21005	R1	Rel-6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	Fri 06/09/02	Mon 14/06/04	75%	No	No			Tim Wilkinson, IPWireless
WT	24011	R3	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	TSG	Fri 13/06/03	Fri 12/03/04	55%	No	No			Ana Burgos, Telefonica
WT	21007	R1	Rel-6	No	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	TSG	Fri 06/06/03	Tue 14/09/04	5%	No	No			Marian Rudolf, Interdigital
WT	24005	R4	Rel-6	No	FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
F	**2468**	**R1**	**Rel-6**	**No**	**Multiple Input Multiple Output antennas (MIMO)**	**MIMO**	**TSG**	Fri 14/03/03	Fri 17/12/04	17%	**No**	**No**			Howard Huang, Lucent
BB	21006	R1	Rel-6	No	**Multiple Input Multiple Output antennas - Physical layer**	**MIMO-Phys**	**TSG**	Fri 14/03/03	Tue 14/09/04	40%	No	No			Howard Huang, Lucent
BB	22003	R2	Rel-6	No	**Multiple Input Multiple Output antennas - Layer 2,3 aspects**	**MIMO-L23**	**TSG**	Fri 12/09/03	Tue 14/09/04	0%	No	No			Howard Huang, Lucent
BB	23008	R3	Rel-6	No	**Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects**	**MIMO-IurIub**	**TSG**	Fri 14/03/03	Tue 14/09/04	0%	No	No			Howard Huang, Lucent
BB	24008	R4	Rel-6	No	**Multiple Input Multiple Output antennas - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing**	**MIMO-RF**	**TSG**	Fri 12/12/03	Fri 17/12/04	27%	No	No			Man Hung Ng, Lucent
F	**9**	**RP**	**Rel-6**	**Yes**	**RAN improvements**	**RANimp**	**TSG**	Mon 25/03/02	Fri 16/12/05	50%	**No**	**No**		Generic feature	

Extracted from 3GPP Work Plan: Version 2003 September 16th														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	**624**	**R2**	**Rel-6**	**No**	**RAB support enhancement**	**RANimp-RABSE**	**TSG**	Fri 14/03/03	Fri 19/03/04	20%	Yes	Yes		This is a building block without particular end date	Juha Mikola, Nokia
WT	23009	R3	Rel-6	No	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	Fri 14/03/03	Fri 19/03/04	20%	No	No			Phillipe Godin, Nortel
BB	**23005**	**R3**	**Rel-6**	**No**	**Improvement of RRM across RNS and RNS/BSS**	**RANimp-RRM1**	**TSG**	Mon 25/03/02	Fri 05/12/03	35%	No	No			Antti Toskala, Nokia
BB	**20999**	**R1**	**Rel-6**	**No**	**Beamforming Enhancements**	**RANimp-BFE**	**TSG**	Fri 19/09/03	Fri 16/12/05	100%	No	No			Jussi Kähtävä, Nokia
BB	**23012**	**R3**	**Rel-6**	**No**	**Rel6 RRM optimization for Iur and Iub**	**RANimp-RRMopt**	**TSG**	Fri 19/09/03	Fri 12/03/04	60%	No	Yes			Gert-Jan van Lieshout, Ericsson
WT	23014	R3	Rel-6	No	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	RANimp-RRMopt-UEMsD	TSG	Fri 19/09/03	Fri 12/03/04	60%	No	No	TS25.423		Jim Miller, Interdigital
BB	**23010**	**R3**	**Rel-6**	**No**	**Remote Control of Electrical Tilting Antennas**	**RANimp-TiltAnt**	**TSG**	Fri 14/03/03	Fri 12/03/04	30%	No	No			Andreas Hauser, Vodafone
BB	**23011**	**R3**	**Rel-6**	**No**	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	**RANimp-NACC**	**TSG**	Mon 09/09/02	Fri 12/03/04	17%	No	No			Brendan McWilliams, Vodafone
BB	**23007**	**R3**	**Rel-6**	**No**	**FS of the improved access to UE measurement data for CRNC to support TDD RRM**	**RANimp-RRMopt-FSUEMsD**	**TSG**	Fri 06/12/02	Thu 18/12/03	100%	No	No			Jim Miller, Interdigital
BB	**23006**	**R3**	**Rel-6**	**No**	**FS on the evolution of the UTRAN architecture**	**RANimp-FSEvo**	**TSG**	Mon 09/09/02	Fri 12/03/04	20%	No	No			Woonhee Hwang, Nokia
F	**32045**	**S2**	**Rel-6**	**No**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**EMC1**	**TSG**	Mon 14/08/00	Wed 30/06/04	33%	No	No			Rainer Liebhart
BB	**1314**	**S1**	**Rel-6**	**No**	**Service Requirements for IP-based emergency calls**			Mon 18/09/00	Fri 27/06/03	90%	No	No	22.976		
BB	**32046**	**S2**	**Rel-6**	**No**	**Stage 2**		**TSG**	Wed 26/02/03	Wed 30/06/04	57%	No	No			Miikka Poikselka, Nokia

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**1653**	**N1**	**Rel-6**	**No**	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			Mon 14/08/00	Fri 04/06/04	8%	Yes	Yes			Mr Atle Monrad, Ericsson
WT	1315	N1	Rel-6	No	SIP emergency calls and packet emergency calls signalling flows			Tue 17/10/00	Fri 04/06/04	16%	No	No	TS 24.228		Mr Atle Monrad, Ericsson
WT	1646	N1	Rel-6	No	Stage 3 for emergency calls and packet emergency calls in general			Mon 14/08/00	Fri 04/06/04	0%	No	No	TS 24.229		Mr Atle Monrad, Ericsson
F	**32023**	**S2**	**Rel-6**	**No**	**Location Services enhancements 2**	**LCS2**	**TSG**	Mon 28/08/00	Wed 30/06/04	61%	No	No			
BB	**32024**	**S2**	**Rel-6**	**No**	**Improvement on Le interface**		**TSG**	Mon 17/06/02	Tue 23/12/03	74%	No	No			
WT	32051	S2	Rel-6	No	Stage 2			Mon 17/06/02	Mon 22/09/03	100%	No	No			
WT	32053	OMA	Rel-6	No	Stage 3 in OMA - it impacts Mobile Location Protocol (MLP)			Thu 10/07/03	Tue 23/12/03	0%	No	No			
BB	**32001**	**S2**	**Rel-6**	**No**	**Enhanced support for anonymity and user privacy**		**TSG**	Mon 08/07/02	Tue 23/12/03	68%	No	No			
WT	32047	S2	Rel-6	No	Stage 2			Mon 08/07/02	Fri 27/06/03	100%	No	No			
WT	32054	OMA	Rel-6	No	Stage 3 in OMA (it impacts MLP and RLP)			Thu 10/07/03	Tue 23/12/03	0%	No	No			
BB	**32025**	**S2**	**Rel-6**	**No**	**Enhanced inter-GMLC interface**		**TSG**	Mon 24/06/02	Fri 12/09/03	76%	No	No			
WT	32048	S2	Rel-6	No	Stage 2			Mon 24/06/02	Fri 05/09/03	86%	No	No			
WT	32055	OMA	Rel-6	No	Stage 3 in OMA (definition of RLP and PCP)			Mon 02/09/02	Fri 12/09/03	65%	No	No			
BB	**32012**	**S2**	**Rel-6**	**No**	**Location Services support for IMS public identities**		**TSG**	Mon 02/09/02	Wed 30/06/04	54%	No	No			
WT	32049	S2	Rel-6	No	Stage 2			Mon 24/02/03	Wed 30/06/04	57%	No	No			
WT	32056	OMA	Rel-6	No	Stage 3 in OMA (impacts MLP, RLP and PCP)			Mon 02/09/02	Fri 19/12/03	51%	No	No			
BB	**32026**	**S2**	**Rel-6**	**No**	**New area event for location service triggering reports**		**TSG**	Mon 03/06/02	Fri 18/06/04	65%	No	No			
WT	32050	S2	Rel-6	No	Stage 2			Mon 03/06/02	Fri 27/06/03	100%	No	No			

Extracted from 3GPP Work Plan: **Version 2003 September 16th**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	14015	N4	Rel-6	No	Stage 3 for UE-CN signalling			Thu 09/10/03	Fri 18/06/04	52%	No	No		31/10/2003 work has started. Current stage 3 fullfills the requirements of stage 2.	
WT	32057	OMA	Rel-6	No	Stage 3 in OMA (impacts MLP, RLP and PCP)			Mon 14/07/03	Fri 19/12/03	0%	No	No			
BB	**32029**	**S2**	**Rel-6**	**No**	**FS on applicability of GALILEO for LCS**			Mon 08/07/02	Wed 30/06/04	54%	No	No			
WT	32058	S2	Rel-6	No	TR on Stage 2 (No contributions received, No feedback from other groups since May)			Mon 08/07/02	Wed 30/06/04	67%	No	No			
WT	50095	GP	Rel-6	No	GERAN review of the TR			Mon 25/08/03	Fri 06/02/04	0%	No	No			
BB	**20001**	**RP**	**Rel-6**	**No**	**UE positioning**	**LCS2-UEpos**	**TSG**	Mon 28/08/00	Mon 14/06/04	56%	No	No			
WT	2457	R2	Rel-6	No	UE positioning enhancements - other methods	LCS2-UEpos-enh	TSG	Mon 28/08/00	Fri 26/09/03	10%	No	No		This is a building block without particular end date	Meik Kottkamp, Siemens
WT	2475	R2	Rel-6	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 19/09/03	100%	No	No			Meik Kottkamp, Siemens
WT	24012	R4	Rel-6	No	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	Fri 06/06/03	Mon 14/06/04	30%	No	No			Donglin Shen, AT&T Wireless Services
WT	22002	R2	Rel-6	No	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	Mon 01/07/02	Fri 19/09/03	100%	No	No			David Bartlett, Cambridge Positioning Systems
F	**1571**	**S3**	**Rel-6**	**No**	**Security enhancements**	**SEC1**	**TSG**	Wed 03/01/01	Fri 13/02/04	43%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone
BB	**2026**	**S3**	**Rel-6**	**No**	**Enhanced HE control of security (including positive authentication reporting)**			Wed 03/01/01	Thu 25/09/03	23%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone
WT	2027	S3	Rel-6	No	Stage 2			Wed 03/01/01	Fri 14/06/02	0%	No	No		New end date and correct Release to be decided S3#18	
WT	33006	S3	Rel-6	No	Network domain security	SEC1-NDS	TSG	Mon 17/06/02	Thu 25/09/03	50%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
WT	33007	S3	Rel-6	No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Mon 17/06/02	Thu 25/09/03	50%	No	No	TS 33.210	Should be complete after SA3#27	
BB	**33017**	**S3**	**Rel-6**	**No**	**"Network Domain Security; Authentication Framework (NDS/AF)"**	**SEC1-NDS-AF**	**TSG**	Fri 15/02/02	Fri 13/02/04	70%	No	No		WID approved SA#19. Work started after FS approved SA#18	Tommi Viitanen, Nokia

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Version 2003 September 16th										
F	**32021**	**S1**	**Rel-6**	**No**	**IMS Phase 2**	**IMS2**	**TSG**	Mon 28/08/00	Fri 18/06/04	54%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
BB	**32027**	**S2**	**Rel-6**	**No**	**Stage 2 of IMS Phase 2**			Mon 02/09/02	Fri 19/09/03	80%	No	No			
BB	**14014**	**N4**	**Rel-6**	**No**	**Enhancements to the Cx and Sh interfaces**	IMS2-CCR	WG	Fri 06/06/03	Fri 18/06/04	46%	No	No		29/05/2003 CN4: New WID presented for approval at CN#20......	
BB	**31025**	**S1**	**Rel-6**	**No**	**IMS Group Management**	IMSGM	TSG	Thu 14/03/02	Fri 18/06/04	39%	No	No			Juha Kalliokulju (Nokia)
WT	31026	S1	Rel-6	No	Stage 1 - TS on IMS group management		TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	32036	S2	Rel-6	No	Stage 2			Mon 26/05/03	Wed 31/12/03	100%	No	No			
WT	11036	N1		No	Stage 3 for IMS Group management (e.g. chat)			Fri 13/12/02	Fri 04/06/04	0%	No	No			Keith Drage, Lucent
WT	33019	S3	Rel-6	No	Key Management of group keys for Voice Group Call Services	SECGKYV	TSG	Fri 26/09/03	Fri 18/06/04	5%	No	No	42.068, 43.068, 44.068, 42.069, 43.069, 44.069, 31.102, 24.008, 48.008, 42.009, 43.020	Approved TSG#21	Benno Tietz, Vodafone D2
BB	**11037**	**N1**	**Rel-6**	**No**	**IMS Conferencing**			Mon 04/11/02	Fri 04/06/04	80%	No	No			
WT	32037	S2	Rel-6	No	Stage 2			Mon 04/11/02	Wed 31/12/03	93%	No	No			
WT	32038	N1		No	Stage 3			Fri 13/12/02	Fri 04/06/04	70%	No	No			Keith Drage, Lucent
BB	**31022**	**S1**	**Rel-6**	**No**	**IMS Messaging**	IMSM	TSG	Thu 14/03/02	Fri 04/06/04	68%	No	No			Juha Kalliokulju (Nokia)
WT	31023	S1	Rel-6	No	TR on support of messaging in the IMS	IMSM-TR	TSG	Thu 14/03/02	Mon 09/12/02	100%	No	No			Juha Kalliokulju (Nokia)
WT	31034	S1	Rel-6	No	Stage 1 22.340	IMSM-TS	TSG	Mon 11/11/02	Wed 11/12/02	100%	No	No	22.340		Juha Kalliokulju (Nokia)
WT	31033	S1	Rel-6	No	CRs to 22.140 & 22.228	IMSM-CR	TSG	Thu 14/03/02	Mon 17/03/03	100%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)
WT	32700	S2	Rel-6	No	Stage 2			Mon 04/11/02	Wed 31/03/04	71%	No	No			
WT	11039	N1		No	Stage 3 for IMS Messaging			Fri 13/12/02	Fri 04/06/04	25%	No	No			Keith Drage, Lucent
BB	**32005**	**S2**	**Rel-6**	**No**	**IMS Local services**			Mon 01/01/01	Fri 04/06/04	46%	No	No	23.228		

	Extracted from 3GPP Work Plan: **Version 2003 September 16th**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	32019	S2	Rel-6	No	Stage 2			Mon 01/01/01	Fri 29/03/02	100%	No	No			
WT	11035	N1		No	Stage 3 for IMS Local services			Fri 13/12/02	Fri 04/06/04	0%	No	No			Keith Drage, Lucent
BB	**11040**	**N1**	**Rel-6**	**No**	**Additional SIP Capabilities support not covered by Rel-5**			Mon 11/11/02	Fri 04/06/04	45%	No	No			
WT	32041	S2	Rel-6	No	Stage 2 for add SIP cap (e.g. forking)			Mon 11/11/02	Wed 31/12/03	51%	No	No			
WT	32042	N1		No	Stage 3 for Additional SIP Capabilities			Fri 13/12/02	Fri 04/06/04	40%	No	No			Keith Drage, Lucent
BB	**11041**	**N1**		**No**	**Review additional SIP Capabilities against IMS**			Fri 13/12/02	Fri 12/03/04	20%	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 12/12/03	57%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
WT	13004	N3	Rel-6	No	Interworking for 3GPP_SIP and IETF_SIP			Mon 28/08/00	Fri 13/06/03	100%	No	No	New TR 29.962	[DAB - 20.08.03] - CN Part of TR Complete @ CN#20	Thomas Belling, Siemens
WT	13005	N3	Rel-6	No	Interworking for IPv6 to IPv4			Mon 28/08/00	Fri 12/12/03	20%	No	No	29.163		
BB	**13011**	**N1**	**Rel-6**	**No**	**Mm interface (CSCF to external IP multimedia network) -- NOT CN3**			Wed 14/03/01	Fri 04/06/04	40%	No	No		[DAB - 23.05.03] - IS NOT THE RESPO OF CN3	
WT	11017	N1	Rel-6	No	CN1 part			Wed 14/03/01	Fri 04/06/04	40%	No	No			
BB	**2047**	**N3**	**Rel-6**	**No**	**Interworking between IMS and CS networks**	**IMS-CCR-IWCS**	**TSG**	Mon 28/08/00	Thu 18/03/04	78%	No	No	29.163, 29.061, 24.228, and new CN4 specification	[DAB - 23.05.03] - Remove ITU dependancies	Brendan Mc Williams, Vodafone
BB	**14001**	**N4**	**Rel-6**	**No**	**Mn interface (IM-MGW to MGCF) enhancements (CN3 Part)**	**IMS-CCR-Mn**		Tue 07/08/01	Fri 18/06/04	45%	No	No		"[CN4] 17th May 2002, CN4; Will be handled in Rel-6..."	
BB	**14012**	**N4**	**Rel-6**	**No**	**Mp (MRFC - MRFP) interface (CN3 Part)**	**IMS-CCR-Mp**		Wed 09/07/03	Fri 18/06/04	0%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)...	
BB	**31036**	**S1**	**Rel-6**	**No**	**Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6"**			Fri 15/11/02	Thu 12/12/02	100%	No	No			Juha Kalliokulju (Nokia)

Extracted from 3GPP Work Plan: **Version 2003 September 16th**													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	33012	S3	Rel-6	No	Lawful Interception in the 3GPP Rel-6 architecture	SEC1-LI	TSG	Mon 09/12/02	Thu 18/12/03	10%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm
BB	31042	S1	Rel-6	No	IMS Subscription and access scenarios			Mon 16/12/02	Fri 13/06/03	100%	No	No	22.800		
F	32063	S2	Rel-6	No	3GPP Enablers for services like Push to Talk over Cellular (PoC)			Mon 08/09/03	Fri 25/06/04	29%	No	No	23.9xx		Shabnam Sultana, Ericsson
F	32062	S2	Rel-6	No	Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)			Mon 08/09/03	Fri 25/06/04	29%	No	No			Alexander Milinski, Siemens
F	11032	S2	Rel-6	No	"Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""	IMSCOOP	TSG	Mon 16/09/02	Fri 12/12/03	96%	No	No			
BB	32028	S2	Rel-6	No	Stage 2 for Interoperability (no contributions assumed that no more will be done in 3GPP hence work may need to be done in pp2)			Mon 16/09/02	Tue 30/09/03	92%	No	No			Balazs Beternyi, Nokia
BB	32061	S2	Rel-6	No	Stage 2 for commonality			Mon 16/09/02	Fri 19/09/03	100%	No	No			Balazs Beternyi, Nokia
BB	11033	N1	Rel-6	No	Stage 3			Mon 14/10/02	Fri 12/12/03	95%	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	93%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
BB	31004	S1	Rel-6	No	Stage 1			Wed 03/01/01	Fri 14/06/02	100%	No	No			
BB	32000	S2	Rel-6	No	MOVE TO REL5- TR on feasibility study			Wed 03/01/01	Fri 07/09/01	100%	No	No		Stage 2 on hold, waiting for requirements.	
BB	32701	S2	Rel-6	No	TR 23.976 on Push Architecture			Mon 11/11/02	Fri 27/02/04	81%	No	No			Nick Alfano, RIM

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	**42009**	**T2**	**Rel-6**	**No**	**Multimedia Messaging (MMS) enhancements**	**MMS6**	**TSG**	**Thu 15/08/02**	**Fri 04/06/04**	**36%**	**No**	**Yes**			Josef Laumen, Siemens
BB	42010	S1	Rel-6	No	Definition of service requirements	MMS6-SR		Fri 15/11/02	Fri 19/12/03	100%	No	No	22.140		
WT	31031	S1	Rel-6	No	Definition of service requirements charging			Fri 15/11/02	Fri 19/12/03	100%	No	No	22.140		Josef Laumen, Siemens
BB	42011	T2	Rel-6	No	Technical realization		TSG	Thu 15/08/02	Wed 10/03/04	45%	No	No	23.140		Josef Laumen, Siemens
BB	42012	T2	Rel-6	No	OMA dependencies			Thu 15/08/02	Wed 10/03/04	10%	No	No			
BB	42013	S4	Rel-6	No	MMS formats and codecs			Thu 15/08/02	Fri 19/03/04	30%	No	No	26.140		
BB	42014	T2	Rel-6	No	Handling of private addressing schemes in MMS		TSG	Wed 10/12/03	Fri 04/06/04	0%	No	No	23.140		Matthias Röbke, T-Mobile
BB	42015	T2	Rel-6	No	FS Multiple MMS Relay/Server Architecture		TSG	Wed 10/12/03	Fri 04/06/04	0%	No	No	new TR		Juan Gorospe, Telefónica Móviles
F	**42005**	**T2**	**Rel-6**	**No**	**Rel-6 MExE enhancements**	**MEXE6**	**TSG**	**Fri 08/03/02**	**Fri 06/06/03**	**100%**	**No**	**Yes**			
BB	42006	T2	Rel-6	No	MExE Rel-6 Improvements and Investigations	MEXE6-ENHANC	TSG	Fri 08/03/02	Wed 12/03/03	100%	No	Yes	22.057, 23.057		Lars Brenk (TTPCom)
BB	42007	T2	Rel-6	No	MExE Run-Time Independent Framework Feasibility Study	MEXE6-RTIF	TSG	Fri 08/03/02	Fri 06/06/03	100%	No	Yes	22.857		Aaron Cohen (Intel)
F	**2062**	**S5**	**Rel-6**	**No**	**Subscription Management**	**SM**	**TSG**	**Fri 20/09/02**	**Fri 18/06/04**	**65%**	**No**	**Yes**	**32.140/1, 32.171/2**		Istvan ABA (T-Mobile Austria)
F	**2499**	**S1**	**Rel-6**	**No**	**Support of Presence Capability**	**PRESNC**	**TSG**	**Mon 19/03/01**	**Fri 19/03/04**	**76%**	**No**	**No**		"A Sultan merged ""Presence Service Enhancements"" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmts had same target completion date"	Mark Cataldo, Motorola
BB	2501	S1	Rel-6	No	Stage 1			Mon 19/03/01	Fri 18/07/03	100%	No	No			
BB	2502	S2	Rel-6	No	Stage 2		TSG	Wed 12/09/01	Fri 20/09/02	100%	No	No			
BB	2503	N1	Rel-6	No	Stage 3			Mon 01/04/02	Fri 12/03/04	80%	No	No			Keith Drage, Lucent

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: **Version 2003 September 16th**															
BB	34025	S4	Rel-6	No	Media Codecs and Formats for IMS Messaging and Presence	COFIMP	TSG	Thu 12/06/03	Fri 19/03/04	10%	No	No	TS 26.141	Also for 31022 IMS Messaging	Harri Honko (Nokia)
BB	2504	S3	Rel-6	No	Security issues			Mon 26/08/02	Thu 12/12/02	20%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	
BB	2505	T3	Rel-6	No	USIM issues			Mon 04/03/02	Thu 20/06/02	0%	No	No			
F	50056	GP	Rel-6	No	Enhanced A/Gb feasibility study	AGbEnFS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No		Closed	J-L Carrizo, Vodafone
BB	50057	G2	Rel-6	No	Feasibility study on A/Gb enhancements	AGbEnFS-FS	TSG	Fri 30/08/02	Fri 08/11/02	75%	No	No			
WT	50080	GP	Rel-6	No	Requirements for the support of conversational services			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50084	GP	Rel-6	No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50093	GP	Rel-6	No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	52081	G2	Rel-6	No	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			Fri 30/08/02	Fri 08/11/02	0%	No	No			
WT	52082	G2	Rel-6	No	Outline of impact and feasibility of these building blocks and their different solutions			Fri 30/08/02	Fri 08/11/02	0%	No	No			
WT	50081	GP	Rel-6	No	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50082	GP	Rel-6	No	Standardisation effort			Fri 30/08/02	Fri 08/11/02	100%	No	No			
WT	50083	GP	Rel-6	No	Dependency to other features			Fri 30/08/02	Fri 08/11/02	100%	No	No			
F	50063	GP	Rel-6	No	Flexible Layer One for GERAN	FLOGER	TSG	Mon 03/01/00	Fri 25/06/04	86%	No	No		Nokia, Ericsson, Siemens, Telia	Benoist Sébire
BB	50064	GP	Rel-6	No	Realisation of a Flexible Layer One	FLOGER-Real		Mon 03/01/00	Fri 06/02/04	90%	No	No		Started	Benoist Sébire

Extracted from 3GPP Work Plan: Version 2003 September 16th													
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
WT	50065	GP	Rel-6	No	Technical Report			Fri 19/04/02	Fri 06/02/04	90%	No	No			
WT	51002	G1	Rel-6	No	Architecture in 45.001 and 43.051			Fri 19/04/02	Fri 06/02/04	90%	No	No			
WT	51003	G1	Rel-6	No	Multiplexing in 45.002			Fri 19/04/02	Fri 06/02/04	90%	No	No			
WT	51004	G1	Rel-6	No	Channel Coding in 45.003			Fri 19/04/02	Fri 06/02/04	90%	No	No			
WT	51005	G1	Rel-6	No	Performance Requirements in 45.005			Mon 03/01/00	Fri 06/02/04	90%	No	No			
WT	51006	G1	Rel-6	No	Radio subsystem link control in 45.008			Fri 19/04/02	Fri 06/02/04	90%	No	No			
WT	52071	G2	Rel-6	No	Requirements in 44.004			Fri 19/04/02	Fri 06/02/04	90%	No	No			
BB	**52072**	**G2**	**Rel-6**	**No**	**Signalling and protocol support for a Flexible Layer One**	**FLOGER -SigPro**		Fri 19/04/02	Fri 06/02/04	80%	No	No		Started	Benoist Sébire
WT	52073	G2	Rel-6	No	Modifications to RLC/MAC in 44.060 and 44.160			Fri 19/04/02	Fri 06/02/04	80%	No	No			
WT	52074	G2	Rel-6	No	Modifications to RRC in 44.118 and 44.018			Fri 19/04/02	Fri 06/02/04	80%	No	No			
BB	**52075**	**"S3; G2"**	**Rel-6**	**No**	**Security for a Flexible Layer One**	**FLOGER -SecFLO**		Fri 19/04/02	Fri 29/08/03	100%	No	No		Started	Benoist Sébire
WT	52076	"S3; G2"	Rel-6	No	Ciphering in 44.160,44.118, 44.060 and 44.018			Fri 19/04/02	Fri 29/08/03	100%	No	No			
BB	**55077**	**"G4;G 5"**	**Rel-6**	**No**	**GERAN MS Conformance test for the Flexible Layer One**	**FLOGER -Msconf**		Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	Benoist Sébire
WT	55078	"G4;G 5"	Rel-6	No	MS Test in 51.01050085			Fri 06/02/04	Fri 25/06/04	0%	No	No			
BB	**55079**	**G3**	**Rel-6**	**No**	**GERAN BTS Conformance test for the Flexible Layer One**	**FLOGER -BTSconf**		Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	Benoist Sébire
WT	53080	G3	Rel-6	No	BTS Test in 51.021			Fri 06/02/04	Fri 25/06/04	0%	No	No			
F	**50041**	**GP**	**Rel-6**	**No**	**Uplink TDOA feasibility study**	**TDOAF**		Fri 30/11/01	Fri 28/06/02	100%	No	No	45.811		Bob Gross, TruePosition, Inc.
F	**2544**	**S1**	**Rel-6**	**No**	**Multimedia Broadcast and Multicast Service**	**MBMS**	**TSG**	Fri 11/05/01	Fri 25/06/04	32%	No	No		Title renamed at SA#13	
BB	2545	S1	Rel-6	No	**Stage 1**			Fri 11/05/01	Mon 01/04/02	100%	No	No	22.146, 22.101	This may or may not be a separate stage 1. In the meantime, CRs are proposed for 22.101	
BB	32002	S2	Rel-6	No	**Stage 2**		TSG	Mon 24/09/01	Fri 27/02/04	90%	No	No			

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Version 2003 September 16th															
WT	32702	S2	Rel-6	No	TR on Architectural Study			Mon 24/09/01	Fri 23/08/02	100%	No	No			
WT	32703	S2	Rel-6	No	Stage 2 Specification Work. (User Service aspects may impact)			Mon 19/08/02	Fri 27/02/04	84%	No	No			
BB	**2481**	**R2**	**Rel-6**	**No**	**Introduction of MBMS in RAN**	**MBMS-RAN**	**TSG**	Tue 01/01/02	Mon 14/06/04	60%	No	No			Juho Pirskanen , Nokia
BB	**11030**	**N1**	**Rel-6**	**No**	**Support of the MBMS in CN protocols**		**TSG**	Tue 18/06/02	Fri 12/03/04	50%	No	No			
BB	**13015**	**N3**	**Rel-6**	**No**	**Gmb interface for MBMS (CN3 part)**			Fri 29/08/03	Fri 18/06/04	10%	No	No			
BB	**33008**	**S3**	**Rel-6**	**No**	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	**MBMS**	**TSG**	Mon 01/07/02	Thu 25/09/03	20%	No	No		WID approved SA#17	Escott, Adrian, 3
BB	**50085**	**GP**	**Rel-6**	**No**	**Support of MBMS in GERAN**	**MBMS-GERAN**	**TSG**	Thu 30/08/01	Fri 25/06/04	20%	No	No			
WT	50086	GP	Rel-6	No	Impact on the logical and physical channels			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	51085	G1	Rel-6	No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 27/06/03	0%	No	No			
WT	51086	G1	Rel-6	No	Simultaneous support of MBMS and non-MBMS services			Fri 30/08/02	Fri 27/06/03	0%	No	No			
WT	52085	G2	Rel-6	No	Re-synchronisation at cell change			Fri 30/08/02	Fri 27/06/03	0%	No	No			
WT	50098	GP	Rel-6	No	Simultaneous support of MBMS services			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50099	GP	Rel-6	No	Simultaneous support of MBMS and non-MBMS services			Thu 30/08/01	Fri 25/06/04	25%	No	No			
WT	50100	GP	Rel-6	No	Resynchronisation at cell change			Thu 30/08/01	Fri 25/06/04	25%	No	No			
WT	50087	GP	Rel-6	No	Decision making process between point-to-point or pont-to-multipoint configurations			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50088	GP	Rel-6	No	MBMS channel allocations procedures to multiple MSs			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50089	GP	Rel-6	No	Changes to the Gb interface			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50090	GP	Rel-6	No	GERAN specific changes to the Iu-ps interface			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50091	GP	Rel-6	No	Interaction between MBMS and Iu-flex			Fri 30/08/02	Fri 25/06/04	25%	No	No			
WT	50092	GP	Rel-6	No	Security aspects			Fri 30/08/02	Fri 25/06/04	25%	No	No			

Extracted from 3GPP Work Plan: Version 2003 September 16th													
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	53081	G3	Rel-6	No	MS conformance tests- G3			Fri 30/08/02	Fri 25/06/04	0%	No	No			
WT	55091	G5	Rel-6	No	MS conformance tests - G5			Fri 30/08/02	Fri 27/06/03	0%	No	No			
BB	**31045**	**S1**	**Rel-6**	**No**	**MBMS User Services**			Fri 11/05/01	Thu 18/03/04	52%	No	No	22.246		
WT	31044	S1	Rel-6	No	MBMS User Services Stage 1			Fri 11/05/01	Mon 01/04/02	80%	No	No	22.246		
WT	34026	S4	Rel-6	No	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	MBMS-TSMBMS	TSG	Thu 12/06/03	Thu 18/03/04	20%	No	No			Igor Curcio (Nokia)
F	**31006**	**S1**	**Rel-6**	**No**	**Speech Recognition and Speech Enabled Services**	**SRSES**	**TSG**	Mon 08/10/01	Fri 19/03/04	41%	No	No			
BB	**31007**	**S1**	**Rel-6**	**Yes**	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	**DSR**	**TSG**	Mon 08/10/01	Fri 15/03/02	100%	No	No	22.941, 23.207, 22.243		D Williams, QUALCOMM, Inc.
BB	**32999**	**S2**	**Rel-6**	**No**	**TR on Architectural impacts**			Mon 12/05/03	Tue 02/03/04	62%	No	No			
BB	**11021**	**N1**	**Rel-6**	**No**	**TO BE DELETED AT CN#23-SES codec negotiation at SDP**			Mon 23/09/02	Wed 04/06/03	0%	No	No		renamed according to Hannu's indication	
BB	**34700**	**S4**	**Rel-6**	**No**	**Codec Work to Support Speech Recognition Framework for Automated Voice Services**	**SRSES-Codec**	**WG**	Tue 15/10/02	Fri 19/03/04	30%	No	No	22.243		David Pearce, Motorola
F	**31008**	**S1**	**Rel-6**	**No**	**Generic User Profile**	**GUP**	**TSG**	Mon 08/10/01	Fri 18/06/04	60%	No	No			
BB	**31009**	**S1**	**Rel-6**	**No**	**Stage 1 - Requirements**			Mon 08/10/01	Fri 30/05/03	99%	No	No	22.240, 22.228		Paul Amery (Orange)
BB	**32008**	**S2**	**Rel-6**	**No**	**Stage 2 - Architecture**			Mon 28/01/02	Fri 06/06/03	100%	No	No	23.240		Nacho Uzquiano (Telefonica)
BB	**42002**	**T2**	**Rel-6**	**No**	**Stage 2 - Data Description Method**		**TSG**	Mon 08/10/01	Wed 31/03/04	60%	No	No	23.241		Kurt Bischinger (T-Mobile AUSTRIA)
BB	**42003**	**T2**	**Rel-6**	**No**	**Stage 3 - Common objects**		**TSG**	Mon 08/10/01	Wed 02/06/04	50%	No	No	24.241		
BB	**14008**	**N4**	**Rel-6**	**No**	**Stage 3 - Network**			Mon 19/05/03	Fri 18/06/04	20%	No	No	29.240	17 May no activity in CN4...	
BB	**33009**	**S3**	**Rel-6**	**No**	**Security Aspects**		**WG**	Tue 16/07/02	Thu 18/09/03	15%	No	No	33.102, 33.203, 33.210	WID approved SA#17. SA WG3 progress slow, depends on progress in other groups.	Owen, Bradley

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Version 2003 September 16th										
F	31010	S1	Rel-6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 21/03/03	49%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
BB	31011	S1	Rel-6	No	Requirements			Mon 08/10/01	Thu 13/06/02	100%	No	No			Nicholas Wood, Openwave Systems
BB	31037	S1	Rel-6	No	Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			Mon 19/08/02	Fri 21/03/03	0%	No	No			
BB	33001	S3	Rel-6	No	Monitoring of Security (work done by OMA)			Mon 17/06/02	Mon 03/03/03	40%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
F	31012	S1	Rel-6	No	WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Fri 18/06/04	87%	No	No			Fredric Paint, Telenor
BB	31020	S1	Rel-6	No	Technical Report	WLAN-TR		Mon 03/01/00	Fri 13/06/03	99%	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor
BB	31035	S1	Rel-6	No	CRs to implement WLAN	WLAN-CR		Mon 03/01/00	Fri 13/06/03	99%	No	No	22.934, 22.101, 22.105, 22.115		Fredric Paint, Telenor
BB	32018	S2	Rel-6	No	Architecture Definition		TSG	Mon 25/03/02	Fri 27/02/04	87%	No	No			
BB	32704	S3	Rel-6	No	Security		TSG	Mon 30/09/02	Fri 21/03/03	30%	No	No	21.133, 33.106, 33.107, 33.108, 33.200, 33.203, 33.210	Active contribution S3#24, S3#25. WID approved SA#17	Lopez-Soria, Luis, Ericsson
BB	14013	N4	Rel-6	No	Stage 3 - CN4 aspects	WLAN-IW	TSG	Fri 23/05/03	Fri 18/06/04	70%	No	No	29.234, 29.061	WID approved at CN#19......	Rodriguez ,Raquel, Nokia
BB	11042	N1	Rel-6	No	WLAN interworking-stage 3		WG	Fri 23/05/03	Fri 04/06/04	50%	No	No			
F	31015	S1	Rel-6	No	Priority Service	PRIOR	TSG	Thu 30/05/02	Fri 26/09/03	67%	No	No			
BB	31016	S1	Rel-6	No	Feasibility Study	PRIOR-FS		Fri 14/06/02	Fri 14/06/02	100%	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies
BB	31017	S1	Rel-6	No	Stage 1 - Requirements	PRIOR-SR		Thu 30/05/02	Wed 17/09/03	85%	No	No			James J. Garrahan, Telcordia Technologies
BB	31041	S1	Rel-6	No	Priority Multimedia Service			Fri 28/03/03	Fri 26/09/03	0%	No	No			

F/BB/WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
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BB	31043	S1	Rel-6	No	Priority service implementation guide			Fri 28/03/03	Fri 26/09/03	85%	No	No	22.952		Biplab K. Pramanik, Telcordia Technologies
F	31018	S1	Rel-6	No	Network Sharing	NTShar	TSG	Mon 20/01/03	Mon 14/06/04	57%	No	No			
BB	31019	S1	Rel-6	No	Technical Report	NTShar-TR		Mon 20/01/03	Fri 19/12/03	100%	No	No	22.951		
BB	31038	S1	Rel-6	No	Stage 1 - CRs to implement Network Sharing	NTShar-CR		Mon 20/01/03	Fri 19/12/03	100%	No	No	22.011, 22.101, 22.115, 22.129		
BB	32044	S2	Rel-6	No	Stage 2			Thu 27/02/03	Tue 09/03/04	74%	No	No			
BB	11043	N1	Rel-6	No	Network sharing - stage 3		WG	Fri 23/05/03	Fri 04/06/04	2%	No	No			
BB	22004	R2	Rel-6	No	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANEnh	TSG	Fri 19/09/03	Mon 14/06/04	5%	No	No	TS25.401, TS25.413, TS25.331, TS25.304		Anders Dahlén, TeliaSonera
F	32016	S2	Rel-6	Yes	QoS Improvements	QoS1	TSG	Mon 15/07/02	Wed 31/03/04	60%	No	No			
BB	32017	S2	Rel-6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Tue 09/03/04	79%	No	No			
BB	32059	S2	Rel-6	No	Definition of the Gq interface			Tue 01/07/03	Wed 31/03/04	45%	No	No			Janne Rinne (Nokia)
BB	13016	N3	Rel-6	No	Gq interface specification for Dynamic Policy control enhancements – Stage 3		TSG	Fri 29/08/03	Fri 19/03/04	25%	No	No	24,228, 29.207, 29.208		Anna Sillanpää, Nokia
F	33002	S3	Rel-6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Wed 30/06/04	47%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
BB	32705	S3	Rel-6	No	Stage 1			Mon 25/02/02	Thu 12/09/02	40%	No	No		Contribution received S3#24, S3#25	
BB	32706	S2	Rel-6	No	Architecture review			Mon 14/10/02	Thu 14/11/02	100%	No	No			
BB	14504	N4	Rel-6	No	Stage 3	SEC1-SC		Fri 19/09/03	Wed 30/06/04	45%	No	No		WID approved at CN#21......	Lauri Laitinen, Nokia
F	15010	S1	Rel-6	No	Rel-6 OSA enhancements	OSA3	TSG	Thu 31/10/02	Fri 18/06/04	69%	No	No	22.127, 29.198, 29.998	NP-030036 Rev WID replaces SP-020573.	Chelo ABARCA (Alcatel)

Extracted from 3GPP Work Plan: Version 2003 September 16th														
F/ BB/ WT	**WI ID**	**WG**	**Rel**	**Split**	**WI Name**	**Acronym**	**Appr Level**	**Start**	**End**	**% comp**	**WG Appd**	**TSG Appd**	**Impacted Specs**	**Notes**	**Rapporteur**
BB	31040	S1	Rel-6	No	**Scope of the Open Service Access Release 6**		TSG	Fri 28/03/03	Fri 27/06/03	90%	No	No			
BB	15026	N5	Rel-6	No	**Multi Media Messaging function**		TSG	Thu 31/10/02	Fri 18/06/04	50%	No	No	29.198, 29.998	N5#25: No progress reflected in the specs.	
BB	15028	N5	Rel-6	No	**Policy management extensions**		TSG	Thu 31/10/02	Fri 12/12/03	90%	No	No	29.198, 29.998	N5#25: Good progress 40%->90%	
BB	15029	N5	Rel-6	No	**Presence and Availability Management (from the PRESNC WI)**		TSG	Thu 31/10/02	Fri 26/03/04	80%	No	No	29.198, 29.998	"N5#25: Completion 09/04; consistent with CN1 delayed Rel-6 completion.TS completion in 12/2003 & TR completion in 09/2004.Good progress 40%->80%"	
BB	15032	N5	Rel-6	No	**OSA interfaces at different levels of abstractions (Parlay X, Web services)**		TSG	Mon 14/07/03	Fri 18/06/04	90%	No	No	29.199	N5#25: CHANGED Start Date to the handover from Parlay (07/2003). Draft TS 29.199 v100 submitted to CN#22 for Information. Will be submitted for CN#24 approval in 06/2004.	
BB	15033	N5	Rel-6	No	**Introduction of migration support mechanism**		TSG	Fri 01/11/02	Fri 12/12/03	100%	No	No	29.198, 29.998	N5#25: completed	
BB	15034	N5	Rel-6	No	**User Profile**		TSG	Thu 31/10/02	Fri 26/03/04	0%	No	No	29.198, 29.998	N5#24&25: Still Pending input from SA1/2.	
BB	15036	N5	Rel-6	No	**Framework Function for Federation**		TSG	Mon 03/02/03	Fri 12/12/03	100%	No	No	29.198, 29.998	N5#25: completed	
F	**50401**	**GP**	**Rel-6**	**No**	**Addition of frequency bands to GSM**	**TAPS**	**TSG**	Fri 28/06/02	Fri 06/02/04	6%	No	No			Torben Themsen
BB	50094	G1	Rel-6	No	**Addition of frequency bands to GSM – Changes to core specs**	**TAPS-Specs**	TSG	Fri 15/11/02	Fri 20/12/02	100%	No	No		Ready	Torben Themsen
WT	51102	G1	Rel-6	No	Changes to core specs			Fri 15/11/02	Fri 20/12/02	100%	No	No			
BB	54102	G4	Rel-6	No	**Addition of frequency bands to GSM – Changes for conformance tests**	**TAPS-Conf**		Fri 28/06/02	Fri 06/02/04	0%	No	No		Not started	Torben Themsen
WT	54103	G4	Rel-6	No	51.010-1 Add testing			Fri 28/06/02	Fri 06/02/04	0%	No	No			
F	**50130**	**GP**	**Rel-6**	**No**	**Seamless support of streaming services in A/Gb mode**	**SSStrea**	**TSG**	Mon 03/01/00	Fri 30/01/04	94%	No	No			José Luis Carrizo Martínez, Vodafone

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Version 2003 September 16th										
BB	**51131**	**G1**	**Rel-6**	**No**	**Identification of requirements for streaming**			Fri 27/06/03	Fri 29/08/03	100%	No	No		Started	
WT	51133	G1	Rel-6	No	Requirements			Fri 27/06/03	Fri 29/08/03	100%	No	No			
BB	**51132**	**G1**	**Rel-6**	**No**	**Performance study of cell change mechanisms**			Mon 03/01/00	Fri 29/08/03	100%	No	No		Started	
WT	51134	G1	Rel-6	No	Performance of NACC			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	51135	G1	Rel-6	No	Performance of cell change in DTM for the PS domain			Mon 03/01/00	Fri 29/08/03	100%	No	No			
WT	51136	G1	Rel-6	No	Handover			Mon 03/01/00	Fri 29/08/03	100%	No	No			
BB	**52131**	**G2**	**Rel-6**	**No**	**Reduction of service interruption times and packet loss during mobility procedures**			Fri 27/06/03	Fri 21/11/03	99%	No	No		Completed at GERAN#17	
WT	52133	G2	Rel-6	No	Optimisations of existing mechanisms/procedures			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52134	G2	Rel-6	No	Inter-system NACC			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52135	G2	Rel-6	No	PS Handover (within GERAN and between GERAN and UTRAN)			Fri 27/06/03	Fri 21/11/03	100%	No	No			
WT	52136	G2	Rel-6	No	Dependency to other features			Fri 27/06/03	Fri 21/11/03	100%	No	No			
BB	**54131**	**"G4;G5"**	**Rel-6**	**No**	**MS conformance testing**			Fri 19/12/03	Fri 30/01/04	99%	No	No		Closed, no work needed	
WT	54132	"G4;G5"	Rel-6	No	MS conformance tests			Fri 19/12/03	Fri 30/01/04	100%	No	No		Closed, no work needed	
BB	**33013**	**S3**	**Rel-6**	**No**	**GERAN A/Gb mode security enhancements**			Thu 26/09/02	Thu 25/09/03	10%	No	No	33.102	Possible changes to 33.102 or new specification needed.	Peter Howard, Vodafone
F	**34300**	**S4**	**Rel-6**	**No**	**Performance characterisation of default codecs for PS conversational multimedia application**	**CODCAR**	**TSG**	Fri 13/09/02	Fri 19/03/04	60%	No	No	TR 26.9yz		Pasi Ojala (Nokia)
F	**31030**	**S1**	**Rel-6**	**No**	**Study on Privacy Capability**	**PrivCap**	**TSG**	Fri 08/11/02	Mon 03/03/03	60%	No	No	TR 22.949		Liz Daniel, Lucent
F	**35010**	**S5**	**Rel-6**	**No**	**OAM&P**	**OAM**	**TSG**	Thu 12/09/02	Fri 18/06/04	62%	No	No	32-series		Michael TRUSS (Motorola)

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
Extracted from 3GPP Work Plan: Version 2003 September 16th
BB	35011	S5	Rel-6	No	**Principles, high level Requirements and Architecture**	**OAM-AR**	**TSG**	Thu 12/09/02	Thu 18/03/04	70%	No	Yes	32.101, 32.102		Michael TRUSS (Motorola)
BB	35012	S5	Rel-6	No	**Performance Management**	**OAM-PM**	**TSG**	Thu 12/09/02	Thu 18/03/04	70%	No	No	32.41x, 52.402		Christian TOCHE (Nortel Networks)
BB	35014	S5	Rel-6	No	**Network Infrastructure Management**	**OAM-NIM**	**TSG**	Thu 12/09/02	Thu 18/03/04	60%	No	No	32.15x, 32.3/6/7xy		Thomas TOVINGER (Ericsson)
BB	35015	S5	Rel-6	No	**Trace Management**	**OAM-Trace**	**TSG**	Fri 20/09/02	Fri 18/06/04	43%	No	No	32.42x, 52.008		Kari RÖNKÄ (Nokia)
WT	23013	R3	Rel-6	No	Subscriber and equipment trace in UTRAN	OAM-Trace-RAN	TSG	Fri 06/06/03	Fri 12/03/04	35%	No	No			Yann Sehedi, Nortel
WT	35022	S5	Rel-6	No	Subscriber and UE trace management	OAM-Trace	TSG	Fri 20/09/02	Fri 18/06/04	70%	No	No	32.42x, 52.008		Kari RÖNKÄ (Nokia)
F	**35016**	**S5**	**Rel-6**	**No**	**Charging Management**	**CH**	**TSG**	**Thu 21/11/02**	**Fri 19/03/04**	**71%**	**No**	**No**	**32.2xy**		**Karl-Heinz NENNER (T-Mobile)**
BB	35017	S5	Rel-6	No	**Charging Management for Bearer level**	**CH-BC**	**TSG**	Fri 21/03/03	Fri 19/03/04	70%	No	No			Benni ALEXANDER (Nokia)
BB	35018	S5	Rel-6	No	**Charging Management for the IMS**	**CH-IC**	**TSG**	Fri 21/03/03	Fri 19/03/04	70%	No	No			Ariel SHARON (Lucent)
BB	35019	S5	Rel-6	No	**Charging Management for the Service domain**	**CH-SC**	**TSG**	Fri 21/03/03	Fri 19/03/04	70%	No	No			Gerald GÖRMER (Siemens)
BB	32030	S2	Rel-6	No	**Overall architectural aspects of IP flow based bearer level charging**			Thu 21/11/02	Tue 02/03/04	74%	No	No			
F	**1800**	**T3**	**Rel-6**	**Yes**	**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	Yes	**UICC API**	**USAT1-API**		Wed 20/03/02	Thu 19/02/04	98%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
WT	43001	T3	Rel-6	No	Java API Test specification			Wed 20/03/02	Mon 10/06/02	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	43003	T3	Rel-6	No	Java API Test specification (TS 43.019 Rel-5)			Thu 30/05/02	Mon 09/06/03	100%	No	No			Mario Pérez (Microelectrónica Española)
WT	43006	T3	Rel-6	No	2G/3G Java Card™ API based applet interworking	USAT1-API	TSG	Mon 17/03/03	Thu 19/02/04	95%	No	No			Stéphane Andrau-Oberthur Card Systems
BB	43004	T3	Rel-6	No	**Rel-6 USIM toolkit enhancements**			Mon 25/09/00	Fri 27/09/02	99%	No	No			

Extracted from 3GPP Work Plan: Version 2003 September 16th														
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
WT	502031	T3	Rel-6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			
WT	502032	T3	Rel-6	No	Specification		TSG	Mon 25/09/00	Fri 27/09/02	100%	Yes	Yes			Neil Livingston – Aspects Software
WT	502033	T3	Rel-6	No	Test specification		TSG	Mon 01/01/01	Fri 28/09/01	100%	Yes	Yes			Neil Livingston – Aspects Software
F	**34022**	**S4**	**Rel-6**	**No**	**Packet Switched Streaming Services Rel-6**	**PSSrel6**	**TSG**	**Mon 18/11/02**	**Thu 18/03/04**	**52%**	**No**	**No**			**Olle Franceschi (Ericsson)**
BB	31039	S1	Rel-6	No	Stage 1		TSG	Mon 18/11/02	Mon 17/03/03	100%	No	No	22.233	2nd resp SA4	
BB	34024	S4	Rel-6	No	Stage 3	PSSrel6	WG	Fri 13/12/02	Thu 18/03/04	40%	No	No	26.233, 26.234, 26.244, 26.245, 26.246		Olle Franceschi (Ericsson)
F	**34023**	**S4**	**Rel-6**	**No**	**AMR-WB extension for high audio quality**	**AMRWB+**	**TSG**	**Fri 13/12/02**	**Thu 18/03/04**	**45%**	**No**	**No**			**Janne Vainio (Nokia)**
F	**51101**	**"GP; G1"**	**Rel-6**	**No**	**Single Antenna Receiver Interference Cancellation (SAIC)**	**SAIC**	**TSG**	**Fri 15/11/02**	**Fri 06/02/04**	**80%**	**No**	**No**			**Marc Grant, Cingular Wireless**
F	**50500**	**GP**	**Rel-6**	**No**	**Support of Conversational Services in A/Gb mode via the PS domain**	**SCSAGB**	**TSG**	**Fri 07/02/03**	**Fri 27/08/04**	**23%**	**No**	**No**			**David Bladsjö, Ericsson**
BB	50501	GP	Rel-6	No	Creation of a TR	SCSAGB-TR	TSG	Fri 07/02/03	Fri 21/11/03	100%	No	No			David Bladsjö, Ericsson
BB	50502	GP	Rel-6	No	Stage 2	SCSAGB-Stage2	TSG	Fri 21/11/03	Fri 23/04/04	5%	No	No		Started	David Bladsjö, Ericsson
BB	50503	GP	Rel-6	No	Radio Channel Support	SCSAGB-RCS	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50504	"GP; G2"	Rel-6	No	Definition of radio resource management functionality	SCSAGB-RRM	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50505	GP	Rel-6	No	PS Handover	SCSAGB-PSH	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
BB	50506	"GP; G2"	Rel-6	No	Modifications to FLO	SCSAGB-FLO	TSG	Fri 06/02/04	Fri 27/08/04	0%	No	No		Not started	David Bladsjö, Ericsson
F	**12006**	**S1**	**Rel-6**	**No**	**Enhancement of dialled service for CAMEL**	**EDCAMEL**	**TSG**	**Fri 28/03/03**	**Wed 31/12/03**	**57%**	**No**	**No**			**Craig Bishop, Samsung Electronics Research Institute**

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
					Extracted from 3GPP Work Plan: Version 2003 September 16th										
WT	12007	N2	Rel-6	No	Stages 2 and 3			Fri 28/03/03	Wed 31/12/03	57%	No	No			
F	32060	S2	Rel-6	No	**Bandwidth and resource savings in CS networks**	**CSSAVE**		Sun 01/06/03	Wed 30/06/04	35%	No	No	TR 23.977		
F	33018	S3	Rel-6	No	**FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces**		TSG	Thu 03/07/03	Fri 26/12/03	5%	No	No		Approved TSG#20	Raziq Yaqub, Toshiba America Research Inc.
F	50600	"GP; G2"	Rel-6	No	**Multiple TBF in A/Gb mode**	**MULTBF**	TSG	Fri 05/04/02	Fri 30/01/04	70%	No	No			Gunnar Mildh, Ericsson
BB	50601	"GP; G2"	Rel-6	No	**Multiple TBF in A/Gb mode**	MULTBF -Agbmode	TSG	Fri 05/04/02	Fri 29/08/03	100%	No	No			Gunnar Mildh, Ericsson
WT	50602	"GP;G2"	Rel-6	No	Multiple TBF Concept paper			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50603	"GP;G2"	Rel-6	No	Multiple TBF Stage 2 (43.064) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No			
WT	50604	"GP;G2"	Rel-6	No	Multiple TBF Stage 3 (44.060) CRs			Fri 05/04/02	Fri 29/08/03	100%	No	No		Not started	
BB	50605	G3	Rel-6	No	**Multiple TBF in A/Gb mode – MS testing**	**MULTBF -Testing**	TSG	Fri 05/04/02	Fri 30/01/04	0%	No	No		Not started	Gunnar Mildh, Ericsson
F	50096	G3	Rel-6	No	**Alignment between the test-regimes for GERAN capable MS**	**ALTERE**	TSG	Fri 29/08/03	Fri 23/04/04	80%	No	No			Toubassi, Ericsson
WT	50097	G3	Rel-6	No	Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.	ALTERE-TC	TSG	Fri 29/08/03	Fri 23/04/04	80%	No	No		Started	
F	50444	GP	Rel-6	No	**Addition of U-TDOA in the CS domain**	**UTDOA CS**	TSG	Fri 21/11/03	Fri 06/02/04	90%	No	No		Started	Bob Gross, Rhys Robinson, TruePosition, Inc.
F	50445	GP	Rel-6	No	**Addition of U-TDOA in the PS domain**	**UTDOA PS**	TSG	Fri 21/11/03	Fri 06/02/04	5%	No	No		Started	Bob Gross, Rhys Robinson, TruePosition, Inc.
F	50101	GP	Rel-6	No	**Advanced Receiver Performance**	**ARP**	TSG	Fri 21/11/03	Fri 12/11/04	2%	No	No			Tommy Bysted, Nokia
BB	50102	GP	Rel-6	No	**ARP test scenarios**	**ARP-TS**	TSG	Fri 21/11/03	Fri 23/04/04	5%	No	No		Started	Tommy Bysted, Nokia

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
BB	**50103**	**GP**	**Rel-6**	**No**	**ARP for GMSK modulated voice services**	**ARP-GMSK**	**TSG**	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	Tommy Bysted, Nokia
WT	50104	GP	Rel-6	No	Performance requirements in 45.005	ARP-GMSK-Perf	TSG	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	
WT	50105	GP	Rel-6	No	Radio subsystem link control in 45.008	ARP-GMSK-LC	TSG	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	
BB	**50106**	**GP**	**Rel-6**	**No**	**ARP for GPRS and EGPRS MCS1-MCS4**	**ARP-GPRSE**	**TSG**	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	Tommy Bysted, Nokia
WT	50107	GP	Rel-6	No	Performance requirements in 45.005	ARP-GPRSE-Perf	TSG	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	
WT	50108	GP	Rel-6	No	Radio subsystem link control in 45.008	ARP-GPRSE-LC	TSG	Fri 06/02/04	Fri 25/06/04	0%	No	No		Not started	
BB	**50115**	**GP**	**Rel-6**	**No**	**ARP Capability signalling**	**ARP-CAPSIG**	**TSG**	Fri 21/11/03	Fri 23/04/04	5%	No	No		Started	Tommy Bysted, Nokia
BB	**50116**	**G3**	**Rel-6**	**No**	**GERAN MS Conformance test for ARP**	**ARP-ConfTest**	**TSG**	Fri 27/08/04	Fri 12/11/04	0%	No	No		Not started	Tommy Bysted, Nokia
F	**50109**	**G2**	**Rel-6**	**No**	**Reduction of PS service interruption in Dual Transfer Mode**	**PSintDTM**	**TSG**	Fri 21/11/03	Fri 12/11/04	1%	No	No			Toby Proctor, Siemens
BB	**50110**	**G2**	**Rel-6**	**No**	**Use case and requirement definition**	**PSintDTM-Req**	**TSG**	Fri 21/11/03	Fri 23/04/04	5%	No	No		Started	Toby Proctor, Siemens
BB	**50111**	**G2**	**Rel-6**	**No**	**Performance Study of Current Procedures**	**PSintDTM-Perf**	**TSG**	Fri 21/11/03	Fri 23/04/04	0%	No	No		Not started	Toby Proctor, Siemens
BB	**50112**	**G2**	**Rel-6**	**No**	**Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures**	**PSintDTM-Reduct**	**TSG**	Fri 23/04/04	Fri 25/06/04	0%	No	No		Not started	Toby Proctor, Siemens
BB	**50113**	**G3**	**Rel-6**	**No**	**MS Conformance testing**	**PSintDTM-ConfMS**	**TSG**	Fri 25/06/04	Fri 12/11/04	0%	No	No		Not started	
BB	**50114**	**G3**	**Rel-6**	**No**	**BTS Conformance testing**	**PSintDTM-ConfBTS**	**TSG**	Fri 25/06/04	Fri 12/11/04	0%	No	No		Not started	

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