Technical Specification Group Services and System Aspects
Meeting #23, Phoenix, USA, 15 - 18 March 2004

Report

Source: **Secretary TSG SA**

Title: **Report of TSG SA meeting #23**

Status: **Approved at TSG SA #24 - version 1.0.0**

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Draft Report

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the meeting. The Vice Chairman, Mr. Gary Jones, welcomed delegates to Phoenix on behalf of the hosts, *North American Friends of 3GPP*, and provided information about the facilities available around the meeting location and a social event organised for the evening of 15 March 2004.

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

TD SP-040001 Draft agenda for TSG SA meeting #23. The TSG SA Chairman introduced the agenda which was reviewed and approved.

A request was made to ensure that all WG inputs should be made available as soon as possible before the meeting in order for delegates to have time to review the documents submitted for approval.

3 Approval of the meeting report of TSG-SA Meeting # 22

TD SP-040002 Draft Report for TSG SA meeting #22. The draft report, version 0.0.8 contained revision marks showing changes made from the original draft sent for comment by the TSG SA Secretary. The report was approved and will be updated to remove revision marks and placed on the 3GPP FTP server as version 1.0.0.

4 Items for immediate consideration

TD SP-040014 On 3GPP Rel-6 Work Prioritisation. This was provided by Ericsson, Nokia and Siemens. The contribution included a summary of discussions held over e-mail and listed the Features which were considered essential for Rel-6. The contributors proposed to take this list as a basis for the identification of essential and desired features and building blocks for Rel-6. It was commented that this was a good starting point for further discussions on the content of Rel-6 and that it should be considered in the light of the review of the Work Plan status provided in this meeting by MCC. Delegates were asked to review and discuss this contribution off-line and it will be re-visited in relation to the Work Plan status under agenda item 8.8. Siemens stated that the contribution should be understood as an encouragement to companies to progress the Work Items that they would need in Rel-6 and are close to completion. Siemens wished that there would be a smaller time difference between future Releases than currently seen between Rel-5 and Rel-6. The TSG SA Chairman reminded delegates that any prioritisation agreed by TSG SA should act as guidance to delegates and Member Companies to focus contribution to the WG meetings, which cannot prioritise work without specific input on those topics.

It was generally agreed that some priority should be set by TSG SA for Rel-6 Features and the list of the priorities should be discussed off-line in order to reach agreement. This was further handled in an ad-hoc discussion group and the document noted.

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

TD SP-040052 Cover Note on Report of Ad-Hoc Email Discussion on Release Process. This was introduced by Nortel Networks and introduces the results of the e-mail discussions provided in TD SP-040053.

TD SP-040053 Report of Ad-Hoc Email Discussion on Release Process. This was introduced by Nortel Networks. The Ad-hoc discussions concluded that:

4.1 Early Implementation of Features
Features may be implemented when standardisation of that feature is completed whether or not the corresponding release is approved.

4.2 Multiple Release Streams
It was proposed that the current system-wide release structure remains.

4.3 Six Monthly Releases
The MCC does not have the resources or industry for that matter, to deal with releases on a fixed 6 monthly basis, e.g. the number of mirror CRs, new versions of the specs, release stability, etc. We should not go down the road of having releases determined by calendar date, we have at present a release date based on a reasonable content, which as it turns out, has been on an approximately 12 monthly basis, but the release date is still based on content rather than the timescale.

It was agreed that the conclusion 4.1 should be investigated and it should be determined how such a mechanism can be introduced and managed efficiently.

It was agreed that the e-mail discussions should continue until the next TSG SA meeting in order to discuss the administrative "visibility of completed Features" (i.e. clear documentation) and to discuss whether there is any means to determine the suitability to implement a Feature independent of other Features in its' Release. Mr. Iain Sharp agreed to continue the e-mail discussions and Members were asked to actively contribute to this discussion.

6 Letters / Reports from other groups

6.1 TSG-T, TSG-CN, TSG-RAN, TSG-GERAN

TD SP-040012 LS from TSG GERAN: On the Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal. This was introduced by the TSG GERAN Chairman and presented the conclusions of discussions in GERAN on preferred roaming list issues. TSG GERAN requested that TSG SA create an answer to 3GPP2 TSG-C based on the comments provided by TSG GERAN. There was some discussion on the need for a LS to be sent by TSG SA to 3GPP2 as other WGs were also addressed in this issue. It was noted that 3GPP2 will complete their specification work soon on this and it would be better to inform them of the conclusions from TSG GERAN at an early stage. It was also suggested that the scenarios for this interworking should also be investigated and in order to fully understand the issues involved. A response LS was drafted during off-line discussions and was provided in TD SP-040212 which was superseded by the proposal in TD SP-040226.

TD SP-040224 Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal. This was introduced by the TSG SA Chairman:

> *TSG SA requests that 3GPP2 TSG-C continues to be aware of 3GPP's interest in the overlay system selection function specification work and provide answer to issues raised in this LS and provide more information so that TSG SA can better understand the work which has to be performed.*
> *3GPP TSG SA ask 3GPP2 TSG-C to provide answers to the issues raised in this LS and provide more information about the overlay functionality. In addition, 3GPP TSG SA would like receive more background information about the scenarios and service requirements.*

The proposed Liaison was discussed and updated in TD SP-040226 which was approved.

NOTE: This superseded the proposed LS in TD SP-040217.

It was commented that not all the questions asked by 3GPP2 are answered in this LS.

6.2 Partners and their bodies

TD SP-040009 Liaison Statement (from T1A1) on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors. This was related to the reply LS in TD SP-040024 "*Reply LS (from SA WG2) on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors*", which were considered together. This was introduced by Nokia and asked ITU-T to take into account SA WG2's views regarding the development of this Interworking Function specification.

It was noted that liaison to ITU-T should be endorsed via the PCG and e-mail reflector as there is no official liaison from 3GPP WGs and the ITU-T. The principles of the response were agreed and these two documents were then noted.

TD SP-040150 LS from ETSI TC-TISPAN: Request for close cooperation on future NGN Standardisation. This was related to the reply LS in TD SP-040182 "*LS (from TSG CN) on Request for close cooperation on future NGN Standardisation*", which were considered together. This was introduced by the TSG CN Chairman and asked TSG SA to review the attached liaison and send it to TISPAN with the following action:

> "3GPP requests the 3GPP TSG CN or TSG SA management to organise a workshop in conjunction with ETSI TISPAN."

It was clarified that this was intended as a rapid way to get the work started by having a common understanding of the working between different organisations and to help ETSI TISPAN to proceed and make the best use of the available specifications. It was considered that if other SDOs have groups which are also involved in this work then they should also send relevant delegates to the Workshop.

It was agreed that a Workshop should be held and the SA WG2 Chairman agreed to arrange the Workshop. The response LS, based on TD SP-040182, was provided in TD SP-040192 which was reviewed. "NGN" should be updated to "Next Generation Networks (NGN)" It was agreed that the PCG, SA WG1, SA WG3, CN WG1, CN WG3 and CN WG4 should be copied this. The 3rd paragraph was modified to remove the second sentence and to add that 3GPP are willing to organise a Workshop and updated in TD SP-040218 which was approved.

TD SP-040055 CEPT/ECC consultation on use of short codes. This was sent by ETSI MSG and was introduced by the TSG RAN Chairman. Recently CEPT ECC WG on Numbering Naming and Addressing has issued a questionnaire on the need for national co-ordination for the allocation of short codes for SMS, MMS and USSD. To ensure a full consideration by all involved parties in Europe it is felt useful that such a document be considered by the relevant working groups in TSG SA and TSG T i.e. SA WG1 and T WG2 respectively. After some discussion **it was agreed to forward this to SA WG1 and T WG2.** Members were asked to consider this issue and make contribution to the relevant groups.

6.3 Others

TD SP-040010 LS to 3GPP and 3GPP2 on MMS decisions from OMA TP. This was noted.

TD SP-040013 Reply LS (from ITU-T SG16) to SG 11 on Signalling Requirements for IP-QoS. This was related to TD SP-040009 and TD SP-040024 and was briefly introduced by the TSG SA Chairman and noted. Delegates were asked to consider the issues and contribute to relevant WGs (e.g. SA WG2).

TD SP-040015 Liaison (from OMA DL+DRM) to 3GPP SA4 and SA3 on DRM for PSS and MBMS streams. It was noted that OMA would like specifications that they are referencing to be stabilised as soon as possible. SA WG4 had dealt with this at their previous meeting and provided the most recent draft to OMA. It was clarified that the relevant specifications in SA WG4 were progressing and expected to be provided at the next TSG SA meeting. It was further noted that there is communication between the WGs and OMA on this subject. and the LS was noted.

TD SP-040016 Reply LS (from OMA POC WG) to 3GPP on principles for overlapping issues with OMA regarding PoC. This was related to the reply LS in TD SP-040025 which was introduced by RIM. It was noted that the timescales for CN WGs work could only be determined if the actual impacts of the issues were clearly defined. The LS was then noted.

TD SP-040171 LS (from GSMA/IREG) on 3gppnetwork.org domain name management. This was introduced by the TSG CN Chairman. It was noted that this had been handled by TSG CN and was noted. The TSG CN Chairman agreed to inform the 3GPP PCG of this.

TD SP-040172 LS (from GSMA/IREG) on 2G/3G subscriber distinction and roaming restriction. This was introduced by Orange. GSMA/IREG asked TSG SA the following:

- *To ensure that the new "Administrative restriction feature" will be mandatory for vendors;*
- *The specifications should be made in the way that Operators who do not want to make 2G/3G distinction do not have to change their actual implementation, i.e the implementation of the distinction feature should be backwards compatible to the current situation with no distinction;*
- *To confirm that that the possibility "for a VPLMN to specify different roaming authorizations for his 2G and 3G coverage, even in case of combined 2G/3G network elements" requirement will also be taken into account in 3GPP specifications.*

The TSG CN Chairman reported that assuming this is about rejection using cause value 15, then there should be no problems with this from the CN viewpoint. The TSG RAN Chairman requested that RAN WGs be given time to study the impacts of this on the RAN and the GERAN. The assumptions of TSG CN that no new cause values need to be added and that their solution using location routeing fulfils the GSMA requirements were taken as a working assumption and investigation into the correctness of this should be done. A response LS asking for clarification to the GSMA/IREG was provided in TD SP-040219 which was reviewed and approved.

TD SP-040177 LS (from GSMA/IREG) on IPv4/v6 IMS roaming and interworking. This was introduced by Orange and IREG asked SA WG2 to standardize in priority a solution to ensure that IPv6 IMS will inter-work with IPv4 IMS, transparently for the end user. It was commented that the definition of the IPv4 terminal and the use case scenarios should be defined in order to determine whether this type of interworking is really needed in the specifications. It was commented that there will be early IMS implementations which use IPv4 as a basis. It was recognised that also a smooth migration path for mobiles to support IPv4 will be necessary. After a long debate it was agreed that the issues should be identified and the necessary specifications developed as soon as possible. It was considered necessary that the necessary CRs are presented to the next TSG SA meeting for approval.

Based on the discussions on IPv4 in previous meetings and the LS it was clear to TSG SA that there is a need for IPv4 support in IMS as there will be a need for a smooth migration path from those implementations to IPv6 based IMS. SA WG2 were asked to continue their study on IPv4/IPv4 and IPv4/IPv6 interworking scenarios. SA WG2 need to urgently specify the minimum requirements for the MSs which support IPv4 IMS in order to minimise the number of different implementations to support in the future. SA WG2 should clarify what are the minimum requirements for an IMS IPv4 supporting mobile to provide compatibility with an IMS IPv6 implementation, based on the existing assumption made by SA WG2 (in the TR). Based on this work the necessary specifications need to be developed to support IPv4 IMS with a migration path to IPv6. TSG SA assumed for the moment that this would be part of Release 6 and would revisit this based on progress and technical issues which may arise. TSG SA asked SA WG2 to inform TSG SA about the progress at forthcoming TSG SA meetings.

TD SP-040187 LS (from GSMA) to 3GPP SA2 on Operator Requirements for WLAN Stage 2 Scenario 3. This was introduced by T-Mobile and provided the GSMA document "Operator Requirements for WLAN Scenario 3" for review by TSG SA and SA WG2 and requested any comments. It was considered that the requirements were in line with SA WG1 and SA WG2 requirements and the prioritisation would need to be checked in SA WG1 and SA WG2. The LS was then noted.

TD SP-040017 Reply (from RAN WG2) to: LS on Use of UTRAN for I-WLAN. This was introduced by the RAN WG2 Chairman and asked SA WG1 for responses on some outstanding issues on I-WLAN. The SA WG1 Chairman pointed out that the scope of this was larger than the scope of SA WG1 and advise was requested also from TSG SA. It was considered that the issue should be carefully studied in order to study the scenarios and ensure that the I-WLAN impacts are fully understood and that suitable specification work can be done. It was not considered necessary to set up a workshop top clarify this and SA WG1 were asked to clearly define the problem which needs to be solved and to send this to relevant WGs. **SA WG1 were asked to initiate an e-mail discussion in order to clarify the requirements as soon as possible. The SA WG1 Chairman was asked to monitor whether agreement can or cannot be reached in a reasonable time and to report any problems with this so that appropriate further action can be taken.**

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-040081 Presentation of SA1 to SA #23. The status report of activities in SA WG1 was introduced by the SA WG1 Chairman, Mr. M. Zarri.

TD SP-040082 Status report of SA1 to SA #23. The detailed status report was provided for additional information and was noted.

Questions and comments:

Slide 23: It was clarified that the European Commission on projects SAILOR and FUTURE are an independent Satellite UMTS system which may have an interaction with terrestrial UMTS.

Slide 23: The relationship between the SA WG1 and TSG SA OMA Liaison officer was questioned. The SA WG1 Chairman explained that this Liaison Officer maintained an SA WG1-specific OMA dependencies table which could be input to the main OMA dependencies tables. The TSG SA OMA Liaison Officer (I. Sharp) welcomed this initiative and asked other WGs to send information in order to maintain the overall 3GPP tables.

Slide 24: It was commented that the Private Addressing Schemes for MMS item should not be closed as reported as there were still outstanding issues on this. The SA WG1 Chairman concurred with this view.

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

7.1.2 Questions for advice from TSG-SA WG1

SP-040004 Reply (from SA WG1)Reply to LS to 3GPP SA Concerning the Handling of Emergency Calls on 3G Networks. This was introduced by the SA WG1 Secretary and was provided for information. The LS was noted.

SP-040005 Response (from SA WG1) to LS on EC Requirements on Emergency Telecommunications. This was introduced by the SA WG1 Secretary and was provided for information. The LS was noted.

SP-040006 LS (from SA WG1) on Video Telephony New Requirements. This was introduced by the SA WG1 Secretary and was provided for information. The LS was noted.

SP-040007 LS (from SA WG1) on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA. This was introduced by the SA WG1 Secretary and was provided for information. The LS was noted.

7.1.3 Approval of contributions from TSG-SA WG1

CRs:

SP-040083 CRs to 22.101 on Correction of emergency call set-up MMI requirements (R99, Rel-4, Rel-5). It was explained that the emergency call functionality was considered an essential change for Release 1999, onwards as misunderstanding could lead to regulatory problems. **It was therefore agreed that these CRs to frozen Releases should be accepted as an exceptional justified case.** These CRs were then approved.

SP-040084 CRs to 22.101 on Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure (R99, Rel-4, Rel-5, Rel-6). The real need for such clarifications in frozen Releases was questioned. It was also commented that misunderstanding in any release that could cause mis-implementations should always be considered as essential. It was clarified that these CRs were correcting a misalignment between the Stage 1 and Stage 3. **It was agreed that these CRs to frozen Releases should be accepted as an exceptional justified case.** These CRs were then approved.

SP-040085 CRs to 22.071 on Routing of Emergency Calls based on Geographic Coordinates (R99, Rel-4, Rel-5). It was clarified that these CRs were a result of a request made at TSG SA# 22. The TSG CN Chairmen reported that corresponding Stage 3 CRs were expected for approval at TSG CN #24. These CRs were then approved.

SP-040086 CRs to 22.078 on MoveLeg precondition alignment (Rel-5, Rel-6). These CRs were approved.

SP-040087 CR to 21.905 on Acronyms for the Flexible Layer One (Rel-6). This CR was approved.

SP-040088 CR to 22.011 with Various CRs on network selection (Rel-6). It was questioned whether there was really a requirement for the background scan not to switch between different RATs. The TSG CN Chairman reported that a document pertaining to this was available in TD SP-040183 and this may need to be studied by SA WG1. This CR was approved with the understanding that SA WG1 may need to further enhance the text when they have studied the issues given in TD SP-040183.

SP-040090 CR to 22.071 on Inclusion of U-TDOA positioning method (rel-6). This CR was approved.

SP-040091 CR to 22.101 on Improvements to CS Video and Voice Service procedures (Rel-6). **3** objected to the part c) of the reason for change to this CR (service change) and had objected to this CR at SA WG1. The SA WG1 Chairman reported that the CR had, however, been approved at SA WG1 and **3** were requested to provide contribution on their concerns over the service change requirements to SA WG1. This CR was approved and **3** were asked to contribute their concerns over service change to SA WG1.

SP-040092 CR to 22.127 on High Availability requirement for OSA (Rel-6). A proposal to revise the cover page was provided by Ericsson in SP-040199 which was reviewed with the introductory document in TD SP-040174.

> TD SP-040174 OSA High Availability. This was introduced by Lucent Technologies on behalf of Alcatel and Lucent Technologies and discussed the reasons for the request to change the cover sheet of the CR as provided in TD SP-040199. This was noted.
>
> TD SP-040199 Proposed revised CR to 22.127 on High Availability requirement for OSA (Rel-6). This CR was approved.

SP-040093 CRs to 22.140 for MMS (Rel-6). O2 objected to CR041 because it should clarify that MMS client is a UICC application. CR041 was revised to include this clarification and provided in TD SP-040203 which was reviewed and approved. The definition of the private addressing schemes in MMS proposed in CR043 was considered to be in need of further development. CR043 was therefore sent back to SA WG1 for elaboration of the definition. It was clarified that work on the issue itself should not be delayed by this decision and all WGs were asked to continue their work CR042 was approved.

SP-040094 CR to 22.146 on User requirements for notification of multicast sessions (Rel-6). This CR was approved.

SP-040095 CR to 22.240 on GUP UE Requirements (Rel-6). This CR was approved.

SP-040096 CRs to 22.246 on MBMS (Rel-6). There was an objection to adding new requirements and the clarity of those requirements provided in these CRs. An off-line discussion was held to clarify and improve the requirements of these CRs and the revised CRs were provided in TD SP-040204. CR001 and CR004 were revised and reviewed and approved. All CRs in TD SP-040204 were then approved.

SP-040097 CR to 22.030 on MMI Service Code for video and telephony (Rel-7). This CR was approved.

SP-040098 CR to 22.078 on CSE change basic service (Rel-7). This CR was approved.

SP-040101 CRs to various specification to remove WLAN requirements. These CRs were provided as a consequence of the production of TS 22.234 containing all the WLAN Interworking requirements (see TD SP-040100). These CRs were approved.

SP-040089 CRs to 22.011 on System selection and Priority usage of UICC parameters for I-WLAN. The SA WG1 Chairman reported that CR055 is withdrawn. CR056 was approved. It was noted that if this change

should be placed in a different TS then 2 CRs would be provided to TSG SA to do this (one CR to add the change to the new TS and one to remove it from TS 22.011).

TSs and TRs:

SP-040099 TR 22.949 on Study on a Generalised Privacy Capability (Rel-6). This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040100 TS 22.234 on Requirements for WLAN interworking (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

WIDs:

SP-040102 Update of GUP WID. This updated WI description was approved.

SP-040103 Update of Multimedia Priority Service WID. This updated WI description was approved.

SP-040104 WID on USSD message delivery and transfer to USIM. This WI description was approved.

7.2 TSG-SA WG2

7.2.1 Report from TSG-SA WG2 and review of progress

SP-040030 Report of SA2 status. The status report of activities in SA WG2 was introduced by the SA WG2 Chairman, Mr. M. Olsson.

Questions and comments:

Slide 22 BARS: It was clarified that was no conclusion in SA WG2 whether further work needs to be done and this will be discussed at the next SA WG2 meetings.

Slide 22 TS 23.125: It was clarified that SA WG2 were intending to abandon TR 22.825 if TS 22.125 is approved.

Slide 25 FS on applicability of GALILEO for LCS: It was commented that this issue needs to be finalised soon for any decision on it's use to be effectively implemented. This was still under discussion in SA WG2 and TSG RAN groups.

Slide 25 PS domain and IMS impacts: The SA WG2 Chairman clarified that the work will not make Rel-6 unless companies prioritise the work on this and little progress has been made in recent meetings.

Slide 26: OMA AD. The SA WG2 Chairman clarified that the work in SA WG2 which dependent upon the OMA AD was expected to be completed within 2 SA WG2 meetings.

Slide 31 Access Class Barring WI: The SA WG2 Chairman reported that the completion date is set for June 2004, but this is considered a little optimistic and September 2004 was considered more realistic. The inclusion of this WI in Rel-6 will depend on the freezing of Rel-6 and the impacts on the work of other WGs.

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

7.2.2 Questions for advice from TSG-SA WG2

SP-040024 Reply LS (from SA WG2) on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors. This was considered with the LS in TD SP-040009. It was noted that LSs to the ITU-T should go via the PCG. The LS was therefore noted.

SP-040023 Response (from SA WG2) to LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA”. This was considered with the LS in TD SP-040025 and TD SP-040016.

SP-040025 LS Reply (from SA WG2) to OMA LS to 3GPP on principles for overlapping issues with OMA regarding PoC. This was handled with TD SP-040023 and TD SP-040016.

SP-040026 Reply LS (from SA WG2) on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks. This was introduced by the SA WG2 Chairman and asked TSG SA to take the discussed points into account when generating a consolidated reply to the LS received from ITU-T. The TSG CN Chairman reported that a contribution on TSG CN endorsed position in TD SP-040020.

TD SP-040020 LS (from CN WG1) on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks LS (from CN WG1) on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks. This was introduced by the TSG CN Chairman and contained the TSG CN endorsed position from CN WG1.

It was agreed to amalgamate the contributions from SA WG2 and TSG CN into a co-ordinated response to ITU-T which was provided in TD SP-040209 which was approved. It was noted that ITU-T ad-hoc group providing it to the ITU-T would need to add the 3GPP endorsement and remove the "DRAFT" from the title.

TD SP-040185, TD SP-040146 and TD SP-040149 were presented in turn and discussed together:

> SP-040185 Use cases for NRPCA. This was introduced by T-Mobile on behalf of Orange and T-Mobile and suggested that good motivations exist to justify the standardisation of NRPCA in Rel-6 in light of the use cases mentioned in the contribution.
>
> SP-040146 Considerations for future standardisation of new mechanisms within 3GPP. This was introduced by NTT DoCoMo Inc. and provided a high level discussion of the factors that TSG SA should take into consideration when standardising new mechanisms within the 3GPP system. Based on this discussion conclusions and recommendations were provided for the consideration of TSG SA.
>
> SP-040149 NRPCA Conclusion for 23.976. This was introduced by RIM and proposed the inclusion of NRPCA into the Rel-6 specifications.

Nortel Networks, Siemens, Vodafone, Nokia, Ericsson, **3**, NTT DoCoMo, TIM and TeliaSonera did not support NRPCA standardisation at this time as they stated that this can be done with existing mechanisms (e.g. Push SMS) and would add unnecessary complexity. Due to the objections to supporting NRPCA received at the meeting it was agreed to continue with the Push service without using the NRPCA proposal. It was also agreed that some text would need to be inserted into the Push TR. **T-mobile raised the concern that NRPCA should not completely dismissed as it represents a useful tool for operators who want to roll out always-on gradually.**

7.2.3 Approval of contributions from TSG-SA WG2

CRs:

SP-040031 CRs On 23.002 (Network Architecture). These CRs were approved.

SP-040032 CRs On 23.060 (GPRS/PS domain stage 2). These CRs were approved.

SP-040033 CRs On 23.107 (QoS). These CRs were approved.

SP-040034 CRs On 23.195 (Early UE handling). These CRs were approved.

SP-040035 CRs On 23.207 (End to end QoS). These CRs were approved.

SP-040036 CRs On 23.221 (Architecture Requirements). These CRs were approved.

SP-040037 CRs On 23.228 (IMS Stage 2). These CRs were approved.

SP-040038 CRs On 23.240 (GUP stage 2). These CRs were approved.

SP-040039 CRs On 23.246 (MBMS stage 2). These CRs were approved.

SP-040040 CRs On 03.71, 23.171 and 23.271 (LCS stage 2). For 23.271 CR252 Lucent Technologies commented that the issues raised in the reason for Change, bullets 1, 2 and 3 should be further developed in SA WG2 in order to try to adopt a simple solution. For 0371CR045 it was clarified that the corresponding Rel-6 CR had been approved by TSG SA and it had been agreed to include this in previous Releases. All

CRs except CR252 were approved. The combined part from 23.271 CR186R7 was re-submitted to TSG SA in TD SP-040207 and was approved. The other part of 23.271 CR252 was returned to SA WG2 for further clarification. RAN WG2 should be consulted on the radio aspects of the finally agreed proposal.

SP-040054 CRs On 23.141 (Presence). These CRs were approved.

TSs and TRs:

SP-040048 TR 23.881 on “Interworking aspects and migration scenarios for IPv4 based IMS Implementations”, Version 1.0.0. This TR was provided for information and was noted. WGs were asked to study the TR and provide feedback to SA WG2. SA WG2 should take TSG SA #23 decision related to TD SP-040177 as guidance for the remainder of the work.

SP-040046 TR 23.976 on "Push Architecture", Version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040047 TR 23.877 on "Speech Enabled Services", Version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040049 TS 23.234 on "3GPP WLAN interworking", Version 2.5.0. There were some concerns over the temporary informative Annex E, which may be removed when Stage 3 work is stable. T-Mobile and TIM stated that they were intending to promote Annex F from **Informative** to **Normative** in order to give the Operators the flexibility to use the Tunnel-Switching alternative and will contribute on this in SA WG2. Annex D did not specify whether it is Informative or Normative. SA WG2 were asked to clarify this at their next meeting. T WG2 had not yet analysed this TS and were invited to study the SMS part to check compatibility with the SMS architecture and SMS delivery and to provide comments to SA WG2. This TS was then approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040050 TS 23.125 on “Overall High Level Functionality and Architecture Impacts of Flow Based Charging”, Version 2.0.0. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). Due to this it was agreed that the work on TR 23.825 will not be continued and the TR abandoned.

SP-040051 TR 23.851, “Network sharing; Architecture and Functional Description”, Version 2.0.0. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

It was clarified that the GSM Logo is included on the front page of TSs and TRs which are applicable to both the GERAN and the UTRAN.

WIDs:

SP-040041 Updated WID for Flow Based Charging. This updated WI description was reviewed and approved.

SP-040043 Revised WID on Circuit Switched Video and Voice Service. It was commented that the change of ownership from SA WG1 to SA WG2 had not been discussed in SA WG1. It was clarified that this WID was originally agreed with the expectation to start with SA WG1 ownership and to move it to SA WG2 ownership when SA WG1 have progressed the work. The SA WG1 Chairman concurred with this and assumed that the requirements work would still be done in SA WG1. **3** objected that the change of ownership also included enhancements to the details of the WID. It was clarified that the changes proposed reflected the changes in the CR agreed in SA WG1 specifications (it was noted that **3** had also objected to this CR). This updated WI description was approved.

SP-040045 Updated WID on “Network sharing stage 2”. This updated WI description was reviewed and approved.

SP-040042 WID on 3GPP Access Class Barring and Overload Protection. It was noted that Vodafone and NTT DoCoMo have agreed to provide joint Rapporteurs for this WI. It was commented that the completion date for June 2004 was unrealistic. It was agreed to update the completion dates to TSG SA #25 and other TSG dates moved to TSG RAN #26 and TSG GERAN #21. It was commented that when asking SA WG2 to undertake this work SA WG1 had recognised the possible applicability of this functionality to emergency situations, hence it was desirable that the work described within this WID not be unnecessarily delayed. The updated WID was provided in TD SP-040208 which was approved.

SP-040044 WID on Combining CS bearers with IMS. **3** expressed their objection to this WI, which they believe is a step backwards for CS bearer services. It was commented that the intention of this was to identify alternative mechanisms and compare them to make a decision on the best way forward. The SA WG2 Chairman stated that this will be studied in SA WG2 and if interesting options are found which have any impact on the service environment, then SA WG1 will be involved in the discussions. It was noted that this is a feasibility study and this should be completed in order that decisions on the applicability of re-use of IMS can then be determined. 3 also requested the title to be changed and clarified to show that the main focus of the work is the GSM RAT. This WI description was approved and **TSG SA acknowledged that the main focus of the work is the GSM RAN**.

7.3 TSG-SA WG3

7.3.1 Report from TSG-SA WG3 and review of progress

SP-040151 Report from SA WG3 Chairman to TSG SA#23. The status report of activities in SA WG3 was introduced by the SA WG3 Chairman, Mr. V. Niemi. He also reported that no workshop on MMS security was held as a consequence of a study made by GSMA earlier and mentioned in the SA WG3 report to TSG SA #22. The SA WG3 Chairman proposed that further work on the area should follow the general work division between OMA and 3GPP agreed for MMS. Therefore, SA WG3 would continue work on MMS security only if security issues specific to the 3GPP cellular system are identified.

SP-040152 Draft Report of SA WG3 meeting #32. This was provided for information and was noted.

Questions and comments:

Slide 21: Secure HTTP access to network application functions. It was clarified that it was intended to have a workshop with the OMA Security Group in order to discuss the work being done in 3GPP and OMA security groups and it is still hoped to find a suitable time and venue for this.

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

7.3.2 Questions for advice from TSG-SA WG3

SP-040027 LS from SA WG3: MMS WID MM4 Private addressing. This was introduced by the TSG SA Chairman and was provided to TSG SA for information and informed TSG SA that no issues had been determined with this WI by SA WG3. The LS was noted.

SP-040028 LS from SA WG3: reply to LS S1-040253 (=S3-040018) on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA”. This was introduced by the SA WG3 Chairman and responded to questions from SA WG1. SA WG3 requested the addressed group to keep SA WG3 informed of any further discussions and agreements on the work split between 3GPP and OMA. The LS was noted.

7.3.3 Approval of contributions from TSG-SA WG3

CRs:

SP-040153 CR to 33.203 and 33.210: Addition of AES transform (Rel-6). These CRs were approved.

SP-040154 CR to 33.203: Deploying TLS (sips:) for interoperation between IMS and non-IMS network (Rel-6). This CR was approved.

SP-040155 CR to 33.108: Corrections to Tables 6.2, 6.7 (Rel-6). This CR was approved.

SP-040156 CR to 33.108: Corrections to Correlation Number (Rel-6). This CR was approved.

SP-040157 CR to 33.108: Correction to Identifiers (Rel-6). This CR was approved.

SP-040158 2 CRs to 33.108: Correction on the description of "initiator" in "PDP Context Modification CONTINUE Record" (Rel-5 and Rel-6). These CRs were approved.

SP-040159 CR to 33.108: Editorial Corrections (Rel-6). This CR was approved.

SP-040160 2 CRs to 33.108: Implications of Rel-5 onwards QoS parameters on ASN.1 module in 33.108. (Rel-5, Rel-6). These CRs were approved.

SP-040161 2 CRs to 33.108: Syntax error in Annex B.4 (Rel-5, Rel-6). These CRs were approved.

SP-040162 CR to 33.108: Clarification on the use of IRI-END record in PS interception (Rel-6). This CR was approved.

TSs and TRs:

SP-040175 Draft TS 33.220 v 2.0.0 and presentation cover sheet (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040165 Draft TS 33.221 v 2.0.0 and presentation cover sheet (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040167 Draft TS 33.234 v 2.0.0 and presentation cover sheet (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040168 Draft TS 33.310 v 2.0.0 and presentation cover sheet (Rel-6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040169 Draft TR 33.817 v 2.0.0 and presentation cover sheet (Rel-6). This internal 3GPP TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

SP-040163 Draft TS 33.141 v 1.1.1 and presentation cover sheet (Rel-6). This TS was provided for information for a second time as there were still some open issues to be solved in SA WG3. The draft TS was noted. WGs were asked to consider the document and provide any comments to SA WG3.

SP-040166 Draft TS 33.222 v 1.0.0 and presentation cover sheet (Rel-6). This TS was provided for information and was noted. WGs were asked to consider the document and provide any comments to SA WG3.

SP-040170 Draft TS 55.226 v 1.0.0 and presentation cover sheet (Rel-6). This TS was provided for information and was noted. WGs were asked to consider the document and provide any comments to SA WG3. It was noted that the key length of 128 bits had been agreed by SA WG3 earlier and reported to several previous TSG SA meetings. The affected groups who need to do some work to support the longer keys in future releases will be informed by SA WG3. **It was also noted that SA WG3 were investigating the support for the longer keys in different protocols and would report the suitability of the specification for Rel-6 at the next TSG SA meeting.**

7.4 TSG-SA WG4

7.4.1 Report from TSG-SA WG4 and review of progress

SP-040061 SA WG4 Status Report at TSG SA#23. The status report of activities in SA WG4 was introduced by the SA WG4 Chairman, Mr. K Järvinen.

Questions and comments:

Slide 23 status of the Codec selection: It was clarified that on Slide 24 it notes that the status had changed and SA WG4 would go for two Codecs which may have an impact on the formats. There was some objection from some companies against not to provide the C-Code for Recommended Codecs as is done for Default Codecs.

Slide 9 Languages for testing. It was questioned whether different results would be obtained using different languages than those chosen. The SA WG4 Chairman replied that it had been found that French and Arabic provided good test parameters and other languages should not effect the results significantly.

Slide 23: It was asked how terminal and server compatibility can be guaranteed if two optional Codecs are allowed. It was clarified that for worldwide compatibility with all servers the terminal would need to support both Codecs, but scenarios where only support of a single Codec would be enough (e.g. home network services). There was a request that SA WG4 specify a single Codec. It was clarified that the selection process was set up to test high and low bit-rates and the possibility for two Codecs had always been allowed. After some discussion it was decided that SA WG4 should continue with their work on the basis that both optional Codecs should be allowed, and the specifications should clearly identify the performance characteristics of each Codec as determined during the recent selection procedure. It was also agreed that SA WG4 should develop the specifications using versions of the Codecs used during the selection process.

Slide 13: The SA WG4 Chairman clarified that there had been a strong reservation from one company on the Working Assumption to adopt the AVC Codec and a request for further testing was made. SA WG4 hope to solve the concerns of some companies at their next meeting.

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

7.4.2 Questions for advice from TSG-SA WG4

SP-040062 LS from SA WG4: Signalling of Codecs (reply to TSG SA #23). This was introduced by the SA WG4 Chairman and clarified the extensibility, signalling and usage of Codecs defined in SA WG4 multimedia service specifications (TS 26.234 for PSS, TS 26.140 for MMS, TS 26.235 for IMS conversational applications and TS 26.110 for CS multimedia). It was noted that this was an SA WG4 input to TSG SA for information, rather than an official incoming Liaison Statement. The response to the request for information from TSG SA was noted.

SP-040173 Future work on speech recognition improvements. This was introduced by Vodafone and proposed that in line with existing agreements, 3GPP work should be commercially focussed and asked TSG SA to task SA WG4 with the role of evaluating the costs and benefits of mechanisms for improving speech recognition in the CS domain. Vodafone also suggested that information to use within this study should include (but not be limited to) the results of the DSR vs AMR speech recognition Codec competition, and TR 23.877. It was agreed that this work could be useful and Vodafone were asked to provide a WID to SA WG4 to start this work as the current SA WG4 WI covers only the PS domain. It was noted that a new Stage 1 WI would also be needed in SA WG1. It was commented that more audio Codecs should be considered in the Codec selection (e.g. the EFR Codec) and that for the CS speech recognition work the AMR 12.2 mode is more important than 4.75 because AMR 12.2 is compliant with EFR and 4.75 is not normally used in speech services. Hence, it was commented that in the CS SES work the AMR 12.2 Codec should have a high weight.

7.4.3 Approval of contributions from TSG-SA WG4

CRs:

SP-040197 CR 26.073 019 Correction of AMR DTX functionality (Release 5). This CR was approved.

SP-040198 CR 26.104 031-032 "Correction of floating point AMR DTX functionality" (Release 5 and Release 6). This CR was approved.

SP-040080 CR 26.937 001 rev 2 on Rate Adaptation simulation results for PSS (Rel-6). This CR was approved.

TSs and TRs:

SP-040063 TR 26.935 "Packet switched conversational multimedia applications; Default Codecs; Performance characterization" V1.0.0 (Release 6). It was noted that some companies had made comments on the conclusions. The SA WG4 Chairman stated that the conclusions will be re-drafted before presenting the TR for approval. This TR was provided for information and was noted. WGs were asked to consider the document and provide any comments to SA WG4.

SP-040064 TS 26.243 "Software documentation for fixed-point DSR Extended Advanced Front-end" V. 1.0.0 (Release 6). This TS was provided for information and was noted. WGs were asked to consider the document and provide any comments to SA WG4.

SP-040065 3GPP TS 26.244 Transparent end-to-end packet switched streaming service (PSS);"3GPP file format (3GP)" Version 2.0.0 (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

WIDs:

SP-040066 Work Item Description on Codec Enhancements for Packet Switched Conversational Multimedia Applications (Release 6). This WI description was approved.

SP-040067 Work Item Description on 3G-324M updates in Release 6. This WI description was approved.

Codec Selection Test and Results Reports:

SP-040073 Audio Codec selection: Report from SA4 to SA#23 on PSS/MMS audio Codec selection. This was introduced by the SA WG4 Chairman and was noted.

SP-040074 Audio Codec selection: Proposed text on audio media type into TS 26.234 Rel-6. This was introduced by the SA WG4 Chairman and was noted.

SP-040068 3G PS conversation tests Phase 2 : Report from FT R&D for Host Lab and Subjective Testing Lab functions. This report was approved and payment of the testing laboratories can be done.

SP-040069 3G PS conversation tests Phase 2 : Report from Dynastat on Global Analysis of Phase 1 & Phase 2 Conversation Test results. This report was approved and payment of the testing laboratories can be done.

SP-040070 Audio Codec selection tests: Reports from Subjective Testing Labs. This report was approved and payment of the testing laboratories can be done.

SP-040071 Audio Codec selection tests: Reports from "Host" and "Selection of items" Laboratories. This report was approved and payment of the testing laboratories can be done.

SP-040072 Audio Codec selection tests: Reports from "Global Analysis" Laboratory. This report was approved and payment of the testing laboratories can be done.

SP-040075 SES Codec selection: Report from TSG SA WG4 to SA#23 Plenary on SES Codec selection. This was introduced by the SA WG4 Chairman and was noted.

SP-040076 SES Codec selection: Proposed CRs from TSG SA4 to introduce SES to Release 6 specifications. This was introduced by the SA WG4 Chairman and was noted.

SP-040077 SES Codec selection: SES verification plan v 1.0. This was introduced by the SA WG4 Chairman and was noted.

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

SP-040105 Status report of SA5 to SA #23. The status report of activities in SA WG5 was introduced by the SA WG5 Chairman, Mr. M Truss.

Questions and comments:

Slide 17: It was clarified that discussions were ongoing in SA WG5 on IP Flow-based charging issues, but no conclusion had yet been reached.

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

7.5.2 Questions for advice from TSG-SA WG5

SP-040106 LS from SA WG5 to SA WG1 and TSG SA on Addition of Subscription Management (SuM) Definition and Abbreviation in 21.905. This was introduced by SA WG5 Chairman and was noted. A Related CR was provided in TD SP-040107.

7.5.3 Approval of contributions from TSG-SA WG5

CRs:

SP-040107 Rel-6 CR 21.905 (Add SuM Definition and Abbreviation). This CR was approved.

SP-040108 2 Rel-6 CR 32.140/1 Subscription Management TS-family (32.14x and 32.17x) title alignment ('SM' becomes 'SuM' and delete 'Services operations management'). It was noted that the reference title was changed which was not included in the cover sheet of the CR. These CRs were approved.

SP-040110 Rel-6 CR 32.140 Update the use cases in Subscription Management. This CR was approved.

SP-040111 2 Rel-4/5 CR 32.102 Correction of reference to invalid TS. These CRs were approved.

SP-040112 Rel-6 CR 32.102 Deletion of clauses in 32.102 that have been moved to 32.150/1/2. This CR was approved.

TD SP-040116 Rel-6 CR 32.421 Correction in Trace high level architecture. This CR was approved.

TD SP-040118 Rel-6 CR 32.302-510 Update Notification IRP IS for new methodology. This CR was approved.

TD SP-040119 6 Rel-4/5 CR 32.602/612, Rel-5/6 32.662 System Context correction. These CRs were approved.

TD SP-040120 2 Rel-6 CR 32.111-2/4 Abort GetAlarmList. These CRs were approved.

TD SP-040121 Rel-6 CR 32.362 EP IRP IS correction. This CR was approved.

TD SP-040128 4 Rel-5/6 CR 32.622/623 Addition of missing attributes for the managementScope association. These CRs were approved.

TD SP-040129 3 Rel-6 CR 32.641/2/3 Add enhancement for support of both FDD and TDD modes. These CRs were approved.

TD SP-040130 2 Rel-5 CR 32.624/634 Alignment with the ISs 32.622/632. These CRs were approved.

TD SP-040131 6 Rel-5 CR 32.615/25/35/45/55 & Rel-6 32.625 Addition of the capability to contain instances of VsDataContainer to some MOs - Alignment with the ISs 32.6x2. These CRs were approved.

TD SP-040132 Rel-5 CR 32.644 Correction of OIDs for MOCs, packages, and attributes affected by the change of ura to uraList. This CR was approved. Some specifications which are not available in electronic format were removed from the list. **The MCC Database manager was asked to note these unavailable specifications and take appropriate action.**

TD SP-040133 R99 CR 32.104 Correction of XML Measurement Report File format example. This CR was approved.

TD SP-040134 3 Rel-4/5/6 CR 32.403 Radio link additions. These CRs were approved.

TD SP-040135 Rel-6 CR 32.403 Iu connection release. This CR was approved.

TD SP-040137 Rel-4 CR 32.215 Correction on SGSN PLMN identifier in G-CDR. This CR was approved.

TD SP-040138 Rel-5 CR 32.200 Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815. This CR was approved.

TD SP-040139 2 Rel-4/5 CR 32.205 Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005. These CRs were approved.

TD SP-040143 3 Rel-5 CR 32.225 IMS Charging. These CRs were approved.

TSs and TRs:

TD SP-040109 New Rel-6 TR 32.803-100 "Telecommunication management; Process Guide; Use Cases in Unified Modelling Language (UML)". This TR was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040113 New Rel-6 TS 32.150-200: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040114 New Rel-6 TS 32.151-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040115 New Rel-6 TS 32.152-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040117 New Rel-6 TS 32.422-100: "Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040122 New Rel-6 TS 32.331-200 "Telecommunication management; Notification log Integration Reference Point (IRP): Requirements". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040123 New Rel-6 TS 32.332-100 "Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040124 New Rel-6 TS 32.341-200 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040125 New Rel-6 TS 32.351-200 "Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040126 New Rel-6 TS 32.371-100 "Telecommunication management; Security Management Concept and Requirements". The SA WG3 Chairman reported that this had been reviewed by SA WG3 and no problems had been identified with this TS. This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040127 New Rel-6 TS 32.343-100 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040136 New Rel-6 TS 32.413-200 "Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040140 New Rel-6 TS 32.250-200: "Telecommunication management; Charging management; Circuit Switched (CS) domain charging". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040141 New Rel-6 TS 32.296-100: "Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040142 New Rel-6 TS 32.297-200: "Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer". This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-040144 New Rel-6 TS 32.260-100: "Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

TD SP-040145 New Rel-6 TS 32.299-100: "Telecommunication management; Charging management; Diameter charging application". This TS was provided for information and was noted. Delegates were invited to study the TR and provide comments to SA WG5.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item. The 3GPP Work Programme was dealt with under agenda item 8.7.

7.7 Letters to other groups

There were no specific contributions under this agenda item. Outgoing Liaisons from TSG SA are listed under agenda item 8.5.

7.8 Other issues

There were no specific contributions under this agenda item.

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

8.1 Report from TSG CN

8.1.1 Report and questions for discussion from TSG CN

TD SP-040179 Draft Meeting Report from CN#23. This was provided by the TSG CN Secretary for information and was noted.

TD SP-040178 CN Chair report to SA#23. The Status report from TSG CN was presented by the TSG CN Chairman.

Release 5 Status Overview: Various IMS Cleanup, CAMEL4 Cleanup, Release 1999-Rel-5 CRs not yet completed for routeing of emergency calls based on geographic location.

TrFO handling of Codecs for inter-MSC handover (SRNS relocation) clarified (issue closure).

Release 6 (New or Revised Items):

New: Network Sharing Stage 3 (NP-040036):
- Target is June 2004
- Currently only CN1 work identified

New: Trace Management Stage 3 (NP-040146):
- CN4 work targeted to complete June 2004
- CN1 work (IMS) completed earliest Dec 2004 (IETF Dependency)

Revised: IMS Phase 2 (NP-040034)
- Added UE solution for interworking with non-IMS SIP clients (incl. IPv4 SIP clients)
- Completion slipped to Sept 04

OSA Stage 3 (NP-040144)

- Documents current contents of OSA work for Rel 6 (Agreed with SA1)
- GUP input still required from SA1

Release 6 (Miscellaneous):

Completed: Interoperability and commonality between IMS using different IP connectivity networks (IMSCOOP).

Completed: CAMEL4 prepay support for SCUDIF.

No CN work anticipated for SES and AMR WB+.

CN position on overlap of IMS messaging, group management, presence in TD SP-040019.

High Availability discussions continuing in CN5.

Extensive use of Diameter.

Questions and Comments:

Slide 6: Bundling of allocated codes for Diameter. The TSG CN Chairman clarified that SA WG5 has also applied for a Diameter application ID. It is envisaged to use a Proxy function for code requests and therefore any requests for Diameter codes should be passed through CN WG4.

The TSG CN Chairman clarified that the Diameter work in the IETF is expected for April 2004 and the IETF management have been requested to give priority to this work.

Slide 6: It was clarified that the 3rd bullet should read Speech Enabled Services (not SRES). The AMR WB+ Codec already has a code point allocated, if another Codec is to be used then another codepoint will need to be allocated.

It was noted that the work on the Gx and Rx interfaces will be under the responsibility of CN WG3.

Questions for Guidance from TSG SA:

Request SA provide consolidated response to ITU-T SG 16 on use of H.323 over GPRS:

- TSG CN position in TD SP-040020
- Route response through ITU-T coordination ad-hoc

Request TSG SA provide consolidated LS to PCG/OP on collaboration with Liberty Alliance:

- CN position in TD SP-040021

Request SA provide consolidated response to TISPAN on use of IMS for NGN:

- CN position in TD SP-040182
- Route response through ITU-T coordination ad-hoc.

Use of RAT in PLMN Background Scan:

- CN takes working assumption that RAT is used in background scan.
- CN analysis based upon this assumption in SP-040183.
- CRs to be approved at CN#24.
- Other groups (especially SA1) requested to give feedback on proposed side effects/issues.
- Vote in CN#24 between alternatives if CN1 cannot agree on a solution.

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

TD SP-040180 IETF status report. This was introduced by the IETF Co-ordinator (S. Hayes) and provided the status of the IETF specifications upon which 3GPP work items have a dependency.

Good progress on several critical items:

- *Diameter Credit Control has completed WGLC*
- *Sipping 3pcc draft (long dangling Rel-5 dependency) finally approved by IESG*

Most protocol requirements documents fairly stable and protocol work proceeding. Total Release 6 dependencies now at 89 (increase of 7 since last report).

Highest risk areas are:

- *AAA (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 likely to be a problem in the future. RFC publication also likely to be slow.

There was a request to use this IETF dependency list in the Release 6 prioritisation discussions. It was agreed that this could be done, understanding that the list provided to the IETF should also be prioritised.

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

TD SP-040183 LS (from TSG CN) on PLMN selection and background scan. This was introduced by the TSG CN Chairman. This was considered after approval of the CR in TD SP-040088 in order to provide guidance to SA WG1 on this issue. TSG CN asked TSG SA to provide answers to the following questions:

1. *Does a single mode UE ignore those entries on PLMN selector lists where the PLMN is associated with a non-supported RAT? (see 3.1 in the attached document NP-040129).*
   Yes.
2. *Is it acceptable that the presence of a high priority PLMN + RAT combination can give a high priority for the other access technology of the same PLMN, even though this cell may be part of a forbidden LA? (see table 1 and 2 in NP-040129). It should be noted that this case falls in two alternatives, a cell in a forbidden LA which the UE knows to be forbidden, since it is on the forbidden LA list and a cell which the UE does not know whether it would be forbidden or not, since it is part of the other RAT of the same PLMN and the UE is not allowed to access it.*
   This needs further study.
3. *Does the introduction of the mechanism to prevent 'hopping' between different RATs of the same PLMN lead to undesirable behaviour which means that it would be better to allow for the 'hopping' situation?*
   The signalling cost of the hopping avoidance mechanism will need to be analysed to determine the efficiency of the mechanism.
4. *For those items not included in the specification (e.g. comments in 3.12 in NP-040129) how will they be clearly documented to ensure that everyone is aware of the decisions taken by 3GPP?*
   This would depend on the items which remain outside of the specifications and could be made into a table and liaison or kept in a 3GPP Technical Report.

The TSG CN Chairman explained that they had made working assumptions but not approved CRs in order to allow other WGs to analyse the assumptions and provide comments with any serious flaws in the assumptions. In the absence of any identified problems, TSG CN intend to approve CRs at TSG CN #24. Companies attending RAN and CN WGs were urged to study this and to provide indications to SA WG1 on the acceptability of the assumptions and requirements in TS 22.011. The attachment (TD NP-040129) to this LS contained further information which should also be considered. The addressed groups of this LS (SA WG1, GERAN WG1, RAN WG2, CN WG1) were asked to study the attached document and provide their conclusions on the working assumptions of TSG CN.

It was noted that currently the scenario of having CDMA-2000 connected to MAP-based Core Network is not specified for Rel-6 and specifications should be designed in a way which does not limit the functionality of future Releases.

TD SP-040184 LS (from CN WG5) on Clarifications concerning OSA High Availability discussion. This was introduced by the CN WG5 Chair and was provided to clarify a number of issues concerning the support for High Availability (HA) in the OSA Application Programming Interfaces (APIs). The LS was provided for information and was noted.

TD SP-040019 LS (from CN WG1) on "IMS messaging, Group management and Presence work overlap between 3GPP and OMA. This was introduced by the TSG CN Chairman and was covered by discussions of other contributions. The LS was noted.

TD SP-040021 LS (from CN WG4) on Relationship between 3GPP and Liberty Alliance related to GUP work. This was introduced by the TSG CN Chairman. CN4 asked TSG CN and TSG SA to clarify the nature of the formal relationship (if any) between 3GPP and Liberty Alliance in general, and with regard to the specific concerns expressed by CN WG4:

1) The use of Liberty Alliance specification text in 3GPP.
2) Access to Liberty Alliance documents and ability to contribute to Liberty Alliance work relevant to 3GPP.
3) IPR implications of using Liberty Alliance standards in 3GPP.

The proposal from TSG CN on handling these issues was provided in TD SP-040181 which was considered:

> SP-040181 LS (from TSG CN) on Collaboration between 3GPP and Liberty Alliance Project. This was introduced by the TSG CN Chairman and contained the TSG CN working assumption subject to a satisfactory cooperation agreement being established. TSG CN requested that the 3GPP PCG/OP expeditiously pursue the negotiation of a collaboration agreement with LAP which would allow:
>
> - Participation and contribution of 3GPP member companies to LAP discussions relevant to 3GPP requirements.
> - Access by 3GPP member companies to LAP documents relevant to 3GPP requirements.
> - Clarification and resolution of any IPR issues between 3GPP (and its partners) and LAP.
>
> TSG SA were asked to endorse this view and forward the LS to the PCG/OP.
>
> It was commented that as there are at least 2 work items which depend upon the co-operation with the Liberty Alliance and it was suggested that this is endorsed. The TSG SA Chairman asked if there was a large difference in the membership of 3GPP and the Liberty Alliance which may cause potential problems in using their work. Nortel Networks stated that there were many companies in the management groups of both 3GPP and the Liberty Alliance.
> The TSG RAN Chairman asked whether a presentation of the work of the Liberty Alliance could be arranged for the PCG/OP.
> It was reported that the IPR policy of the Liberty Alliance should also be checked to avoid problems with using their work. The TSG CN Chairman stated that this was being considered and a similar arrangement as between the OMA and 3GPP is being aimed at. If this is not possible then the working assumptions will need to be revisited.
> The need for 3GPP to reference the Liberty Alliance specifications was questioned. The TSG CN Chairman responded that the work could be done in 3GPP but this would be duplication of work and the Liberty Alliance licences are free for everyone. Also, taking Liberty Alliance documents and modifying them would be a breach of their copyright without the necessary authorisation. It was reported that the legal advisors are being consulted on this.
>
> The timescales for completion of the work should also be studied before undertaking this proposal. Also, it was pointed out that the IPR policies of each of the 3GPP SDOs are concerned as 3GPP itself does not have its' own IPR Policy.
>
> It was agreed to forward the LS to the PCG for their consideration and to ask them to provide guidance on the best way forward. A LS to the PCG, based on this contribution, was provided in TD SP-040216 which was reviewed and updated, to change "agreement" to "collaboration" and to remove the revision marks, in TD SP-040220 and approved.

TD SP-040022 LS (from CN WG4) on Routing of Emergency Calls based on Geographical Coordinates. This was provided for information and was noted.

TD SP-040018 LS (from CN WG1) on background scan requirements. This was covered with TD SP-040183.

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-040188 Draft Report of TSG RAN meeting #23. This was provided by the TSG RAN Secretary for information and was noted.

TD SP-040189 Report from TSG RAN to TSG SA #23. The Status report from TSG RAN was presented by the TSG RAN Chairman.

ITU-R matters: The reminder for the Organisational Partners for submission in May was approved and is presented to the this meeting of TSG SA for endorsement prior to the sending to the PCG lists (TD SP-040190). At ITU-R meeting in BUSAN end of February there has been some discussions about the necessity of providing an update every year. It was clarified that there is no requirement for doing so. It is hence up to the 3GPP to decide on the frequency of the updates. This will be reported as well to the next PCG in April.

Release 1999 and Rel-4:

Load due to CRs on Release 1999 is decreasing and their scope is more and more limited. From the numbers of CRs on Release 1999 only 14 are concerning the RRC (25.331).

Work on Repeaters still pending.

TDD seems to approach the same level of completion as Release 1999. New CRs have been introduced in Rel-5 and Rel-6.

Release 5:

72 CRs (non cat. A) on Release 5 have been approved.

RAN WGs reviewed the impact of freezing the ASN.1 coding. It was felt premature to do that during this meeting but this decision was decided to be applicable after the next meeting. Advice was given to RAN WG2 and RAN WG3 to check seriously the use of Isolated impact when modifying the ASN.1 for backward compatibility.

IP/ATM inter-working has been a subject to major discussion in RAN. There is currently 3 solutions which were agreed to be incorporated in Rel-5 and some companies found difficulties in accepting the introduction of any of the three solutions (IP/ATM IWF with reference to ITU-T specification only, Use of PWE3 only and allowing both). It was impossible to build a consensus. It was finally agreed that discussion could take place in between companies before a vote shall take place at the next meeting.

Some discussion started on the requirements for terminals on HSDPA concerning potential power reduction. A request for system simulation work to be carried over was identified and some working assumptions have been proposed to be reviewed and agreed by email within a period of 2 weeks.

Release 6:

On Iu enhancements for IMS support in TSG RAN, discussion took place at the previous and the last but one meeting dealing with distinguishing between SIP user traffic and SIP signalling traffic for those RABs which are supposed to carry signalling traffic only. A coordinated approach with SA WG2 and CN groups is necessary to handle mixed content. Currently this situation prevents completion of this the work in TSG RAN.

MBMS has been scrutinised by TSG RAN to check the status of the work. A better view is now available due the joint meetings that were taking place during the previous period due to the co-location of RAN WG meetings. Major working assumptions were achieved from the Radio Access network.

Work on UMTS800 & UMTS850 and UMTS 1700/2100 is now completed.

The work on RAB support enhancement has focused on IMS voice over IP.

UE positioning Enhancement is progressing however better co-ordination between groups is needed.

Work on AGPS performances has been started and a new specification is under development. It is still required that TSG SA and more specifically SA WG1 clarify the requirement urgently so that the WI can be completed in due time.

Work on Network sharing is pending progress in SA WG2.

Improved access to User Equipment measurement data for Controlling Radio Network Controller to support TDD Radio Resource Management (RRM) is now completed.

Network Assisted Cell Change (NACC) from UTRAN to GERAN – network-side aspects could not be completed in due time and hence the completion of the work is moved to June 2004.

Enhancement of the support of network sharing in the UTRAN has been linked to the SA WG2 and it is foreseen that it will take 3 months after completion of the work in SA WG2.

OFDM Feasibility study seems to be possible to be completed in June I order to allow the discussion on the way forward at the PCG in October 2004.

FS on Low Output Powers for general purpose FDD BSs was completed and it was concluded that no work was required as O&M solution has been agreed.

New Work items approved:

Optimisation of downlink channelisation code utilisation for FDD was approved as a building blocks however some clarification for the wording were tasked to RAN WG1. A similar one for TDD was also approved in principle and RAN WG1 was tasked to review the wording as for the one on FDD. A new work item on High Speed Uplink Packet Access was approved.

Questions and Comments:

Slide 9: Network Sharing: It was commented that the work is progressing on Gateway architecture option but the other architecture being considered is not progressing fast. The TSG RAN Chairman reported that RAN WG2 were awaiting the stabilisation of the SA WG2 work before they can continue their work. This was currently estimated to be 3 months for RAN WG2 to complete their work.

Slide 12: Meeting Lengths. It was commented that the TSG RAN meeting length of 3 days had caused some delegates problems with having time to properly consider and discuss contributions. This was noted as an issue for TSG RAN to decide upon.

Slide 7: It was clarified that SA WG2 needed to provide information on SIP user traffic and SIP signalling traffic. It was clarified that there is no need for work in CN WGs at this time.

Slide 9: It was clarified that the PCG had been provided will the feasibility Study on OFDM for UTRAN enhancement to determine whether the work is in the Scope of 3GPP.

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

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

TD SP-040190 Reminder for the SDOs for update of ITU-R M.1457. This was endorsed for submission to the PCG.

TD SP-040008 Reply LS (from RAN WG3) on RAN Work Item "'Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5'. This was provided for information to TSG SA and was noted.

The RAN Chairman reported that he had received a request for a Workshop on the potential transition between 3G and "*beyond 3G*". This will need to be taken up at the PCG. Members were asked to noted this initiative.

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-040196 TSG-T#23 draft meeting report. This was provided by the TSG T Secretary for information and was noted.

TD SP-040195 TSG-T#23 Progress Report. The Status report from TSG T was presented by the TSG T Chairman.

T WG1: Conformance Testing

Status of RF Test Specifications:

RRM Progress The proportion of complete RRM tests is approximately 40 %. Good progress on outstanding RRM TCs (6 more RRM tests). Routine maintenance (Follow up Database updated). TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD) (V5.2.0 -> V5.3.0)

Status of Signalling Test Specifications:

TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing:
Release 1999 (V3.14.0 -> V3.15.0), Rel-4 (V4.9.0 -> V4.10.0) and Rel-5 (V4.10.0 -> V5.0.0). Agreed to create a single version(REL-5) across all releases.

TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (V5.6.0 -> V5.7.0). Corrections coming from the verification of the TTCN. Ongoing discussions over:

- Handling of critical versus non-critical CRs to already approved TCs
- Splitting some test cases into high and low data rate variants in order to allow GCF validation to proceed with the low data rate ones : Agreed but negative in a longer term concern

TS 34.123-2 UE Conformance Specification, part 2 - ICS Implementation Statement (V5.6.0 -> V5.7.0). Updated to reflect changes in TS 34.123-1.

TS 34.123-3 UE Conformance Specification, part 3 - Abstract Test Suites (TTCN) (V3.4.0 -> V3.5.0). Automatic Document Numbering (ADN) process introduced for TTCN CRs. Added GPRS GERAN ASPs to control SS : Allow GPRS<>UMTS InterRAT tests to be drafted.

Report of TTCN Project Team (160):

T1 PRD-12 fully implemented. A formal delivery of V3.4.0 in 34.123-3. New experts in 2004 (3 selected). Updated MCC TF 160 ToR.

T WG2: Services & Capabilities

SWG1: MExE: Closed

SWG2: UE Interfaces and Capabilities:

TS 23.241 GUP/XML Schema and Data Description Methods: approved as V6.0.0. TS 24.241 Common Objects: 60% complete (little progress). Dr. Prem Sood has resigned as SWG2 chair. SWG2/CN4 joint meeting scheduled on GUP matters.

SWG3: Messaging – SMS:

Mechanism for checking the existence of an SMS interworking agreement introduced in TS 23.040 as an option. Private addressing schemes work has made significant progress. MM9 on line charging interface and hyperlink support introduced. Improvements to MM4 interface (between MMS Relay/Servers) and MM7 interface (between MMS Relay/Server and VASP). Ongoing work in the following and other areas:

- SIP addressing in MMS, MM7 enhancements, MM storage on USIM, Private Addressing Schemes, Charging transparency, Multiple Relay/Servers architecture, Application ID in MMS.

Transfer of MMS to OMA:

- LS to OMA cc T and SA (SP-040029):
  - 95% of 23.140 is bearer agnostic.
  - Many detailed procedural issues are highlighted for consideration.
- IPR and copyright issues between 3GPP and OMA is still pending for further progress the transfer of work.

T WG3: Smart Card Application Aspects

New specifications approved:

TS 31.130 “(U)SIM API for Java Card™” approved as V6.0.0. TR 31.919 “2G/3G Java Card API based applet interworking” approved as V6.0.0.

New WIDs approved:

Test specification for (U)SIM API for Java Card™. USSD message transfer to USIM.

TS 31.123 USAT Interpreter Interoperability Test Specification: Decided to close the work item itself (No interest to develop).

Other Issues in T

Discussion on the future of T WG2:

LS from T WG2 on the impact on T WG2 of transferring MMS stage 2 bearer agnostic work to OMA after MMS Rel-6. Several options suggested.

Contribution on the closure of TSG T WG2: Proposed to close T WG2 at TSG T #26 (Dec 2004) and transfer the responsibility for specifications maintenance to TSG T.

Result of Discussion:

- Not to set a date for the closure of T WG2 at this meeting;
- T WG2 was invited to discuss the matter and report its consensus back to TSG T in June;
- Members were requested to bring their position to TSG T in June.

Questions and Comments:

Slide 15 - more time for T WG2 to decide the best way to handle the closing of T WG2.

Slide 8: LCR TDD. The TSG RAN Chairman expressed surprise on the conversion of a branch of FDD ATSs for TDD Rel-4. The TSG T Chairman reported that delegates were aware of the discussions in the Jeju Island meeting and he would report this back to T WG1.

Slide 8: High Chip Rate. The expected completion for testing was questioned. It was reported that progress was slow and more contribution to T WG1 is needed.

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

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

TD SP-040029 LS (from T WG2) on MMS transfer to OMA. This was introduced by the TSG T Secretary. T WG2 invited OMA-MWG-MMSG and 3GPP2-X to start a discussion and the socialisation of ideas on MMS transfer to OMA between these groups. T WG2 also invited SA WG1, SA WG4, SA WG5, T WG3 to consider to also start socialization of the idea to set up some common agreement on potential transfer (or not) of any of their MMS work with OMA and 3GPP2. The Liaison was copied to TSG SA for information and was noted. Delegates were asked to consider the content of this LS for discussion in the addressed groups.

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-040176 TSG GERAN Report to TSG SA #23. The Status report from TSG GERAN was presented by the TSG GERAN Chairman.

3GPP2 multi-mode terminal:

TSG GERAN have studied liaison statement from 3GPP2 on Preferred roaming list for 3GPP2 multi-mode terminal and concluded that if:

- The mechanism is made as an overlay to existing network selection mechanism, and
- The mobile follow 3GPP/3GPP2 specifications corresponding to its current mode of operation, and
- Hysteresis is implemented in overlay to avoid to frequent change of mode.

Then it should not cause any changes to specifications under responsibility of TSG GERAN.

TSG SA is invited to draft reply to 3GPP2.

Release 98 CRs:

Alignment of location reporting behaviour: TSG GERAN have studied the changes made by TSG RAN and SA WG2 and concluded that to ensure compatibility the changes needs for GERAN to be done for Release 98 as well.

Release 1999:

Issue on Padding for MCS-8 retransmissions" has been resolved.

Correction on CPS field setting for MCS-3 retransmissions of MCS-8 blocks.

- Receiver must accept both interpretations of CPS field as referring to padding in retransmission blocks of MCS-3.

RIM/NACC:

- Constructive proposal for simplifying the format used in the evening session to restructure the CR.
- LS sent to RAN3 and CN4 on RIM routing addressing between GERAN and UTRAN.
- RIM/NACC drafting session to be held before G2#18bis – hosted by Siemens.

MBMS:

Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes.

A/Gb mode architecture discussion re-opened:

- To support only p-t-m with NACK channels - performance currently being discussed in G1
- Or to use two types of channel (p-t-m and p-t-p simultaneously in different cells during multicast)

Notification – no additional progress

Cell change issue relates to late arrivals concept (awaiting notification solution).

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

U-TDOA:

CS domain: Removal of emergency services client type restriction from the U-TDOA location method – SA3 being consulted on the protection of Kc in the Uplink TDOA location method.

PS domain: First papers on “Inclusion of PS functionality for U-TDOA location method” were seen.

PS Conversational:

PS HO Stage 2 TS v0.2.0 presented.

Rapporteur to add signalling flows for one inter-RAT scenario to the TS, together with most text from the identifiers draft CR.

“Packet forwarding” terminology still open.

Working assumption for MS identifier to use during HO procedures:

- The new local P-TMSI is pre-allocated by the T-SGSN but neither this nor the derived TLLI is sent to the MS in the source cell.
- The Target BSS appends the new TLLI to all uplink data sent by the MS in the target cell prior to the RAU, when the MS will be informed of the new P-TMSI and TLLI pair.
- Some kind of handover reference or other temporary identifier may be needed to ensure that the correct MS appears on the dedicated resource.

Discussion paper for next meeting to ensure all aspects have been considered.

To support signalling for PS HO, two enhancements to RLC/MAC are proposed:

- Either introduce segmentation for RLC/MAC control messages on PACCH,
- Or optimise an RLC instance to use user data like procedures.

PS Interruption in DTM:

“DTM enhancements concept paper” has adequately captured requirements and performance of current procedures.

Work started on solutions (5%).

TEI 6:

Proposal for Cell-Selection redirection at connection termination completed – This allow network to send mobile returning to idle mode directly another network layer than the one used for completed connection. e.g. on completion of call on GERAN cell direct the mobile to re-select a UTRAN cell which is prioritised through reselection parameters and thereby avoid multiple Location updates.

Improvement to Delayed Uplink TBF Release.

Service handover CR could not be agreed.

Ciphering in VGCS, an LS to SA3 was drafted indicating that the sending of a 32 bit RAND requires the introduction of a segmentation mechanism on the notification channel – GERAN has indicated its preference for the technical solutions and will continue study.

A number of corrections and clarifications to different parts of the specifications.

Single Antenna Interference Cancellation (SAIC):

- 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 and work commenced. Work Plan for completion of ARP in Rel-6 timeframe has been agreed.

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.

Testing – GPRS Release 1999:

Work plan for GPRS test cases Release 1999 has been updated.

The R97 GPRS test cases, which have been introduced to 51.010-1 during the Work-Plan life are Release 1999 compliant, have been included in the Work-Plan.

Testing of NC2:

Summary after GERAN #18

- Phase 1 / Step 1: 15 (all) required test cases available;
- Phase 1 / Step 2: 25 (all) required test cases available.

There is no new test cases on NC2 have been identified and this work is being considered as finished.

Testing – PTCRB test cases:

An updated Work Plan for the Alignment of the PTCRB (PCS Type Certification Review Board) RFT's has been created.

General information:

Based on the LS from GCF, WG3 has discussed and agreed to create the Work-Plan on EMR test case development, including:

- Analysis of the test coverage in TS51.010 regarding Packet Enhanced Measurement Reporting (PEMR).
- Analysis of the required test coverage needed for PEMR in order to ensure sufficient test coverage of the feature.
- Development of test cases for PEMR in order to achieve sufficient test coverage.
- LS to GCF and PTCRB reflecting the progress of the work.
- TSG GERAN has created a Work Plan for Extended Uplink test case development.

- Link adaptation during TBF extension.
- TBF reconfigure during TBF extension and resumption.
- Cell Change Notification during extended mode.
- Cell Change Failure during extended mode.
- Change of RLC mode.

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

TD SP-040011 Reply LS (from TSG GERAN) on Pending Decision on A Interface Functionality for Early UE handling. This was introduced by the TSG GERAN Chairman and asked TSG SA to finalise and approve TS 23.195 based on the decision taken by TSG GERAN. This had been approved already in this meeting so the request had been fulfilled. The LS was then noted.

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

The following Liaisons were approved at the meeting:

Number	Title	TO	CC
SP-040209	Response to ITU-T from SP-040020 and SP-040026	ITU-T COM 16	-
SP-040218	LS Reply to Request for close cooperation on future NGN Standardisation	ETSI TISPAN, SA WG2	PCG, SA WG1, SA WG3, CN WG1, CN WG3, CN WG4
SP-040219	Reply LS on 2G/3G subscriber distinction and roaming restriction	GSMA IREG	SA WG1
SP-040220	LS on Collaboration between 3GPP and Liberty Alliance Project	PCG/OP	TSG CN, CN WG4
SP-040226	LS to 3GPP2 TSG-C: Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	3GPP2 TSG-C	-

8.6 3GPP Work plan

There were no specific contributions under this agenda item.

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

TD SP-040200 Overview of Release 1999 features. This was introduced by A. Sultan, the MCC Work Plan manager and outlined the list of Release 1999 Features as developed by MCC. Delegates were asked to review the document and provide feedback to A. Sultan. The document was then noted.

TD SP-040147 Overview of 3GPP Release 4 (draft). This was introduced by A. Sultan, the MCC Work Plan manager and outlined the list of Rel-4 Features as developed by MCC. Delegates were asked to review the document and provide feedback to A. Sultan. The document was then noted.

TD SP-040221 CRs to lists of specs. These CRs were approved.

TD SP-040058 Specs status list prior to TSGs#23. This was introduced by the MCC Specifications Manager (J. Meredith) and was noted.

TD SP-040059 Status list after TSGs #23. This was not available at the meeting but will be produced with the changes agreed at the meetings. Members were invited to study the document when it is available and provide comments to the Specifications Manager.

8.8 Review of Release 6 status, content and completion

TD SP-040201 3GPP Work Plan. This was provided for information and was noted.

TD SP-040202 3GPP Work Plan Overview. 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. The document was therefore noted.

Completion Dates:

UID	Feature	FCD
50401	Addition of frequency bands to GSM	X
50130	Seamless support of streaming services in A/Gb mode	X
1800	Rel-6 UICC/USIM enhancements and interworking	X
12006	Enhancement of dialled service for CAMEL	X
50600	Multiple TBF in A/Gb mode	X
1216	Improvements of Radio Interface	X+24
32021	IMS Phase 2	X+24+25
15010	Rel-6 OSA enhancements	X+24+25
9	RAN improvements	X+24+25
1571	Security enhancements	24
2062	Subscription Management	24
50063	Flexible Layer One for GERAN	24
31006	Speech Recognition and Speech Enabled Services	24
34300	Performance characterisation of default Codecs for PS conversational multimedia application	24
35016	Charging Management	24
34023	AMR-WB extension for high audio quality	24
50444	Addition of U-TDOA in the CS domain	24
1365	Support of Push Services	24/25
35010	OAM&P	24/25
33002	Support for subscriber certificates	25
42009	Multimedia Messaging (MMS) enhancements	25
2499	Support of Presence Capability	25
31012	WLAN-UMTS Interworking	25
31008	Generic User Profile	25
31018	Network Sharing	25
34022	Packet Switched Streaming Services Rel-6	25
50500	Support of Conversational Services in A/Gb mode via the PS domain	25
50445	Addition of U-TDOA in the PS domain	25
32016	QoS Improvements	25
2544	Multimedia Broadcast and Multicast Service	25/26
2468	Multiple Input Multiple Output antennas (MIMO)	26
32060	Bandwidth and resource savings in CS networks	25?
32045	PS domain and IMS impacts for supporting IMS Emergency calls	28
32023	Location Services enhancements 2	EXT
32063	3GPP Enablers for services like Push to Talk over Cellular (PoC)	EXT
11032	Interoperability and Commonality between IMS using different "IP-connectivity Networks"	X+NR
31010	Digital Rights Management	EXT
2	Evolutions of the transport in the UTRAN	NR
32062	Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)	NR
42005	Rel-6 MExE enhancements	NR
50056	Enhanced A/Gb feasibility study	NR
50041	Uplink TDOA feasibility study	NR

	UID	Feature	FCD
	31015	Priority Service	NR
	31030	Study on Privacy Capability	NR
	51101	Single Antenna Receiver Interference Cancellation (SAIC)	NR
	33018	FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces	NR
	50096	Alignment between the test-regimes for GERAN capable MS	NR
	50101	Advanced Receiver Performance	NR
	50109	Reduction of PS service interruption in Dual Transfer Mode	NR
x		CS Video and Voice Service Improvements	?

Questions and Comments:

Slide 4: Testing A-GPS Rel-6 Minimum Performance Requirements: Completion is dependent upon the completion of the base specifications.

Slide 22: Check if CN1 involved. *Supporting companies to write corresponding WID if needed.* The SA WG2 Chairman was asked to verify the status of the LCS Stage 2.

Slide 29: Push Services. *It is not certain that stage 2 TS (or CRs) and stage 3 work is needed, it depends on the decision on NRPCA*. The mechanisms to support Push are already in place so the WI can be considered complete except for some.

Slide 34: Presence: *Codec and Formats - Check supporting companies*. It was commented that this is related for IMS Messaging but not presence. Therefore it should be determined whether and work is still needed on Codec and Formats for Presence. The SA WG4 Chairman agreed to check whether any work is needed for Presence.

Slide 34: Presence: *CN5 work not started for TR on Mapping (see slide on OSA). CN3 aspects also needed but not starte*d. The CN WG5 Chair reported that work could not be done while there was nothing to map to, but now that there is there is no resource to do the work, but this is a non-normative part of the specifications. The CN WG3 Chairman reported that the work that is needed is not large and it should not be a limiting factor.

Slide 40: Digital Rights Management: *How to handle OMA Stage 1 specifications*. It was agreed that they can be simply referenced.

Slide 43: Priority Service: *BB on Priority for Multimedia is 0% complete in the WP. CN: How is SA WG1 going to proceed with it?* The SA WG1 Chairman reported that extra work is needed which will be based on the revised Work Item.

Slide 50: Privacy Capability: *Check for supporting companies to start work on Stage 2*. It was reported that SA WG1 had not identified any new requirements to add to their specifications and so no Stage 2 work is needed.

Slide 58: AMR-WB extension for high audio quality (AMR-WB+): *Supporting Companies to check impacts on CN WG1*. The SA WG4 Chairman confirmed that there is no impact to CN WG1 of this work.

Slide 62: 3GPP Enablers for services like Push to Talk over Cellular (PoC):

> *Check if independent Feature or BB under IMS 2*. It was clarified that this can be considered as an Independent Feature and completion within 2 months.
>
> *Clarify how Stage 1 is to be documented*. It was reported that CRs to 22.228 may be needed.
>
> Time schedule for SA2: June for information and approval (missing info on Stage 1). Dependant on stable input from OMA. *Does this apply to stable stage 2 (i.e. TS and/or CRs) or just to TR?*
>
> No work ongoing on Stage 3 at the moment. Awaiting Stage 2 to be progressed. Not before September 2004.

A. Sultan was thanked for the Presentation and an updated version was provided in TD SP-040223 which was noted.

TD SP-040214 Minutes of the Release 6 Prioritisation breakout session. This was introduced by the breakout session Chairman and was used as a basis for discussions on the proposals provided in TD SP-040210, TD SP-040211, TD SP-040213 and TD SP-040222.

> TD SP-040210 On 3GPP Rel-6 Work Prioritisation. This was introduced by TeliaSonera and proposed that TSG SA in the event that some kind (e.g. TD SP-040014) of priority list for the work on Rel-6 is approved it shall also be concluded that such a list shall not be used by WG chairmen when they design an agenda. Such a list shall only be used by WG delegates as a guidance to which areas to write contributions without imposing any restrictions on other areas.
>
> TD SP-040211 On 3GPP Rel-6 Work Prioritisation. This was introduced by Nokia. From the priorities listed in TD SP-040014 and the feedback received in discussions during the TSG SA #23, this is the contributing companies' common understanding of the prioritised Rel6 work items.
>
> TD SP-040213 Release 6 freezing dates. This was introduced by Siemens and proposed September 2004 as freezing date for 3GPP Rel-6. Working groups should work toward that date. Deliberate exceptions shall be granted at SA#25 on status of work on an individual basis.
>
> TD SP-040222 Release 6 freezing dates. This was introduced by Nortel Networks and proposed September 2004 for completion of major technical work for Rel-6 and a review of the appropriateness for freezing Rel-6 made at TSG SA #26.

It was concluded that the Rel-6 content freezing date will be set for September 2004. This decision will be reviewed relative to the progress of the work items. TSG SA noted that the priority list provided in TD SP-040211 as being the list of Rel-6 Work Items that Source Companies will focus their efforts on. TD SP-040211 was later updated to change the Source companies in TD SP-040225.

It was agreed that Stage 1 of Release 7 is intended to be Functionally Frozen by June 2005. This decision will be reviewed at TSG SA #24 / TSG SA #25.

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

There were no specific contributions under this agenda item.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

There were no specific contributions under this agenda item.

9.2 Working methods

TD SP-040186 CRs to 21.801 to make it "Release-independent" and to create a R99 version. These CRs were approved.

TD SP-040194 New Work Item Description (WID) form. This was introduced by the MCC Specifications Manager (J. Meredith). It was commented that with the potential changes due to the discussions on Release handling, it is likely that the Work Item Template would need to be updated again. It was also suggested that the "AN" should be split into GERAN and UTRAN. It was also suggested that the dependencies on external bodies' work should be added. The addition of IMS was also suggested. Considering the proposed changes and the likelihood of needing to further changing the template due to the Release Handling discussions, it was decided to ask for an updated draft to be sent to the e-mail reflectors of all TSGs for comment and an updated version provided to the next TSG SA meeting.

It was commented that the Release Handling discussions were related to the Work Plan and not the Work Item Description sheets.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

TD SP-040205 Report of MCC activities to TSG SA #23.

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-040206 Calendar of 3GPP meetings. It was noted that the meetings for March were wrong and should be 4 calendar days long. The Calendar of meetings was then noted.

The current meeting schedule was as follows:

TITLE	HOST	DATES	LOCATION	COUNTRY
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		14-17 March 2005	Tokyo	Japan

13 Any other business

The Vice Chairman, Mr. Hiroshi Nakamura, announced that he was stepping down from the position due to changes in his work in NTT DoCoMo. He expressed his appreciation for his time as Vice Chairman of TSG SA and the good co-operation he had always received. He indicated that NTT DoCoMo are still fully committed to the work of TSG SA and they would propose a replacement candidate for the forthcoming elections. The TSG SA Chairman thanked Hiroshi-San for his very good work as Vice Chairman, especially for Chairing some difficult ad-hoc Groups and Workshops and wished him all the best in his future work. The TSG SA Chairman will add the election of a replacement Vice Chairman to the next TSG SA Agenda and MCC were asked to ensure the call for candidates is distributed appropriately.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and co-operation during the meeting, the Meetings Hosts, North American Friends of 3GPP and the Support staff for the excellent facilities provided for the TSG meetings. He again thanked the Vice Chairman, Mr. Hiroshi Nakamura, for his very good work as Vice Chairman and wished him all the best in his future work. He then closed the meeting.

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	Chris Sachno	NTT DoCoMo	c.masyu@nttdocomo.co.jp	+81 46 840 3570		+81 90 3340 7342
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	Akishige Noda	Fujitsu Ltd	aki.noda@jp.fujitsu.com	+81 44 75 85 11	+81 44 754 8540	
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	Kunihiko Taya	Telecom Modus Limited	taya@t-modus.nec.co.uk	+44 1372 381880		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG1 Officials:						
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	Juergen Caldenhoven	3GPP Support Team	juergen.caldenhoven@etsi.org	+33 4 92 94 43 52		+33 6 74 40 83 78
TSG RAN WG4 Officials:						
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	Telecom Italia Lab	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.4 TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung Electronics	skpark@samsung.com	+82 31 2795300	+82 31 279 5265	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.org	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG1 Officials:						
Chairman	Phillip Brown	3	phillip.brown@three.co.uk	+44 1628 765465	+44 1628 766012	+44 7799 628410
Vice Chairman	Dan Fox	Anritsu Ltd	dan.fox@eu.anritsu.com	+44 7909 983357	+44 1582 433 276	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Alain Sultan	3GPP Support Team	alain.sultan@etsi.org	+33 4 92 94 42 71	+33 4 93 65 28 17	
TSG T WG2 Officials:						
Chairman	Ian Harris	Research In Motion Limited	iharris@rim.net	+44 77 85 360 000	+44 13 80 860 691	+44 77 85 360 000
Vice Chairman	Paul Voskar	Nokia	paul.voskar@nokia.com	+44 1252 867427	+44 1252 865693	+44 7771 980 062
Vice Chairman	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	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Michael Färber	Siemens	michael.faerber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
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-040001	Draft agenda for TSG SA meeting#23	TSG SA Chairman	2	Approval		Approved
SP-040002	Draft Report for TSG SA meeting #22	TSG SA Secretary	3	Approval		Approved. Clean version to be put on FTP as v1.0.0
SP-040003	LS (from CN WG5) on Clarifications concerning OSA High Availability discussion	CN WG5	8.1.2	Information	SP-040184	Replaced by SP-040184
SP-040004	Reply (from SA WG1)Reply to LS to 3GPP SA Concerning the Handling of Emergency Calls on 3G Networks	SA WG1	7.1.2	Information		Noted
SP-040005	Response (from SA WG1) to LS on EC Requirements on Emergency Telecommunications	SA WG1	7.1.2	Information		Noted
SP-040006	LS (from SA WG1) on Video Telephony New Requirements	SA WG1	7.1.2	Information		Noted
SP-040007	LS (from SA WG1) on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA	SA WG1	7.1.2	Information		Noted
SP-040008	Reply LS (from RAN WG3) to S5-038807 = R3-031822 on RAN Work Item '"Control of Remote Electrical Tilting Antenna" and possible impact on TSG SA 5'	RAN WG3	8.2.2	Information		Noted
SP-040009	Liaison Statement (from T1A1) on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors	T1A1	6.2	Information		Considered with LS in SP-040024. Noted
SP-040010	LS to 3GPP and 3GPP2 on MMS decisions from OMA TP	OMA TP	6.3	Information		Noted
SP-040011	Reply LS (from TSG GERAN) on Pending Decision on A Interface Functionality for Early UE handling	TSG GERAN	8.4.2	Action		request fulfilled. Noted.
SP-040012	LS from TSG GERAN: On the Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	TSG GERAN	6.1	Action		Draft LS to 3GPP2 provided in SP-040191
SP-040013	Reply LS (from ITU-T SG16) to SG 11 on Signalling Requirements for IP-QoS	ITU-T SG 16	6.3	Information		Noted. Members asked to look at these issues.
SP-040014	On 3GPP Rel 6 Work Prioritization	Ericsson, Nokia, Siemens	4, 8.8	Discussion / Decision		Off line discussion and return under AI 8.8. Handled in the ad-hoc discussions
SP-040015	Liaison (from OMA DL+DRM) to 3GPP SA4 and SA3 on DRM for PSS and MBMS streams	OMA DL+DRM	6.3	Information		Noted. Members asked to look at these issues.
SP-040016	Reply LS (from OMA POC WG) to 3GPP on principles for overlapping issues with OMA regarding PoC	OMA POC WG	6.3	Action		Related LSs in SP-040023 and SP-040016.. Noted
SP-040017	Reply (from RAN WG2) to: LS on Use of UTRAN for I-WLAN [S1-040190]	RAN WG2	8.2.2	Information		SA1 to try to agree on clear requirements over e-mail
SP-040018	LS (from CN WG1) on background scan requirements	CN WG1	8.1.2	Information		Dealt with along with SP-040183
SP-040019	LS (from CN WG1) on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA	CN WG1	8.1.2	Action		Covered in other contributions. Noted
SP-040020	LS (from CN WG1) on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	CN WG1	8.1.2	Action		CN position on H.323 TR. Amalgamated response with SP-040026 in SP-040209
SP-040021	LS (from CN WG4) on Relationship between 3GPP and Liberty Alliance related to GUP work	CN WG4	8.1.2	Action		Proposals for handling issues in SP-040181
SP-040022	LS (from CN WG4) on Routing of Emergency Calls based on Geographical Coordinates	CN WG4	8.1.2	Action		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040023	Response (from SA WG2) to LS on "IMS messaging, Group management and Presence work overlap between 3GPP and OMA"	SA WG2	7.2.2	Action		Considered with SP-040025 and SP-040016.
SP-040024	Reply LS (from SA WG2) on Mapping between ITU-T and 3GPP QoS Classes and Traffic Descriptors	SA WG2	7.2.2	Information		Considered with LS in SP-040009. ITU-T LSs should go via the PCG. Noted
SP-040025	LS Reply (from SA WG2) to OMA LS to 3GPP on principles for overlapping issues with OMA regarding PoC	SA WG2	7.2.2	Information		Considered with SP-040023 and SP-040016.
SP-040026	Reply LS (from SA WG2) on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	SA WG2	7.2.2	Action		SP-040020 contained CN position. Amalgamated response in SP-040209
SP-040027	LS from SA WG3: MMS WID MM4 Private addressing	SA WG3	7.3.2	Information		Noted.
SP-040028	LS from SA WG3: reply to LS S1-040253 (=S3-040018) on "IMS messaging, Group management and Presence work overlap between 3GPP and OMA"	SA WG3	7.3.2	Action		Noted.
SP-040029	LS (from T WG2) on MMS transfer to OMA	T WG2	8.3.2	Information		Noted. Delegates asked to consider issues for discussion in other groups
SP-040030	Report of SA2 status	SA WG2	7.2.1	Information		Noted
SP-040031	CRs On 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-040032	CRs On 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040033	CRs On 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved
SP-040034	CRs On 23.195 (Early UE handling)	SA WG2	7.2.3	Approval		Approved
SP-040035	CRs On 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved
SP-040036	CRs On 23.221 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-040037	CRs On 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040038	CRs On 23.240 (GUP stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040039	CRs On 23.246 (MBMS stage 2)	SA WG2	7.2.3	Approval		Approved
SP-040040	CRs On 03.71, 23.171 and 23.271 (LCS stage 2)	SA WG2	7.2.3	Approval		23.271 CR252 revised to remove MO LCS part and CR186r7 provided in SP-040127 Other part returned to SA2. All other CRs were approved
SP-040041	Updated WID for Flow Based Charging	SA WG2	7.2.3	Approval		Approved
SP-040042	WID on 3GPP Access Class Barring and Overload Protection	SA WG2	7.2.3	Approval	SP-040208	Updated dates in SP-040208
SP-040043	Revised WID on Circuit Switched Video and Voice Service	SA WG2	7.2.3	Approval		Objection from 3 over no discussion in S1 for transfer of ownership. This was expected when WID first approved. WID Update Approved
SP-040044	WID on Combining CS bearers with IMS	SA WG2	7.2.3	Approval		Approved. Main focus is on GERAN
SP-040045	Updated WID on "Network sharing stage 2"	SA WG2	7.2.3	Approval		Approved
SP-040046	TR 23.976 on "Push Architecture", Version 2.0.0	SA WG2	7.2.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040047	TR 23.877 on "Speech Enabled Services", Version 2.0.0	SA WG2	7.2.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040048	TR 23.881 on "Interworking aspects and migration scenarios for IPv4 based IMS Implementations", Version 1.0.0	SA WG2	7.2.3	Information		Noted. WGs asked to send comments to SA2 to finalise this TR for approval.

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040049	TS 23.234 on "3GPP WLAN interworking", Version 2.5.0	SA WG2	7.2.3	Approval		T-Mobile to contribute on Annex E status to SA2. T2 to check SMS part and SMS delivery. Approved and placed under TSG SA change control (Rel-6)
SP-040050	TS 23.125 on “Overall High Level Functionality and Architecture Impacts of Flow Based Charging”, Version 2.0.0	SA WG2	7.2.3	Approval		Approved and placed under TSG SA change control (Rel-6). TR 23.825 is abandoned
SP-040051	TR 23.851, “Network sharing; Architecture and Functional Description”, Version 2.0.0	SA WG2	7.2.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040052	Cover Note on Report of Ad-Hoc Email Discussion on Release Process	Nortel Networks	5	Information		Noted
SP-040053	Report of Ad-Hoc Email Discussion on Release Process	Nortel Networks	5	Information		e-mail discuaaions to continue until next meeting
SP-040054	CRs On 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-040055	CEPT/ECC consultation on use of short codes	Chairman ETSI TB MSG	6.2 / 8.2.1	Information		agreed to forward to S1 and T2. Members to consider issue and contribute to groups
SP-040056	CRs to lists of specs	MCC (J Meredith)	8.7	Information	SP-040221	Replaced by SP-040221
SP-040057	CRs to 21.801 to make it "Release-independent" and to create a R99 version	MCC (J Meredith)	9.2	Discussion / Decision	SP-040186	Replaced by SP-040186
SP-040058	Specs status list prior to TSGs#23	MCC (J Meredith)	8.7	Information		Noted
SP-040059	Status list after TSGs 23	MCC (J Meredith)	8.7	Information		Noted. To be produced after the meeting
SP-040060	New Work Item Description (WID) form	MCC (J Meredith)	9.2	Discussion / Decision	SP-040194	Revised with TSG RAN updates in SP-040194
SP-040061	SA WG4 Status Report at TSG SA#23	SA WG4 Chairman	7.4.1	Information		Noted
SP-040062	LS from SA WG4: Signaling of codecs (reply to SA#23)	SA WG4	7.4.2	Information		Noted
SP-040063	TR 26.935 "Packet switched conversational multimedia applications; Default codecs; Performance characterization" V1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. WGs asked to send comments to SA4 to finalise this TR for approval.
SP-040064	TS 26.243 "Software documentation for fixed-point DSR Extended Advanced Front-end" V. 1.0.0 (Release 6)	SA WG4	7.4.3	Information		Noted. WGs asked to send comments to SA4 to finalise this TS for approval.
SP-040065	3GPP TS 26.244 Transparent end-to-end packet switched streaming service (PSS);"3GPP file format (3GP)" Version 2.0.0 (Release 6)	SA WG4	7.4.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040066	Work Item Description on Codec Enhancements for Packet Switched Conversational Multimedia Applications (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040067	Work Item Description on 3G-324M updates in Release 6	SA WG4	7.4.3	Approval		Approved
SP-040068	3G PS conversation tests Phase 2 : Report from FT R&D for Host Lab and Subjective Testing Lab functions	SA WG4	7.4.3	Approval		Approved. Test Labs can be paid
SP-040069	3G PS conversation tests Phase 2 : Report from Dynastat on Global Analysis of Phase 1 & Phase 2 Conversation Test results	SA WG4	7.4.3	Approval		Approved. Test Labs can be paid
SP-040070	Audio codec selection tests: Reports from Subjective Testing Labs	SA WG4	7.4.3	Approval		Approved. Test Labs can be paid
SP-040071	Audio codec selection tests: Reports from "Host" and "Selection of items" Laboratories	SA WG4	7.4.3	Approval		Approved. Test Labs can be paid
SP-040072	Audio codec selection tests: Reports from "Global Analysis" Laboratory	SA WG4	7.4.3	Approval		Approved. Test Labs can be paid

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040073	Audio codec selection: Report from SA4 to SA#23 on PSS/MMS audio codec selection	SA WG4	7.4.3	Information		Noted
SP-040074	Audio codec selection: Proposed text on audio media type into TS 26.234 Rel-6	SA WG4	7.4.3	Information		Noted
SP-040075	SES codec selection: Report from TSG SA WG4 to SA#23 Plenary on SES codec selection	SA WG4	7.4.3	Information		Noted
SP-040076	SES codec selection: Proposed CRs from TSG SA4 to introduce SES to Release 6 specifications	SA WG4	7.4.3	Information		Noted
SP-040077	SES codec selection: SES verification plan v 1.0	SA WG4	7.4.3	Information		Noted
SP-040078	CR 26.073 019 Correction of AMR DTX functionality (Release 5)	SA WG4	7.4.3	Approval	SP-040197	Replaced by SP-040197. Header correction in CR
SP-040079	CR 26.104 031-032 "Correction of floating point AMR DTX functionality" (Release 5 and Release 6)	SA WG4	7.4.3	Approval	SP-040198	Replaced by SP-040198. Header correction in CR
SP-040080	CR 26.937 001 rev 2 on Rate Adaptation simulation results for PSS (Rel-6)	SA WG4	7.4.3	Approval		Approved
SP-040081	Presentation of SA1 to SA #23	SA WG1 Chairman	7.1.1	Information		Noted
SP-040082	Status report of SA1 to SA #23	SA WG1 Chairman	7.1.1	Information		Noted
SP-040083	CRs to 22.101 on Correction of emergency call set-up MMI requirements (R99, Rel-4, Rel-5)	SA WG1	7.1.3	Approval		Approved as an exceptional case for the frozen Releases
SP-040084	CRs to 22.101 on Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure (R99, Rel-4, Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved as an exceptional case for the frozen Releases
SP-040085	CRs to 22.071 on Routing of Emergency Calls based on Geographic Coordinates (R99, Rel-4, Rel-5)	SA WG1	7.1.3	Approval		Approved (was requested at TSG SA#24)
SP-040086	CRs to 22.078 on MoveLeg precondition alignment (Rel-5, Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040087	CR to 21.905 on Acronyms for the Flexible Layer One (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040088	CR to 22.011 with Various CRs on network selection (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040089	CRs to 22.011 on System selection and Priority usage of UICC parameters for I-WLAN	SA WG1	7.1.3	Approval		CR055 Withdrawn. CR056 was Approved
SP-040090	CR to 22.071 on Inclusion of U-TDOA positioning method (rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040091	CR to 22.101 on Improvements to CS Video and Voice Service procedures (Rel-6)	SA WG1	7.1.3	Approval		Approved with objections from **3** related to service change
SP-040092	CR to 22.127 on High Availability requirement for OSA (Rel-6)	SA WG1	7.1.3	Approval	SP-040199	Proposed revised cover sheet in SP-040199. This CR was rejected in favour of the CR in SP-040199
SP-040093	CRs to 22.140 for MMS (Rel-6)	SA WG1	7.1.3	Approval		CR041 revised in SP-040203. CR042 Approved. CR043 sent back to SA1 for elaboration of the definition
SP-040094	CR to 22.146 on User requirements for notification of multicast sessions (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040095	CR to 22.240 on GUP UE Requirements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040096	CRs to 22.246 on MBMS (Rel-6)	SA WG1	7.1.3	Approval	SP-040204	Requirements clarified in SP-040204
SP-040097	CR to 22.030 on MMI Service Code for video and telephony (Rel-7)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040098	CR to 22.078 on CSE change basic service (Rel-7)	SA WG1	7.1.3	Approval		Approved
SP-040099	TR 22.949 on Study on a Generalised Privacy Capability (Rel-6)	SA WG1	7.1.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040100	TS 22.234 on Requirements for WLAN interworking (Rel-6)	SA WG1	7.1.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040101	CRs to various specification to remove WLAN requirements	SA WG1	7.1.3	Approval		Approved
SP-040102	Update of GUP WID	SA WG1	7.1.3	Approval		Approved
SP-040103	Update of Multimedia Priority Service WID	SA WG1	7.1.3	Approval		Approved
SP-040104	WID on USSD message delivery and transfer to USIM	SA WG1	7.1.3	Approval		Approved
SP-040105	Status report of SA5 to SA #23	SA WG5	7.5.1	Information		Noted
SP-040106	LS from SA WG5 to SA WG1 and TSG SA on Addition of Subscription Management (SuM) Definition and Abbreviation in 21.905	SA WG5	7.5.2	Information		Noted. Related CR in SP-040107
SP-040107	Rel-6 CR 21.905 (Add SuM Definition and Abbreviation)	SA WG5	7.5.3	Approval		Approved
SP-040108	2 Rel-6 CR 32.140/1 Subscription Management TS-family (32.14x and 32.17x) title alignment ('SM' becomes 'SuM' and delete 'Services operations management')	SA WG5	7.5.3	Approval		Approved
SP-040109	New Rel-6 TR 32.803-100 "Telecommunication management; Process Guide; Use Cases in Unified Modelling Language (UML)"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TR for approval.
SP-040110	Rel-6 CR 32.140 Update the use cases in Subscription Management	SA WG5	7.5.3	Approval		Approved
SP-040111	2 Rel-4/5 CR 32.102 Correction of reference to invalid TS	SA WG5	7.5.3	Approval		Approved
SP-040112	Rel-6 CR 32.102 Deletion of clauses in 32.102 that have been moved to 32.150/1/2	SA WG5	7.5.3	Approval		Approved
SP-040113	New Rel-6 TS 32.150-200: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040114	New Rel-6 TS 32.151-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040115	New Rel-6 TS 32.152-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040116	Rel-6 CR 32.421 Correction in Trace high level architecture	SA WG5	7.5.3	Approval		Approved
SP-040117	New Rel-6 TS 32.422-100: "Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040118	Rel-6 CR 32.302-510 Update Notification IRP IS for new methodology	SA WG5	7.5.3	Approval		Approved
SP-040119	6 Rel-4/5 CR 32.602/612, Rel-5/6 32.662 System Context correction	SA WG5	7.5.3	Approval		Approved
SP-040120	2 Rel-6 CR 32.111-2/4 Abort GetAlarmList	SA WG5	7.5.3	Approval		Approved
SP-040121	Rel-6 CR 32.362 EP IRP IS correction	SA WG5	7.5.3	Approval		Approved
SP-040122	New Rel-6 TS 32.331-200 "Telecommunication management; Notification log Integration Reference Point (IRP): Requirements"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040123	New Rel-6 TS 32.332-100 "Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040124	New Rel-6 TS 32.341-200 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040125	New Rel-6 TS 32.351-200 "Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040126	New Rel-6 TS 32.371-100 "Telecommunication management; Security Management Concept and Requirements"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040127	New Rel-6 TS 32.343-100 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040128	4 Rel-5/6 CR 32.622/623 Addition of missing attributes for the managementScope association	SA WG5	7.5.3	Approval		Approved
SP-040129	3 Rel-6 CR 32.641/2/3 Add enhancement for support of both FDD and TDD modes	SA WG5	7.5.3	Approval		Approved
SP-040130	2 Rel-5 CR 32.624/634 Alignment with the ISs 32.622/632	SA WG5	7.5.3	Approval		Approved
SP-040131	6 Rel-5 CR 32.615/25/35/45/55 & Rel-6 32.625 Addition of the capability to contain instances of VsDataContainer to some MOs - Alignment with the ISs 32.6x2	SA WG5	7.5.3	Approval		Approved
SP-040132	Rel-5 CR 32.644 Correction of OIDs for MOCs, packages, and attributes affected by the change of ura to uraList	SA WG5	7.5.3	Approval		Approved
SP-040133	R99 CR 32.104 Correction of XML Measurement Report File format example	SA WG5	7.5.3	Approval		Approved
SP-040134	3 Rel-4/5/6 CR 32.403 Radio link additions	SA WG5	7.5.3	Approval		Approved
SP-040135	Rel-6 CR 32.403 Iu connection release	SA WG5	7.5.3	Approval		Approved
SP-040136	New Rel-6 TS 32.413-200 "Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040137	Rel-4 CR 32.215 Correction on SGSN PLMN identifier in G-CDR	SA WG5	7.5.3	Approval		Approved
SP-040138	Rel-5 CR 32.200 Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815	SA WG5	7.5.3	Approval		Approved
SP-040139	2 Rel-4/5 CR 32.205 Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	SA WG5	7.5.3	Approval		Approved
SP-040140	New Rel-6 TS 32.250-200: "Telecommunication management; Charging management; Circuit Switched (CS) domain charging"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040141	New Rel-6 TS 32.296-100: "Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040142	New Rel-6 TS 32.297-200: "Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer"	SA WG5	7.5.3	Approval		Approved and placed under TSG SA change control (Rel-6)
SP-040143	3 Rel-5 CR 32.225 IMS Charging	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040144	New Rel-6 TS 32.260-100: "Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040145	New Rel-6 TS 32.299-100: "Telecommunication management; Charging management; Diameter charging application"	SA WG5	7.5.3	Information		Noted. WGs asked to send comments to SA5 to finalise this TS for approval.
SP-040146	Considerations for future standardisation of new mechanisms within 3GPP	NTT DoCoMo Inc.	8.9	Discussion / Decision		TD SP-040185 and TD SP-040149 considered with this. Push mechanisms to be used.
SP-040147	Overview of 3GPP Release 4 (draft)	MCC (A. Sultan)	8.7	Information		Noted. Feedback to A Sultan, MCC
SP-040148	WITHDRAWN - LS (from SA WG5) on Addition of Subscription Management (SuM) Definition and Abbreviation in 21.905	SA WG5				Included in SA WG5 submissions SP-040106 and SP-040107
SP-040149	NRPCA Conclusion for 23.976	Orange, T-Mobile, Rogers Wireless, AWS, RIM	7.2.3	Information		TD SP-040185 and TD SP-040146 considered with this. Push mechanisms to be used.
SP-040150	LS from ETSI TC-TISPAN: Request for close cooperation on future NGN Standardisation	ETSI TC-TISPAN	6.2	Action		Considered with LS in SP-040182. Noted
SP-040151	Report from SA WG3 Chairman to TSG SA#23	SA WG3 Chairman	7.3.1	Information		Noted
SP-040152	Draft Report of SA WG3 meeting #32	SA WG3 Secretary	7.3.1	Information		Noted
SP-040153	CR to 33.203 and 33.210: Addition of AES transform (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040154	CR to 33.203: Deploying TLS (sips:) for interoperation between IMS and non-IMS network (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040155	CR to 33.108: Corrections to Tables 6.2, 6.7 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040156	CR to 33.108: Corrections to Correlation Number (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040157	CR to 33.108: Correction to Identifiers (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040158	2 CRs to 33.108: Correction on the description of "initiator" in "PDP Context Modification CONTINUE Record" (Rel-5 and Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040159	CR to 33.108: Editorial Corrections (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040160	2 CRs to 33.108: Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040161	2 CRs to 33.108: Syntax error in Annex B.4 (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040162	CR to 33.108: Clarification on the use of IRI-END record in PS interception (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-040163	Draft TS 33.141 v 1.1.1 and presentation cover sheet	SA WG3	7.3.3	Information		Noted. WGs asked to provide comments to SA3
SP-040164	Draft TS 33.220 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval	SP-040175	Presentation Cover sheet updated in SP-040175.
SP-040165	Draft TS 33.221 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)
SP-040166	Draft TS 33.222 v 1.0.0 and presentation cover sheet	SA WG3	7.3.3	Information		Noted. WGs asked to provide comments to SA3
SP-040167	Draft TS 33.234 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)
SP-040168	Draft TS 33.310 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040169	Draft TR 33.817 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval		Internal 3GPP TR: Approved and placed under change control (Rel-6)
SP-040170	Draft TS 55.226 v 1.0.0 and presentation cover sheet	SA WG3	7.3.3	Information		Noted. WGs asked to provide comments to SA3
SP-040171	LS (from GSMA/IREG) on 3gppnetwork.org domain name management	GSMA/IREG	6.3	Action		Noted dealt with by CN. CN Chair to inform PCG.
SP-040172	LS (from GSMA/IREG) on 2G/3G subscriber distinction and roaming restriction	GSMA/IREG	6.3	Action		Response LS in SP-040193. CN assumptions adopted for study
SP-040173	Future work on speech recognition improvements	Vodafone	7.4.2	Discussion / Decision		Vodafone to provide WID to SA4
SP-040174	OSA High Availability	Alcatel, Lucent Technologies	7.1.3	Discussion		Related to CR in SP-040092 and LS in SP-040003. Noted
SP-040175	Draft TS 33.220 v 2.0.0 and presentation cover sheet	SA WG3	7.3.3	Approval		Approved and placed under change control (Rel-6)
SP-040176	TSG GERAN Report to TSG SA #23	TSG GERAN Chairman	8.4.1	Information		Noted
SP-040177	LS (from GSMA/IREG) on IPv4/v6 IMS roaming and interworking	GSMA/IREG	6.3	Action		IPv4 support needed. S2 to continue IPv4/4 and 6/6 wstudy. Specifications to be developed hopefully in time for Rel-6
SP-040178	CN Chair report to SA#23	TSG CN Chairman	8.1.1	Information		Noted
SP-040179	Draft Meeting Report from CN#23	TSG CN Secretary (MCC)	8.1.1	Information		Noted
SP-040180	IETF status report	TSG CN Chairman	8.1.1	Information		Noted. Dependency list to be used in Rel-priority discussions
SP-040181	LS (from TSG CN) on Collaboration between 3GPP and Liberty Alliance Project	TSG CN	8.1.2	Action		LS based on this to PCG in SP-040216
SP-040182	LS (from TSG CN) on Request for close cooperation on future NGN Standardisation	TSG CN	8.1.2	Action		Considered with LS in SP-040150. Workshop to be arranged by S2 Chairman. LS provided in SP-040192.
SP-040183	LS (from TSG CN) on PLMN selection and background scan	TSG CN	8.1.2	Action		Addressed groups asked to study this LS and attachment and provide comments and conclusions on TSG CN working assumption
SP-040184	LS (from CN WG5) on Clarifications concerning OSA High Availability discussion	CN WG5	8.1.2	Information		Noted
SP-040185	Use cases for NRPCA	Orange, T-Mobile	7.2.2	Discussion / Decision		TD SP-040146 and TD SP-040149 considered with this. Push mechanisms to be used.
SP-040186	CRs to 21.801 to make it "Release-independent" and to create a R99 version	MCC (J Meredith)	9.2	Discussion / Decision		Approved
SP-040187	LS (from GSMA WLAN TF) to 3GPP SA2 on Operator Requirements for WLAN Stage 2 Scenario 3	GSMA WLAN TF	6.3	Comment		SA1 and SA2 to check priorities. Noted.
SP-040188	Draft Report of TSG RAN meeting #23	TSG RAN Secretary	8.2.1	Information		Noted
SP-040189	Report from TSG RAN to TSG SA #23	TSG RAN Chairman	8.2.1	Information		Noted
SP-040190	Reminder for the SDOs for update of ITU-R M.1457	TSG RAN Chairman	8.2.2	Information		Endorsed for submission to PCG
SP-040191	LS to 3GPP2 (Drafting Group)	Drafting Group	6.1	Approval		Revised in SP-040212
SP-040192	LS Reply to Request for close cooperation on future NGN Standardisation	TSG SA	6.2	Approval	SP-040218	Revised in SP-040218

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040193	LS to GSMA/IREG on 2G/3G cause values	TSG SA	6.3	Approval	SP-040219	Revised in SP-040219
SP-040194	New Work Item Description (WID) form	MCC (J Meredith)	9.2	Discussion / Decision		Updated draft to be sent to the e-mail reflectors of all TSGs for comment and an updated version provided to the next TSG SA meeting
SP-040195	TSG-T#23 Progress Report	TSG T Chairman	8.3.1	Information		Noted
SP-040196	TSG-T#23 draft meeting report	TSG T Secretary	8.3.1	Information		Noted
SP-040197	CR 26.073 019 Correction of AMR DTX functionality (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-040198	CR 26.104 031-032 "Correction of floating point AMR DTX functionality" (Release 5 and Release 6)	SA WG4	7.4.3	Approval		Approved
SP-040199	Proposed revised CR to 22.127 on High Availability requirement for OSA (Rel-6)	Ericsson	7.1.3	Approval		Proposed revision to coversheet for CR in SP-040092. Approved
SP-040200	Overview of Release 1999 features	MCC (A. Sultan)	8.7	Information		Noted. Feedback to A Sultan, MCC
SP-040201	3GPP Work Plan	MCC (A. Sultan)	8.7	Information		Noted
SP-040202	3GPP Work Plan Overview	MCC (A. Sultan)	8.7	Information		Discussed and noted. Updated version in SP-040223
SP-040203	Revised CR 041 to 22.140: MMS targetting UE elements (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040204	Revised CRs to 22.246 on MBMS (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-040205	Report of MCC activities to TSG SA #23	A. Scrase (MCC)	10	Information		Noted
SP-040206	Calendar of 3GPP meetings	MCC	12	Information		Noted
SP-040207	23.271 CR186R7	SA WG2	7.2.3	Approval		Approved
SP-040208	WID on 3GPP Access Class Barring and Overload Protection	SA WG2	7.2.3	Approval		Approved
SP-040209	Response to ITU-T from SP-040020 and SP-040026	TSG SA (S Hayes)	7.2.2	Approval		Approved. ITU-T ad-hoc to forward to ITU-T
SP-040210	On 3GPP Rel 6 Work Prioritization	TeliaSonera	8.8	Discussion		Discussed with SP-040211, SP-040213 and SP-040222.Rel-6 content freezing date will be set for September 2004 (may be reviewed at next meetings)
SP-040211	On 3GPP Rel-6 Work Prioritisation	Ericsson, Nokia, Nortel, Siemens	8.8	Approval	SP-040225	Discussed with SP-040210, SP-040213 and SP-040222.Rel-6 content freezing date will be set for September 2004 (may be reviewed at next meetings). Source companies updated in SP-040225
SP-040212	Draft LS: Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	Qualcomm	6.1	Approval		Superseded by the proposal in TD SP-040226
SP-040213	Release 6 freezing dates	Alcatel, Ericsson, Nokia, Siemens, Telefonica Moviles, TIM, 3; Vodafone	8.8	Decision		Discussed with SP-040210, SP-040211 and SP-040222.Rel-6 content freezing date will be set for September 2004 (may be reviewed at next meetings)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-040214	Minutes of the Release 6 Prioritisation breakout session	Session Chairman	8.8	Action		used as a basis for discussions on SP-040210, SP-040211, SP-040213 and SP-040222
SP-040215	Release 6 freezing dates	Nortel Networks	8.8	Decision	SP-040222	Revised in SP-04022 due to problems with same named different versions
SP-040216	LS on Collaboration between 3GPP and Liberty Alliance Project	TSG SA	8.1.2	Approval	SP-040220	Revised in SP-040220
SP-040217	Proposed LS to 3GPP2 on Preferred Raoming List for 3GPP2/3GPP Mulit-mode Terminal	Nokia, Siemens, Ericsson, T-Mobile	6.1	Approval		Superseded by the proposal in TD SP-040226
SP-040218	LS Reply to Request for close cooperation on future NGN Standardisation	TSG SA	6.2	Approval		Approved
SP-040219	Reply LS on 2G/3G subscriber distinction and roaming restriction	TSG SA	6.3	Approval		Approved
SP-040220	LS on Collaboration between 3GPP and Liberty Alliance Project	TSG SA	8.1.2	Approval		Approved
SP-040221	CRs to lists of specs	MCC (J Meredith)	8.7	Information		Approved
SP-040222	Release 6 freezing dates	Nortel Networks	8.8	Decision		Discussed with SP-040210, SP-040211 and SP-040213.Rel-6 content freezing date will be set for September 2004 (may be reviewed at next meetings)
SP-040223	3GPP Work Plan Overview	MCC (A. Sultan)	8.7	Information		Noted
SP-040224	Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	TSG SA	6.1	Approval	SP-040226	Revised in SP-040226
SP-040225	On 3GPP Rel-6 Work Prioritisation	Nokia	8.8	Approval		Updated SP-040211 to change source companies.
SP-040226	LS to 3GPP2 TSG-C: Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	TSG SA	6.1	Approval		Approved

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
Dr. Selim Aissi	GSM ASSOCIATION	selim.aissi@intel.com		+01-503 264-3349	+01-503 264-1578	3GPPMARK_REP	OTHER	IE
Mr. Nicholas Alfano	RESEARCH IN MOTION LIMITED	nalfano@rim.com	+1 604 318 3347	+1 604 739 1016	+1 604 739 9803	3GPPMEMBER	ETSI	CA
Mr. Andrew Allen	RESEARCH IN MOTION LIMITED	aallen@rim.net		+1 847 809 8636		3GPPMEMBER	ETSI	CA
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. Anders Askerup	HEWLETT-PACKARD	Anders.Askerup@hp.com		+1-402-384-7303	+1-402-384-7030	3GPPMEMBER	ETSI	FR
Mr. Atul Asthana	RESEARCH IN MOTION LIMITED	aasthana@rim.net		+015198887465x2866	+01519 883 4966	3GPPMEMBER	ETSI	CA
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
Mr. Nils Böjeryd	TIETO ENATOR TECHNICAL CONS.	nils.bojeryd@tietoenator.com		+46 54 29 43 77	+46 54 29 40 01	3GPPMEMBER	ETSI	SE
Mrs. Brye Bonner	MOTOROLA SEMICONDUCTOR ISRAEL	brye.bonner@motorola.com		+1 847.576.5920	+1.847.538.5564	3GPPMEMBER	ETSI	IL
Mr. Andrea Calvi	TELECOM ITALIA S.P.A.	andrea.calvi@telecomitalia.it		+39 011 228 7287	+39 011 228 7056	3GPPMEMBER	ETSI	IT
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. Chris Cavigioli	SYNOPSYS GMBH	chris-c@attglobal.net	+49 172 705 20 26	+41 91 612 47 00	+41 91 612 47 01 Fax	3GPPWITHDRAW	ETSI	DE
Dr. Asok Chatterjee	ERICSSON INC.	asok.chatterjee@ericsson.com		+1 925 737 5849	+1 925 225 0666	3GPPMEMBER	T1	US
Mr. Hyung Joon Cho	TTA	hjcho@sktelecom.com	+82-11 293 3812	+82-31 710 5235	+82-31 710 5299	3GPPORG_REP	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	SFR	pascal.correc@sfr.com	+33610054369	+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 24 99	3GPPMEMBER	ETSI	FR
Mr. Alan Cox	VODAFONE GROUP PLC	alan.cox@vodafone.com	+44 77 85 200 147	+44 1635 673 332	+44 1635 676 147	3GPPMEMBER	ETSI	GB
Mr. Bryan Curley	GSM ASSOCIATION	bcurley@gsm.org	+353 87 2492333	+353 87 2492333	+353 87 52492333	3GPPMARK_REP	OTHER	IE
Mr. Brian K. Daly	AT&T WIRELESS SERVICES, INC.	brian.daly@attws.com	+1 480 205 1284	+1 425 580 6873	+1 425 580 6811	3GPPMEMBER	T1	US
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. Martin Dietz	CODING TECHNOLOGIES	diz@codingtechnologies.com		+49 911 928 91-10	+49 911 928 9199	3GPPMEMBER	ETSI	DE
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

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
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	+1 202 877 0597	+1 972 894 5525	3GPPMEMBER	T1	US
Mr. Jan Elling	DANSK MOBILTELEFON I/S	jae@sonofon.dk	+45 72127246	+45 72127246	+45 72127070	3GPPMEMBER	ETSI	DK
Mr. Jan Ellsberger	NANJING ERICSSON PANDA COM LTD	jan.ellsberger@ericsson.com		+46 8 508 77965	+46 8 508 77 300	3GPPMEMBER	CCSA	CN
Mr. Frank Engmann	ALCATEL S.A.	FEngmann@alcatel.de	+49 175 7268614	+4971182137673	+4971182137209	3GPPMEMBER	ETSI	FR
Mr. Denis Fauconnier	NORTEL NETWORKS	dfauconn@nortelnetworks.com	+33 06 64 04 35 29	+33 1 39 44 52 87	+33 1 39 44 50 12	3GPPMEMBER	T1	US
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 TECHNOLOGIES (UK) LTD	y-furuya@bl.jp.nec.com		+81-3-3798-5235	+81-3-3798-8957	3GPPMEMBER	ETSI	GB
Mr. James Garrahan	TELCORDIA TECHNOLOGIES INC.	jgarraha@telcordia.com		+1 732 758 5227	+1 732 758 4450	3GPPMEMBER	T1	US
Ms. Nathalie Goudard	WAVECOM	nathalie.goudard@wavecom.fr		+33 1 46 29 56 28	+33 1 46 29 40 55	3GPPMEMBER	ETSI	FR
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. 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. Fumihiko Hada	ARIB	f-hada@arib.or.jp		+81-3-5510-8594	+81-3-3592-1103	3GPPORG_REP	ARIB	JP
Mr. Markus Hakaste	NOKIA CORPORATION	markus.hakaste@nokia.com	+358 40 580 8968	+358 7180 36419	+358 7180 30040	3GPPMEMBER	ETSI	FI
Mr. Magnus Hartman	NORTHSTREAM AB	magnus.hartman@northstream.se		+46 706475551	+46 8754 00 02	3GPPMEMBER	ETSI	SE
Mr. Hans Hauser	T-MOBILE DEUTSCHLAND	hans.hauser@t-mobile.de	+ 49 171 549 0399	+49 228 936 17493	+49 228 936 887121	3GPPMEMBER	ETSI	DE
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. 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	FRANCE TELECOM	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
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	+1 703 981 3357	+44 181 477 2839	+44 181 477 2895	3GPPMEMBER	T1	US
Mr. Mikko Kanerva	NOKIA CORPORATION	mikko.j.kanerva@nokia.com	+358 40 504 0735	+358 40 504 0735	+358 7180 30204	3GPPMEMBER	ETSI	FI
Mr. Byung Gon Kim	SK TELECOM	bkkim@sktelecom.com	+82 11 790 4612	+82 31 6710 4441		3GPPMEMBER	TTA	KR
Mr. Ho Cheol Kim	KT FREETEL CO., LTD.	Hocheol@ktf.com	+82-10-3010-0803	+82-2-2010-0803	+82-2-2010-0096	3GPPMEMBER	TTA	KR
Dr. Myeong-Cheol Kim	LG ELECTRONICS INC.	cheolkim@lge.com		+49 2154 492 280		3GPPMEMBER	TTA	KR
Mr. Norbert Klehn	SIEMENS AG	norbert.klehn@siemens.com	+49 171 3340782	+49 30 386 29090	+49 30 386 25548	3GPPMEMBER	ETSI	DE
Mr. Takashi Koshimizu	NTT DOCOMO	koshimizu@docomolab-euro.com		+4989-56824-107	+4989-5898-8460	3GPPMEMBER	ETSI	JP
Mr. Meik Kottkamp	SIEMENS AG	meik.kottkamp@siemens.com	+49 172 854 7553	+49 89 722 42862	+49 89 722 37078	3GPPMEMBER	ETSI	DE
Dr. Leo Lehmann	OFCOM	Leo.Lehmann@bakom.admin.ch	+41793909443	+41 32 327 5752	+41 32 327 55 28	3GPPMEMBER	ETSI	CH
Dr. Bengt-Ake Lindholm	TELIASONERA AB	bengt-ake.lindholm@teliasonera.com	+46 70 6555266	+46 8 6011700		3GPPMEMBER	ETSI	SE
Dr. Hashem Madadi	3	hmadadi@attglobal.net	+44 777 332 9576	+44.1628.765.000	+44.1628.765.001	3GPPMEMBER	ETSI	GB
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
Mr. Mark Montz	HEWLETT-PACKARD	mark.montz@hp.com	+1 402 321 4170	+1 402 384 7283	+1 402 384 7080	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@vodafone.com	+44 7919555744	+44 1635685834	+44 1635238176	3GPPMEMBER	ETSI	GB
Dr. Valtteri Niemi	NOKIA CORPORATION	valtteri.niemi@nokia.com		+358504837327	+358718036850	3GPPMEMBER	ETSI	FI

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Klaus Nieminen	FICORA	klaus.nieminen@ficora.fi		+358 9 6966 634	+358 9 6966 873	3GPPMEMBER	ETSI	FI
Mr. Akishige Noda	FUJITSU LABORATORIES OF EUROPE	aki.noda@jp.fujitsu.com		+81 44 75 85 11	+81 44 754 8540	3GPPMEMBER	ETSI	GB
Mr. Kazuo Nogami	TOSHIBA CORPORATION	kazuo1.nogami@toshiba.co.jp	+81-428-34-5147	+81 428 34 1651	+81 428 30 7386	3GPPMEMBER	ARIB	JP
Mr. Peter Oldfield	AT&T CORP.	poldfiel@rci.rogers.com		+4169356030	+4169357502	3GPPMEMBER	T1	US
Mr. Magnus Olsson	ERICSSON LM	magnus.m.olsson@ericsson.com	+46 70 576 1918	+46 8 585 31454		3GPPMEMBER	ETSI	SE
Mr. Toru Owai	NEC CORPORATION	t-owai@ah.jp.nec.com		+81-3-3798-8956	+81-3-3798-8957	3GPPMEMBER	TTC	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. David Pearce	MOTOROLA LTD	bdp003@motorola.com		+44 1256 484 436	+44 1256 471 383	3GPPMEMBER	ETSI	GB
Mr. Sakari Pelkonen	FLEXTRONICS	sakari.pelkonen@fi.flextronics.com	+358 40 7687 951	+358 30 622 2203	+358 30 6222 501	3GPPMEMBER	ETSI	FI
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 JAPAN CO, LTD	hannu.i.pirila@nokia.com	+358 530 131040	+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	ARIB	JP
Mr. Heinz Polsterer	T-MOBILE AUSTRIA	heinz.polsterer@t-mobile.at	+43 676 345 6307	+43 1 79585 6307	+43 1 79585 6548	3GPPMEMBER	ETSI	AT
Mr. Maurice Pope	ETSI SECRETARIAT	maurice.pope@etsi.org	+33 (0)6 07 59 08 49	+33 4 92 94 42 59	+33 4 92 38 52 59	3GPPORG_REP	ETSI	FR
Mr. Magnus Qvarnström	SWISSCOM	magnus.qvarnstroem@swisscom.com		+41 31 342 1111	+41 31 892 36 62	3GPPMEMBER	ETSI	CH
Mr. Johannes Rainer	ÖFEG	Johannes.Rainer@oefeg.at		+43 1 797 8062	+43 1 797 8013	3GPPMEMBER	ETSI	AT
Mr. Rauli Rautavuori	ELISA CORPORATION	rauli.rautavuori@elisa.fi		+358 102 622 871	+358 102 624 839	3GPPMEMBER	ETSI	FI
Mr. Jean Gabriel Remy	SFR	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. Derek Richards	IPWIRELESS INC.	drichards@ipwirelesscom		+441249467344	+441249467186	3GPPMEMBER	ETSI	GB
Mr. Rhys Robinson	TRUEPOSITION INC.	rrobinson@TruePosition.com	+1 610-209-0832	+1 610-680-2119	+1 610-680-1199	3GPPMEMBER	ETSI	US
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. Chris Sachno	NTT DOCOMO INC.	c.masyu@nttdocomo.co.jp	+81 90 3340 7342	+81 46 840 3570	+81 46 840 3830	3GPPMEMBER	TTC	JP
Mr. Hiroshi Saito	PANASONIC MOBILE COMM.	Saito.Hiro@jp.panasonic.com		+81 468 40 5440	+81 468 40 5183	3GPPMEMBER	ARIB	JP
Mr. Krister Sällberg	NIPPON ERICSSON K.K.	krister.sallberg@ericsson.com	+46 706 845 765	+46 46 19 34 51	+46 46 23 16 50	3GPPMEMBER	ARIB	JP
Mr. Kazuyoshi Sato	MITSUBISHI ELECTRIC CO.	Kazuyoshi.Sato@hq.melco.co.jp		+81 3 6221 6179	+81 3 6221 2779	3GPPMEMBER	ARIB	JP
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 GERMANY GMBH	simmonsp@nortelnetworks.com	+33 6 6404 38 68	+33 1 39 44 55 95	+33 1 39 44 52 52	3GPPMEMBER	ETSI	DE
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 6 74 40 83 70	+33 4 92 94 42 71	+33 4 93 65 28 17	3GPPORG_REP	ETSI	FR
Mr. Jonas Sundborg	ERICSSON KOREA	jonas.sundborg@ericsson.com	+46 70 674 8035	+46 8 404 8035	+46 70 616 8035	3GPPMEMBER	TTA	KR
Mr. Denis Susko	CETECOM GMBH	denis.susko@cetecom.de	+49 163 204 5631	+49 2054 9519 947	+49 2054 9519 86	3GPPMEMBER	ETSI	DE
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	T1	US
Mr. Michael Truss	MOTOROLA LTD	Michael.Truss@motorola.com		+353 21 4511 327	+353 21 4357 635	3GPPMEMBER	ETSI	GB
Mr. Paolino Usai	TELECOM ITALIA S.P.A.	paolo.usai@etsi.org	+336 74 40 83 73	+33 4 92 94 42 36	+33 4 92 38 52 06	3GPPMEMBER	ETSI	IT
Mr. Hans van der Veen	TELECOM MODUS 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	FLEXTRONICS	veijo.vanttinen@microcell.fi		+358 50 3731514	+358 30 6224481	3GPPMEMBER	ETSI	FI
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

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Dr. David Hugh Williams	QUALCOMM EUROPE S.A.R.L.	dwilliams@qualcomm.com	+34 676888947	+34 952 578150		3GPPMEMBER	ETSI	FR
Ms. Emmanuelle Wurffel	ETSI SECRETARIAT	emmanuelle.wurffel@etsi.org		+33 4 92 94 42 66	+33 4 92 38 52 66	3GPPORG_REP	ETSI	FR
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	ydhyon@samsung.com		+82-31-279-5307	+82-31-279-5515	3GPPMEMBER	ETSI	GB
Mr. Sang-Ui Yoon	ETSI SECRETARIAT	Sang-Ui.Yoon@etsi.org	+ 33 6 74 40 83 69	+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
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. 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

126 Participants

C.2 List of eligible Voting members for TSG SA#24

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #21 or #20 (representation of an Individual Member at any of TSG SA Meetings #21, #22 or #23).

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

List Created on: 01 April 2004

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #23**
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 Corp.	3GPPMEMBER - T1	US
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
Axalto, Schlumberger Systèmes S.A.	3GPPMEMBER - ETSI	FR
BT Group Plc	3GPPMEMBER - ETSI	GB
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CCSA	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Electronics & Telecommunications Research Institute	3GPPMEMBER - TTA	KR
Elisa Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
Flextronics, GSM Division, ODM Products Group	3GPPMEMBER - ETSI	FI
France Telecom	3GPPMEMBER - ETSI	FR
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS S.A.	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
Hewlett-Packard, Centre de Compétences France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CCSA	CN
IBM EUROPE	3GPPMEMBER - ETSI	DE
IPWireless Inc.	3GPPMEMBER - ETSI	GB
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
KT Freetel Co., Ltd.	3GPPMEMBER - TTA	KR
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MELCO MOBILE COMMUNICATIONS EUROPE S.A.	3GPPMEMBER - ETSI	FR
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER - ETSI	IL
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
NANJING ERICSSON PANDA COMMUNICATIONS LTD	3GPPMEMBER - CCSA	CN
National Communications System (NCS)	3GPPMEMBER - T1	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB

Organisation Name	Organisation Status	Country
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
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 (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - T1	US
Nortel Networks Germany GmbH & Co. KG	3GPPMEMBER - ETSI	DE
Northstream AB	3GPPMEMBER - ETSI	SE
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
OFCOM	3GPPMEMBER - ETSI	CH
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs-Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE SA	3GPPMEMBER - ETSI	FR
Panasonic Mobile Communication Development of Europe Limited (PMCDE)	3GPPMEMBER - ETSI	GB
Panasonic Mobile Communications Co.,Ltd.	3GPPMEMBER - ARIB	JP
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CCSA	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - T1	US
SFR	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
Siemens nv/sa	3GPPMEMBER - ETSI	BE
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
Sony Ericsson Mobile Communications Japan, Inc	3GPPMEMBER - ARIB	JP
SWISSCOM SA	3GPPMEMBER - ETSI	CH
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - T1	US
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telecom Modus Limited	3GPPMEMBER - ETSI	GB
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
TeliaSonera AB	3GPPMEMBER - ETSI	SE
Tieto Enator Technical Conssultants AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
UTStarcom, Inc	3GPPMEMBER - ETSI	US
VIPnet d.o.o	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB
WAVECOM SA	3GPPMEMBER - ETSI	FR

Total: 106 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #23

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

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	TSG#10:8.1.0
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	#32:8.1.0
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	.
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11 .
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.1.1	R99	G1	CARRIZO MARTINEZ, Jose Luis	2003-10-09: Converted from TR to TS. GERAN#2: 8.0.0
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	.
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.11.0	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	TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.8.0	R99	S2	BROOK, Richard	Need identified at TSG#7, since 23.171 does not cover GSM.
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073. SP-16: 23.073 reverts to GERAN-only.
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	#31: 8.0.0
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!) #29: 8.0.0 but this should not have been created! (24.008 instead). NP-13: 04.09 R99 reinstated until all references corrected (= never!). 2002-02-18: To be withdrawn at NP-15!
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	Replaces 24.012 R99.
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	#31: 8.0.0
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	8.21.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	#29: 8.0.0 TSG#8:8.1.0 TSG#9:8.2.0 TSG#10:8.3.0
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.12.0	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	#31: 8.0.0
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.22.0	R99	G2	HOWELL, Andrew	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	DOIG, Ian	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.8.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.11.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.7.0	R99	G1	SÉBIRE, Benoist	#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#2:8.6.0
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.16.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.19.0	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	#30: 8.0.0 #31:8.1.0 #31b:8.2.0
TS	05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	8.0.1	R99	G1	USAI, Paolino	.
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	.
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	.
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	.
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	.
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	.
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	.
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	.
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	.
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	#32:8.1.0 TSG#10:8.2.0
TS	06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	.
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	#32:8.0.0 TSG#11:8.1.0
TR	06.78	Results of the AMR noise suppression selection phase	8.0.1	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	.
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	.
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.15.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.11.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	.
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0 GERAN#2:8.6.0
TS	08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1. .
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30 .
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	.
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	#31: 8.0.0 TSG#10:8.1.0
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.6.0	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. #32:closed. #32:8.2.0 GP-06: Rel-4 serves all releases. GP-06: reopened and reclosed!
TS	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.7.0	R99	T3	SALMERON, Lidia	TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases. TP-20: accepted by T3 (from G4). May 00: R99 not anticipated. TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.12.0	R99	T3	GUTHERY, Scott B.	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.1	R99	T3	LLOBREGAT, Fernando	No work on R99! TP-14: Resurrected as identical copy of R98 v7.4.1.
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.16.0	R99	T3	WOODSEND, Kristian	TP-11to be :withdrawn at TP-12, subsumed in 31.111; however, CR approved at TP-12, so assume not yet withdrawn!
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	May 00: R99 not anticipated. TP-18: R99 created.
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.9.0	R99	G1	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G1	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G1	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur. GP-09 (Usai) created to fill the Release gap.
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain. TSG#8:8.0.0 (2.0.1) TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	3.13.0	R99	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications".
TS	21.111	USIM and IC card requirements	3.4.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	.
TR	21.801	Specification drafting rules	3.0.0	R99	SP	MEREDITH, John M	Created from Rel-5 at SP-23. Previous Releases were originally covered by ETSI drafting rules. No intention to propagate "21.801" further back than R99.
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7. TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0
TR	21.900	Technical Specification Group working methods	3.7.0	R99	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.904	User Equipment (UE) capability requirements	3.5.0	R99	T2	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. TSG#7: 2.0.0, but not approved. Number changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.011	Service accessibility	3.8.0	R99	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 02.31 R99.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). SP-16: Takes over from 02.32 R99.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.4.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 CR to 3.0.1 not aprvd.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1". .
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	3.5.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.9.0	R99	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.2	R99	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Transfer>TSG#6; Anticipate that v3.y.z will be withdrawn. Apr2001: Unwithdrawn. August 2001: still debating whether this is GSM-only or common.
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DEOL, Amar	Transfer>TSG#4
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	ZARRI, Michele	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.101	Service aspects; Service principles	3.17.0	R99	S1	DEOL, Amar	
TS	22.105	Services and service capabilities	3.10.0	R99	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	3.4.0	R99	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	MEYER, Juergen	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	SCARRONE, Enrico	.
TR	22.975	Advanced addressing	3.1.0	R99	S1	WATSON, John	.
TS	23.002	Network architecture	3.6.0	R99	S2	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 ???? .
TS	23.015	Technical realization of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	3.10.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 03.31 R99.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1		
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). SP-16: takes over from 03,35 R99.
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.10.0	R99	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3.
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	2001-01-23: test vectors provided = same file as for 03.42 v7.1.1.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.16.0	R99	S2	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	3.19.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5 Phase 3. TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00.
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 Transfer>TSG#6.
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	3.2.0	R99	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5 Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99
TS	23.121	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.10.0	R99	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); 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)	3.11.0	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 TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	.
TR	23.910	Circuit switched data bearer services	3.6.0	R99	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	.
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	.
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	July 2001: (Sultan) contents out of date. Replaced by 23.228.
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	.
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	New after TSG#5. Minor title change TSG#7.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	3.18.0	R99	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.5.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. TSG#7:Decision to create.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.1	R99	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	.
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	.
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	3.17.0	R99	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	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)	3.17.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	3.13.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base Station (BS) conformance testing (TDD)	3.13.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	GERSTENBERGER, Dirk	

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TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	3.9.0	R99	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	3.12.0	R99	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	3.13.0	R99	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	3.12.0	R99	R1	CZAPLA, Liliana	
TS	25.301	Radio Interface Protocol Architecture	3.11.0	R99	R2	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	3.14.0	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. Converted from TR 25.926 v3.2.0 Nov 00.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.3.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	3.16.0	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	3.18.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	R99	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	3.5.0	R99	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	3.14.0	R99	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.11.0	R99	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	R99	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	3.6.1	R99	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.14.0	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	

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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) 2003-11-28: WG Chairman intends that this be brought under change control at RP-22.
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. TSG#10:3.0.0 (is evidently R99 not Rel-4)
TR	25.921	Guidelines and principles for protocol description and error handling	3.10.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.8.0	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	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4 .
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.5.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards. No Rel-4 version. Became 26.115.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM. was 26.075;
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.14.0	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	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	TSG#8:3.1.0 but this CR not impementable.
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	.
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	.
TS	29.002	Mobile Application Part (MAP) specification	3.19.0	R99	N4	WIEHE, Ulrich	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.14.0	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)	3.12.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	.
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4 .
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	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	3.19.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	3.14.0	R99	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	3.15.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4 Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	OSA subgroup
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221. TP-09: txferred from T2 to ETSI SCP as TR 102 221. So removed from 3gpp spec list. Sanders, May 2001: no, not withdrawn. So re-instated.
TS	31.102	Characteristics of the USIM application	3.16.0	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)	3.12.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP TP-11:moved to ETSI-SCP. TP-12: reinstated.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	3.8.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.7.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.005	Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain	3.7.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.015	Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain	3.12.0	R99	S5	ALEXANDER, Benni	2004-03-29:S5 Project Manager: title changed from "charging and billing" to align with later Releases.
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	Telecommunication management; 3G Performance Management	3.7.0	R99	S5	HÜBINETTE, Ulf	
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts SP-08: multipart split from parent 3.0.1
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP): Information model (including Network Resource Model (NRM)	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.4.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	3.2.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts TSG#8: multipart split from parent 3.0.1
TS	33.102	3G security; Security architecture	3.13.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	.
TS	33.107	3G security; Lawful interception architecture and functions	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	.
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049 Formerly 33.904.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.15.0	R99	T1	CHALABI, Nouhman	TSG#8:aprvl is controversial. TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.9.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SULTAN, Alain	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	TSG#8: aprvl target postponed to end-00;TP-000137 TSG#9:2.0.0->3.1.0 (no 3.0.0 to keep in step with part 1).
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	3.5.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	3.0.0	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901. 2002-09-26: Anticipate approval at TP-18.
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	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	2002-04-15: T3 reported to be still thinking about whether or not to create a Rel-5 version. TP-16: decided to upgrade to Rel-5.
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.4.0	Rel-4	SP	MEREDITH, John M	Formal doc created after TSG#7. (Was briefly 21.200)
TR	21.900	Technical Specification Group working methods	4.1.0	Rel-4	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	4.5.0	Rel-4	S1	ZARRI, Michele	Absorbs 01.04.
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	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	IBIDUN, Kunle	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4 TSG#8: CR proposed creation, but not aprvd.
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.1.0	Rel-4	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 42.031 Rel-4.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). SP-16: Takes over from 42.032 Rel-4.
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.3.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WATSON, John	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	4.2.1	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048. .
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.4.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.6.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	HECHWARTNER, Roland	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	IBIDUN, Kunle	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	BLOMSTRAND, Ola	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.1.0	Rel-4	S1	ACHTER, Johannes	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	IGNATIUS, Jan	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.1.0	Rel-4	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. Apr2001: V3 unwithdrawn, so Rel-4 version produced.
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.1.0	Rel-4	S1	DEOL, Amar	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.10.0	Rel-4	S1	DEOL, Amar	based on 3.9.0

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	ZARRI, Michele	
TS	22.115	Service Aspects Charging and billing	4.1.0	Rel-4	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	MEYER, Juergen	(development in T2) based on 3.0.0
TS	23.002	Network architecture	4.8.0	Rel-4	S2	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	4.4.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 43.031 Rel-4.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1		
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards). SP-16: takes over from 43.035 Rel-4
TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	based on 3.3.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.8.0	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.
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	4.11.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5 Phase 3.
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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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. 2002-02-26: Hietalahti proposes to withdraw, no further interest, unmaintained. 2002-04-15: N1-23 decision to continue to Rel-5. 2002-06-27: (Jorgensen) if R99 and Rel-5 exist, so musts Rel-4, so re-instated.
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.4.0	Rel-4	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features.
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); 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	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"!
TS	23.153	Out of Band Transcoder Control; Stage 2	4.9.0	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	4.11.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. post-TSG#8: Recombined Rel99 2G and 3G specs (respectively 03.71 and 23.171).
TR	23.873	Feasibility study for transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
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	

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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	4.13.0	Rel-4	N1	HOWELL, Andrew	
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.1.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	4.11.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA repeater radio transmission and reception	4.7.0	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)	4.12.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.12.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base Station (BS) conformance testing (FDD)	4.8.0	Rel-4	R4	NAKAMURA, Takaharu	

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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 Was to have been 25.107. But never was.
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	GERSTENBERGER, Dirk	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	PARKVALL, Stefan	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	MICHEL, Jürgen	
TS	25.213	Spreading and modulation (FDD)	4.4.0	Rel-4	R1	WILLENEGGER, Serge	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	BOUMENDIL, Sarah	
TS	25.215	Physical layer; Measurements (FDD)	4.7.0	Rel-4	R1	SUZUKI, Hidetoshi	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	CHAPMAN, Thomas	
TS	25.222	Multiplexing and channel coding (TDD)	4.7.0	Rel-4	R1	BEALE, Martin	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	ANDERSON, Nicholas	
TS	25.224	Physical layer procedures (TDD)	4.10.0	Rel-4	R1	RUDOLF, Marian	
TS	25.225	Physical layer; Measurements (TDD)	4.8.0	Rel-4	R1	CZAPLA, Liliana	
TS	25.301	Radio Interface Protocol Architecture	4.4.0	Rel-4	R2	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	4.8.0	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	4.3.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.321	Medium Access Control (MAC) protocol specification	4.9.0	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	4.13.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	GODIN, Philippe	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	KUNZ, Walter	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	Rel-4	R3	DIESEN, Michael	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	4.1.0	Rel-4	R3	KUNZ, Walter	
TS	25.412	UTRAN Iu interface signalling transport	4.1.0	Rel-4	R3	NG, Cheng Hock	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.12.0	Rel-4	R3	GUYOT, Olivier	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	ISRAELSSON, Martin	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.10.0	Rel-4	R3	MCWILLIAMS, Brendan	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	KUNZ, Walter	
TS	25.422	UTRAN Iur interface signalling transport	4.2.0	Rel-4	R3	PALAT, Sudeep	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.12.0	Rel-4	R3	ERICSSON, Ingela	

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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	4.12.0	Rel-4	R3	SEHEDIC, Yann	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	LAVASANI, Shahab	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.6.0	Rel-4	R3	STOJANOVSKI, Saso	
TS	25.442	UTRAN implementation-specific O&M transport	4.0.0	Rel-4	R3	HAUSER, Alexander	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	RP-15: No upgrade to Rel-5.
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	RP-15: Not to be promoted to Rel-5.
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	RP-15: Not to be promoted to Rel-5.
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	RP-15: No upgrade to Rel-5.
TR	25.840	Terminal power saving features	4.0.0	Rel-4	R1	SASAKI, Tsukasa	RP-15: Not to be promoted to Rel-5. 2003-11-28: WG Chairman indicates that the doc is contentious, and cannot easily be brought under change control. RP-22: Neverthless, brought under change control; no further work envisaged.
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	RP-15: Not to be promoted to Rel-5.
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	RP-15: Not to be promoted to Rel-5.
TR	25.844	Radio acces bearer support enhancements	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	RP-15: Not to be promoted to Rel-5.
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	RP-15: Not to be promoted to Rel-5.
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	RP-15: Not to be promoted to Rel-5.
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	RP-15: No upgrade to Rel-5.
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	RP-15: No upgrade to Rel-5.
TR	25.851	RAB Quality of Service (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	RP-15: No upgrade to Rel-5.
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	VON BRANDT, Armin	Was 25.932. Approved and renumbered at TSG#10. RP-15: No upgrade to Rel-5.
TR	25.921	Guidelines and principles for protocol description and error handling	4.7.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.3.0	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. RP-15: Not to be promoted to Rel-5.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.935	RRM optimisation	4.1.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	RP-15: No upgrade to Rel-5.
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	RP-15: Not to be promoted to Rel-5.
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	RP-15: No upgrade to Rel-5.
TR	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04) RP-15: Not to be promoted to Rel-5.

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TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service (QoS) Negotiation over Iu	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	RP-15: Not to be promoted to Rel-5.
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	RP-15: No upgrade to Rel-5.
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	RP-15: No upgrade to Rel-5.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.5.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	Derived from 26.914 R99.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.2.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.3.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.2.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	2002-06-18: not useful to upgrade to Rel-5?
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 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	BOSWARTHICK, David	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	TP-15: Not to be promoted to Rel-5.
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4 TSG#11: Usai: may need 48.062. Later, no: applies to 3G too.
TS	29.002	Mobile Application Part (MAP) specification	4.14.0	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)	4.8.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	Rel-4	N1	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	4.11.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	4.9.0	Rel-4	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4 Phase 3
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
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	4.3.4	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	4.12.0	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	4.7.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.5.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	4.6.0	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 (SS)	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.6.0	Rel-4	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.5.0	Rel-4	S5	GOERMER, Gerald	Had been indicated as approved at SP-12, but this was erroneous.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.7.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.7.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.6.0	Rel-4	S5	GOERMER, Gerald	.
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars) .
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	4.2.0	Rel-4	S5	TSE, Edwin	was 32.301-2 .
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.5.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-3 .

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 (SS)	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	4.1.0	Rel-4	S5	TSE, Edwin	was 32.112-2 .
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.3.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars) .
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.6.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	4.3.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3 .
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4 .
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	4.6.0	Rel-4	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.4.0	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 (SS)	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3 .
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.5.0	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 (SS)	4.3.0	Rel-4	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1 .
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.5.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2 .
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	4.2.0	Rel-4	S5	RAYMER, David	was 32.623-3 .

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 (SS)	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4 .
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	.
TS	33.102	3G security; Security architecture	4.5.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	SP-15: Not to be promoted to Rel-5.
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	SP-15: Not to be promoted to Rel-5.
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-15: Not to be promoted to Rel-5.
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	SP-15: Not to be promoted to Rel-5.
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	SP-15: Not to be promoted to Rel-5.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049 SP-15: Not to be promoted to Rel-5.
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10. SP-15: Not to be promoted to Rel-5.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.10.0	Rel-4	T1	CHALABI, Nouhman	TP-23: medium-term intention is to make the spec Release-independent, all earlier Releases simply point to latest.
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.5.0	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. TSG#11:changed to Rel-4.

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 TSG#11:changed to Rel-4
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:changed to Rel-4
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE TSG#11:Formerly 35.209 Rel-99 (but never made available)
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	SP-15: Not to be promoted to Rel-5.
TS	41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.10.0	Rel-4	SP	MEREDITH, John M	.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	SP-15: Not to be promoted to Rel-5.
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240. .
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	POIRAUD, Patrick	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.2.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.3.0	Rel-4	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.5.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.4.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service. .
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.1.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012) TSG#11: Replaces 24.012 for Rel-4 on.
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	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	4.16.0	Rel-4	G2	HOWELL, Andrew	#32:9.0.0 MCC-converted Aug00:
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.8.0	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	4.15.0	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	

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical layer on the radio path; General description	4.3.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and multiple access on the radio path	4.8.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.13.0	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	4.6.0	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. #32:9.0.0 MCC-converted Aug00:4.0.1
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.7.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.8.0	Rel-4	G3new	HU, Shicheng	2001-11-19: G4->G5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.11.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application". TP-14: At TP-11 it was decided that there would be no need for a Rel-5 version, since by then all terminals will handle a common USIM. But the question still seems to be open. TP-14: settled: there WILL be a Rel-5! TP-16: Rel-5 version withdrawn!
TS	51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	4.1.0	Rel-4	T3	LLOBREGAT, Fernando	TP-15: New WI approved in TP-020029.
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	RP-11: TSG-T agreed not to have a rel-4 version. The 3G equivalent (31.111) will be upgraded to include a GSM-only annex. TP-18: This spec resurrected, based on ETSI TS 102 223 Rel-4 (via a CR to 11.14 R99).
TS	51.021	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	ANDERSEN, Niels Peter Skov	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402. .

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

Type	Number	Title	Ver at TSG#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 Created belatedly when R99 version was reinstated after TP-12. Anticipate document at TP-13.
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts 2003-07-15 (Dietze): will not progress to Rel-5, since no SIM device beyond Rel-4.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	.
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	T3	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. TP-20: transferred to T3 (for when Rel-4 appears!). 2003-07-15: Unwithdrawn - see comments against Rel-4. TP-17: Withdrawn, because doc was in fact R99, not Rel-4. 2003-07-15: Dietze indicates that Rel-4 will eventually be produced, so this Release reinstated (though existing so-called draft v0.0.1 is still scrapped).

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	5.6.0	Rel-5	SP	MEREDITH, John M	2003-05: Title changed from "3rd Generation mobile system Release 1999 Specifications". .
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	.
TR	21.801	Specification drafting rules	5.1.0	Rel-5	SP	MEREDITH, John M	.
TR	21.900	Technical Specification Group working methods	5.1.0	Rel-5	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.
TR	21.905	Vocabulary for 3GPP Specifications	5.8.0	Rel-5	S1	ZARRI, Michele	.
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	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4 .
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4 .
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4,CR at TSG#5 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031. Created from 42.031 Rel-5.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards). .
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.4.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WATSON, John	Transfer>TSG#4 .
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	5.0.0	Rel-5	T3	BARNES, Nigel	TP-12: was previously 42.048. .
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4. .
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.1.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	5.4.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	Transfer>TSG#4 .
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.13.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	BLOMSTRAND, Ola	Transfer>TSG#4 .
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	ACHTER, Johannes	Transfer>TSG#4 .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.101	Service aspects; Service principles	5.13.0	Rel-5	S1	DEOL, Amar	
TS	22.105	Services and service capabilities	5.2.0	Rel-5	S1	ZARRI, Michele	.
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	.
TS	22.115	Service Aspects Charging and billing	5.4.0	Rel-5	S1	SCARRONE, Enrico	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	ZARRI, Michele	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	.
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	.
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	MEYER, Juergen	(development in T2) .
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	CLAYTON, Michael	SP-16: to "GERAN" set. WI approved TSG#7

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	Clayton 2000-10-16: Rel-5 confirmed.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WATSON, John	.
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	BARNES, Nigel	.
TS	23.002	Network architecture	5.12.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, addressing and identification	5.9.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	5.1.0	Rel-5	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	5.7.0	Rel-5	N4	BAUER, Rolf	.
TS	23.009	Handover procedures	5.8.0	Rel-5	N1	FARHOUMAND, Rouzbeh	.
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	.
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ???? .
TS	23.015	Technical realization of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.016	Subscriber data management; Stage 2	5.3.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	5.9.0	Rel-5	N4	PARK, Ian David Chalmers	.
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031. Created from 43.031 Rel-5.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility? .
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1		.
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)	5.7.0	Rel-5	T2	HARRIS, Ian	2003-12-03: Note that this spec also contains stage 3. .
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.2.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4 .
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	.
TS	23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	5.8.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048, .
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft. .
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title. .
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.8.0	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	5.7.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5 Phase 4.
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	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5 .
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5 .
TS	23.101	General UMTS Architecture	5.0.1	Rel-5	S2	OLSSON, Magnus	.
TS	23.107	Quality of Service (QoS) concept and architecture	5.12.0	Rel-5	S2	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. 2002-04-15: N1-23 decision to continue to Rel-5.
TS	23.110	UMTS Access Stratum Services and Functions	5.0.0	Rel-5	S2	LOPEZ-TORRES, Oscar	.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5 .
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5 .
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.3.0	Rel-5	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); 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	5.10.0	Rel-5	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. 2002-01-25: WAP forum elements will not be ready in time for Rel-5, so suspend SDO publication till it is available. 2004-01-12: (Rodermund) WAP Forum (now OMA) elements for MMS Rel-5 are ready.
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	.
TS	23.153	Out of Band Transcoder Control; Stage 2	5.7.0	Rel-5	N4	HODGES, Phil	New after TSG#5 .
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	.
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	5.3.0	Rel-5	S2	PUDNEY, Chris	Created as a result of 23.895. SP-20: approved as a Rel-5 document, not Rel-6.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.7.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann. .
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.9.0	Rel-5	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.7.0	Rel-5	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	5.9.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set. WI approved TSG#7
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	.
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.12.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	.
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.10.0	Rel-5	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
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. Was briefly 23.178. CAMEL Phase 4.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915. 2002-04 (Rapporteur): Proposed to withdraw, since contents has now been fully absorbed into S5 specs (esp 32.225).
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	Rel-5	S2	KÅLL, Jan	Not to progress to Rel-6: see 23.271.
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974. .
TR	23.910	Circuit switched data bearer services	5.4.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval) .
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	5.11.0	Rel-5	N1	HOWELL, Andrew	.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	5.2.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.5.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface". .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	5.0.0	Rel-5	N4	SCHMITT, Peter	.
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.4.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
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	5.8.0	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	5.8.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	5.10.0	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)	5.8.0	Rel-5	R4	GUERRINI, Claudio	.
TS	25.133	Requirements for support of radio resource management (FDD)	5.10.0	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	.
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	GERSTENBERGER, Dirk	.
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.5.0	Rel-5	R1	PARKVALL, Stefan	.
TS	25.212	Multiplexing and channel coding (FDD)	5.8.0	Rel-5	R1	MICHEL, Jürgen	.
TS	25.213	Spreading and modulation (FDD)	5.5.0	Rel-5	R1	WILLENEGGER, Serge	.
TS	25.214	Physical layer procedures (FDD)	5.8.0	Rel-5	R1	BOUMENDIL, Sarah	.
TS	25.215	Physical layer; Measurements (FDD)	5.5.0	Rel-5	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.5.0	Rel-5	R1	CHAPMAN, Thomas	.
TS	25.222	Multiplexing and channel coding (TDD)	5.6.0	Rel-5	R1	BEALE, Martin	.
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	ANDERSON, Nicholas	.
TS	25.224	Physical layer procedures (TDD)	5.7.0	Rel-5	R1	RUDOLF, Marian	.
TS	25.225	Physical layer; Measurements (TDD)	5.7.0	Rel-5	R1	CZAPLA, Liliana	.
TS	25.301	Radio Interface Protocol Architecture	5.2.0	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	5.4.0	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	5.8.0	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	5.2.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. Expect continual updates each time a new band is allowed.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.5.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. .
TS	25.321	Medium Access Control (MAC) protocol specification	5.8.0	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	5.8.0	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 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.3.0	Rel-5	R3	DIESEN, Michael	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	5.8.0	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)	5.7.0	Rel-5	R3	MCWILLIAMS, Brendan	.
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.1.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	KUNZ, Walter	.
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	PALAT, Sudeep	.
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.9.0	Rel-5	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.4.0	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	5.8.0	Rel-5	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.4.0	Rel-5	R3	LAVASANI, Shahab	.
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.7.0	Rel-5	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	HAUSER, Alexander	.
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	5.0.1	Rel-5	R3	JOLLEY, Vincent	.
TS	25.452	UTRAN Iupc interface: signalling transport	5.0.0	Rel-5	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.9.0	Rel-5	R3	JOLLEY, Vincent	.
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	.
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	N, A	.
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	.
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	.
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	.
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	.
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena Eva	.
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	5.4.0	Rel-5	R2	KALLA, Gairn	.
TR	25.922	Radio Resource Management Strategies	5.3.0	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	2001-12-05: Rel-4 abandoned in favour of Rel-5 (Drevon).
TR	25.942	RF system scenarios	5.2.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	.
TR	25.945	RF requirements for low chip rate TDD option	5.1.0	Rel-5	R4	ZHANG, Daijun	.
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	promoted from Rel-4 at RP-12.
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	. .
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.1.0	Rel-5	R2	FAUCONNIER, Denis	Pointer to latest release version.
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.073	AMR speech Codec; C-source code	5.3.0	Rel-5	S4	EKUDDEN, Erik	.
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	5.0.1	Rel-5	S4	USAI, Paolino	.
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4 .
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	5.4.0	Rel-5	S4	USAI, Paolino	.
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	.
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.1.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5 .
TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.2.0	Rel-5	S4	GOETZ, Ian	

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TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.4.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.2.0	Rel-5	S4	CASTAGNO, Roberto	.
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.8.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.2.0	Rel-5	S4	N, A	.
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set. TSG#10:2.0.0=SP-000569(Rel-5)->Rel-4
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. TSG#10:2.0.0=SP-000570(Rel-5)->Rel-4
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	.
TS	26.234	Transparent end-to-end streaming service; Protocols and codecs	5.6.0	Rel-5	S4	FRANCESCHI, Olle	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	SP-12: transferred to Rel-5.
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.4.0	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	2003-01-14: WG Secretary reports that this TS should be approved at SP-19. SP-19: still under revision, anticipated for approval at SP-20.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM. .
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.1.0	Rel-5	S4	VAINIO, Janne	Cf 26.975. .
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.7.0	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	.

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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	BOSWARTHICK, David	GPRS .
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	.
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	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	5.9.0	Rel-5	N4	WIEHE, Ulrich	.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.9.0	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)	5.6.0	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	5.9.0	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	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". NP-16: some indications from N3 report that this spec should not be considered frozen yet. So change freeze date from March 2002 to Sept 2002.
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.7.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4 Phase 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	.

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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	.
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	5.7.0	Rel-5	N3	RÄSÄNEN, Juha	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3". .
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.7.0	Rel-5	N3	SILLANPÄÄ, Anna	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.7.0	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	5.7.0	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. TP-16: this spec unlikely to be freezable by NP-17. CAMEL phase 4.

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TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.7.0	Rel-5	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	5.5.0	Rel-5	N4	BERRY, Nigel. H	.
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	.
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	N3	BELLING, Thomas	
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203. NP-11:creation Supersedes 29.203
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version. .
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	5.0.0	Rel-5	N5	ABARCA, Chelo	.
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	5.0.0	Rel-5	N5	ABARCA, Chelo	Evidence for existance unearthed in N5-020143. .Was originally Rel-6, but moved to Rel 5 NP-15.
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. TP-17: upgraded to Rel-5 to fill gap between Releases 4 and 6.
TS	31.102	Characteristics of the USIM application	5.8.0	Rel-5	T3	HEIM, Christian	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.6.0	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	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	started life as Rel-4 draft, but ran out of time so ended up Rel-5.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.4.0	Rel-5	T3	KALINER, Stefan	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.101	Telecommunication management; Principles and high level requirements	5.5.0	Rel-5	S5	TRUSS, Michael	.
TS	32.102	Telecommunication management; Architecture	5.6.0	Rel-5	S5	BERGGREN, Tommy	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	5.4.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.5.1	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts .
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.7.1	Rel-5	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.200	Telecommunication management; Charging management; Charging principles	5.6.0	Rel-5	S5	GOERMER, Gerald	.
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.6.0	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)	5.5.0	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 (IS)	5.1.0	Rel-5	S5	TSE, Edwin	was 32.301-2 .
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-3 .
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-1 .
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	5.1.0	Rel-5	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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 (SS)	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	5.6.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars) .
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	5.0.1	Rel-5	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	5.3.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	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 (SS)	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 (IS)	5.3.0	Rel-5	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.4.0	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)	5.3.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	Rel-5	S5	PIRT, Trevor	was 32.620-3 .
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.3.0	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	5.2.0	Rel-5	S5	BONNEAU, Frédéric	.
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1 .
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.5.0	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	5.2.0	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	5.2.0	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report. .
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	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 (SS)	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 (SS)	5.4.0	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	5.4.0	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 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.3.0	Rel-5	S5	PETERSEN, Robert	was 32.623-2 .
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.2.0	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 (SS)	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	5.4.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	5.2.0	Rel-5	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	Rel-5	S5	PAL, Tapinder	SP-15: will not exist in Rel-5. SP-17 Oh yes it will!
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	SP-15: will not exist in Rel-5. SP-17: Yes it will!
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (SI)	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	5.1.0	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 (SS)	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	.
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	.
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	.
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	.
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	TRUSS, Michael	SP-21: No rapporteur, work stopped.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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)	5.7.0	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	34.108	Common test environments for User Equipment (UE) conformance testing	5.0.0	Rel-5	T1	CHALABI, Nouhman	.
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)	5.3.0	Rel-5	T1	HIGUCHI, Kenji	.
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	5.0.0	Rel-5	T1	MAUCKSCH, Thomas	.
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.7.0	Rel-5	T1	SULTAN, Alain	.
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.7.0	Rel-5	T1	HU, Shicheng	.
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.4.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10 .
TR	34.926	Table of international EMC requirements	5.1.0	Rel-5	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10 .
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence .
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR. .
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	5.1.0	Rel-5	S3	WALKER, Michael	ex SAGE .
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE .
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE .

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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	5.6.0	Rel-5	SP	MEREDITH, John M	.
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240. .
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	.
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99. .
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	POIRAUD, Patrick	.
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	CLAYTON, Michael	.
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	NP-21: Decision not to progress this to Rel-6.
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	.
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. .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	5.14.0	Rel-5	G2	HOWELL, Andrew	.
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.7.0	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	5.10.0	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	5.8.0	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	5.9.0	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	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	45.008	Radio subsystem link control	5.14.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.5.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	5.3.0	Rel-5	G1	JOKINEN, Harri	.
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	.
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	.
TS	45.056	CTS-FP Radio Sub-system	5.0.0	Rel-5	G1	USAI, Paolino	.
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	.
TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	.
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	.
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	.
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	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.11.0	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	.
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	5.9.0	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	5.7.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5. .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	5.7.0	Rel-5	G3new	HU, Shicheng	2001-11-19: G4->G5. .
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	5.0.1	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	TP-16: WI is TP-020122.
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	ANDERSEN, Niels Peter Skov	.
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402. SP-18: Expected to be raised to Rel-5 at SP-19.

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

Type	Number	Title	Ver at TSG#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) 2003-07-15 (Dietze): It is the intention that a Rel-5 be created - eventually.
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. TP-21: assume Rel-7 in view of projected end date. TP-22: Document ready for approval as Rel-5 (!!)

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	21.111	USIM and IC card requirements	6.0.0	Rel-6	T3	KALINER, Stefan	.
TR	21.900	Technical Specification Group working methods	6.1.0	Rel-6	SP	MEREDITH, John M	SP-22: Fron now on, is null document pointing to equivalent in latest Release.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	21.902	Evolution of 3GPP system	6.0.0	Rel-6	SP	BISHOP, Craig	SP-21: On closure of Evolution group, confirmed that ownership stays with SA. SP-20: expect revised drafts 2003-06-20 & 2003-09-05. SP-21: approved as Rel-6 document.
TR	21.905	Vocabulary for 3GPP Specifications	6.6.0	Rel-6	S1	ZARRI, Michele	.
TS	22.011	Service accessibility	6.3.0	Rel-6	S1	IBIDUN, Kunle	Transfer>TSG#4 .
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	6.0.0	Rel-6	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	6.2.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.041	Operator Determined Call Barring	6.2.0	Rel-6	S1	WATSON, John	Transfer>TSG#4 .
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.1.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4 .
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.1.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4 .
TS	22.071	Location Services (LCS); Stage 1	6.7.0	Rel-6	S1	DEOL, Amar	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.4.0	Rel-6	S1	GRECH, Michel	.
TS	22.094	Follow Me service description - Stage 1	6.0.0	Rel-6	S1	HECHWARTNER, Roland	Transfer>TSG#4. GSM only @TSG#5 2003-07-21 (Clayton): S1 have decided to scrap 02,94 R99 in favour of a common GSM/UMTS spec, 22.094. .
TS	22.101	Service aspects; Service principles	6.7.0	Rel-6	S1	DEOL, Amar	SP-020234 slide 11 justifies existence.
TS	22.105	Services and service capabilities	6.2.0	Rel-6	S1	ZARRI, Michele	.
TS	22.115	Service Aspects Charging and billing	6.4.0	Rel-6	S1	SCARRONE, Enrico	.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.5.0	Rel-6	S1	SWETINA, Joerg	SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.1.0	Rel-6	S1	SAMPSON, Nick	.
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.5.0	Rel-6	S1	MEYER, Juergen	(development in T2) .
TS	22.141	Presence service; Stage 1	6.2.0	Rel-6	S1	WOHLERT, Randolph	SP-15: Rel-6 record created due to approval of work item "Presence service enhancements".
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.4.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246. .
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WATSON, John	SP-15: Timed out of Rel-5. SP-18: S1 seems to have lost interest in this spec. Known to be some holes in it.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.5.0	Rel-6	S1	CATALDO, Mark	SP-020234 slide 11 justifies existence.
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.3.0	Rel-6	S1	WATSON, John	.
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	6.3.0	Rel-6	S1	BOOTE, Michael	Cf work item 'Generic user profile" SP-17: Expected for SP-18.
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA. .
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.4.0	Rel-6	S1	WILLIAMS, David Hugh	WI UID = 31006 Delayed from Rel-5.
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	6.1.0	Rel-6	S1	CURCIO, Igor	SP-20: WID = SP-030347. .
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	.
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	LAATU, Juho	2002-10-08: created from 22.940. .
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	6.0.0	Rel-6	S1	FRANK, Robert	SP-20: seems difficult to reach agreement; expect it for info at SP-21, simply cleaned up but technically incomplete.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	WOODWARD, Ernest	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.2.0	Rel-6	S1	YOUNGE, Mark	SP-18: tentative conclusion is that no specific stage 1 spec required, just CRs to other specs.
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	LAATU, Juho	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved! 2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.949	Study on a generalized privacy capability	6.0.0	Rel-6	S1	BOOTE, Michael	WI: PrivCap. .
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	TP-16: anticipate v1.0.0 at TP-17.
TR	22.952	Priority service guide	6.0.0	Rel-6	S1	GARRAHAN, James	Work item = PRIOR. SP-21: S2: "No stage 2 TS needed." Target is to approve at SP-22. SP-22: Concerns that the TR may have been drafted to meet US legislation only.
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	.
TS	23.002	Network architecture	6.4.0	Rel-6	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5 .
TS	23.003	Numbering, addressing and identification	6.2.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.007	Restoration procedures	6.0.0	Rel-6	N4	RUSSELL, Nick	.
TS	23.008	Organisation of subscriber data	6.1.0	Rel-6	N4	BAUER, Rolf	.
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	.
TS	23.012	Location management procedures	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	23.016	Subscriber data management; Stage 2	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	23.018	Basic Call Handling; Technical realization	6.2.0	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)	6.3.0	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	6.4.0	Rel-6	S2	ZHAO, Yilin	Transfer>TSG#4 .
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	.
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	6.1.0	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	6.1.0	Rel-6	S2	GREIS, Marc	was 23.907 SP-22: Rel-6 doc not to be created yet. CRs kept on ice.
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	6.0.0	Rel-6	N1	HIETALAHTI, Hannu	2004-02-26: Added to the list of specs in 01.01 / 41.101 following MCC refiew of R98 features. .
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; stage 2	6.0.0	Rel-6	S2	WILLIAMS, Brian	WI UID = 32030. SP-23: to be completed by SP-24.
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. SP-15: Rel-6 record created on approval of WI "Scope of the Open Service Access Release 6".
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.5.0	Rel-6	T2	LAUMEN, Josef	2003-12-03: Note that this spec also contains stage 3. TP-22: Discussed whether this work would be transferred to OMA for future Releases (I.e. beyond Rel-6). But there are IPR problems.
TS	23.141	Presence service; Architecture and functional description; Stage 2	6.5.0	Rel-6	S2	MAANSAARI, Kirsi	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	6.2.0	Rel-6	S2	OYAMA, Johnson	.
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	6.1.0	Rel-6	N1	DRAGE, Keith	.
TS	23.221	Architectural requirements	6.2.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121 .
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.5.0	Rel-6	S2	TOWLE, Thomas	SP-21: Envisage modifications to cater for PoC feature.
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	6.0.0	Rel-6	S2	YOON, Sang-Ui	SP-18: Anticipate approval SP-19. SP-19: Doc has been split into scenario 2 and scenario 3 parts, and will be for approval at SP-20.
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	6.3.0	Rel-6	S2	KOSKINEN, Harri	Cf work item 'Generic user profile" SP-19: moved from Rel-5
TS	23.241	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	6.0.0	Rel-6	T2	BISCHINGER, Kurt	Cf work item 'Generic user profile" RP-15: Delayed from Rel-5.
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	6.2.0	Rel-6	S2	JARVIS, Andre	Note that stage 1 is 22.146. Meanwhile, stage 2 scenarios are worked on in 23.846. SP-15: from Rel-5.
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.7.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards. Continues 23.871
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	TP-16: clear that service is Rel-6.
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246. SP-15: To be a Rel-6 service, not Rel-5.
TS	23.851	Network sharing; Architecture and functional description	6.0.0	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TR	23.877	Architectural aspects of speech-enabled services	6.0.0	Rel-6	S2	XUAN, Qing	WID = SP-030305. .
TR	23.895	Provision of UE specific behaviour information to network entities	6.2.0	Rel-6	S2	PUDNEY, Chris	.
TR	23.976	Push architecture	6.0.0	Rel-6	S2	ALFANO, Nicholas	2003-02-04: 23.876 -> 23.976 .
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	6.4.0	Rel-6	N1	HOWELL, Andrew	.
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	6.0.0	Rel-6	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4 .
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	6.1.0	Rel-6	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99. .
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	6.1.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	.
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	6.2.0	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)	6.4.0	Rel-6	R4	FERNANDES, Edgar	RP-16 agreed not to implement the CR creating this Release.
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	6.0.0	Rel-6	R4	KOTTKAMP, Meik	.
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	6.5.0	Rel-6	R4	SKÖLD, Johan	.
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	6.0.0	Rel-6	R4	KOTTKAMP, Meik	created for M.1457 update
TS	25.106	UTRA repeater radio transmission and reception	6.0.0	Rel-6	R4	NILSSON, Martin	created for M.1457 update
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	6.0.0	Rel-6	R4	BARNES, David	created for M.1457 update
TS	25.123	Requirements for support of radio resource management (TDD)	6.1.0	Rel-6	R4	GUERRINI, Claudio	.

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TS	25.133	Requirements for support of radio resource management (FDD)	6.5.0	Rel-6	R4	GUERRINI, Claudio	.
TS	25.141	Base Station (BS) conformance testing (FDD)	6.5.0	Rel-6	R4	NAKAMURA, Takaharu	.
TS	25.142	Base Station (BS) conformance testing (TDD)	6.0.0	Rel-6	R4	MEYER, Juergen	created for M.1457 update
TS	25.143	UTRA repeater conformance testing	6.0.0	Rel-6	R4	KUMMETZ, Thomas	Created by renumbering 25.107 created for M.1457 update
TS	25.201	Physical layer - general description	6.0.0	Rel-6	R1	GERSTENBERGER, Dirk	created for M.1457 update
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	6.0.0	Rel-6	R1	PARKVALL, Stefan	created for M.1457 update
TS	25.212	Multiplexing and channel coding (FDD)	6.1.0	Rel-6	R1	MICHEL, Jürgen	created for M.1457 update
TS	25.213	Spreading and modulation (FDD)	6.0.0	Rel-6	R1	WILLENEGGER, Serge	created for M.1457 update
TS	25.214	Physical layer procedures (FDD)	6.1.0	Rel-6	R1	BOUMENDIL, Sarah	created for M.1457 update
TS	25.215	Physical layer; Measurements (FDD)	6.0.0	Rel-6	R1	SUZUKI, Hidetoshi	.
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	6.0.0	Rel-6	R1	CHAPMAN, Thomas	created for M.1457 update
TS	25.222	Multiplexing and channel coding (TDD)	6.0.0	Rel-6	R1	BEALE, Martin	created for M.1457 update
TS	25.223	Spreading and modulation (TDD)	6.0.0	Rel-6	R1	ANDERSON, Nicholas	created for M.1457 update
TS	25.224	Physical layer procedures (TDD)	6.0.0	Rel-6	R1	RUDOLF, Marian	created for M.1457 update
TS	25.225	Physical layer; Measurements (TDD)	6.1.0	Rel-6	R1	CZAPLA, Liliana	created for M.1457 update
TS	25.301	Radio Interface Protocol Architecture	6.0.0	Rel-6	R2	GRANZOW, Wolfgang	created for M.1457 update
TS	25.302	Services provided by the physical layer	6.1.0	Rel-6	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5? created for M.1457 update
TS	25.303	Interlayer procedures in Connected Mode	6.0.0	Rel-6	R2	RINNE, Mikko J	created for M.1457 update
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	6.1.0	Rel-6	R2	MAHKONEN, Marko	created for M.1457 update
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 created for M.1457 update
TS	25.306	UE Radio Access capabilities definition	6.1.0	Rel-6	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10. created for M.1457 update
TS	25.307	Requirements on UEs supporting a release-independent frequency band	6.1.0	Rel-6	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements. .
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	6.1.0	Rel-6	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855. created for M.1457 update
TS	25.321	Medium Access Control (MAC) protocol specification	6.1.0	Rel-6	R2	STADLER, Thomas	created for M.1457 update
TS	25.322	Radio Link Control (RLC) protocol specification	6.0.0	Rel-6	R2	MADELAINE, Sebastien	created for M.1457 update
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	6.0.0	Rel-6	R2	HANS, Martin	created for M.1457 update
TS	25.324	Broadcast/Multicast Control (BMC)	6.0.0	Rel-6	R2	HARTL, Mike	created for M.1457 update
TS	25.331	Radio Resource Control (RRC) protocol specification	6.1.0	Rel-6	R2	KUCHIBHOTLA, Ravi	Created by CR at RP-21, but will not be created until more substantive CRs are required. (Saves on maintenance work.)
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	6.0.0	Rel-6	R2	PIRSKANEN, Juho	.
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 created for M.1457 update
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	6.0.0	Rel-6	R3	DIESEN, Michael	Approval at TSG#5 created for M.1457 update
TS	25.411	UTRAN Iu interface layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.412	UTRAN Iu interface signalling transport	6.0.0	Rel-6	R3	NG, Cheng Hock	created for M.1457 update
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	6.1.0	Rel-6	R3	GUYOT, Olivier	created for M.1457 update
TS	25.414	UTRAN Iu interface data transport & transport signalling	6.0.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update
TS	25.415	UTRAN Iu interface user plane protocols	6.0.0	Rel-6	R3	ISRAELSSON, Martin	created for M.1457 update

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TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	6.1.0	Rel-6	R3	MCWILLIAMS, Brendan	created for M.1457 update
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	6.0.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.421	UTRAN Iur interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.422	UTRAN Iur interface signalling transport	6.0.0	Rel-6	R3	PALAT, Sudeep	created for M.1457 update
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	6.1.0	Rel-6	R3	ERICSSON, Ingela	.
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	created for M.1457 update
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	DREVON, Nicolas	.
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	6.1.0	Rel-6	R3	KEKKI, Sami	created for M.1457 update
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	6.0.0	Rel-6	R3	HAKULI, Tuomas	created for M.1457 update
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.431	UTRAN Iub interface Layer 1	6.0.0	Rel-6	R3	KUNZ, Walter	created for M.1457 update
TS	25.432	UTRAN Iub interface: signalling transport	6.0.0	Rel-6	R3	KOIZUMI, Yoshiko	created for M.1457 update
TS	25.433	UTRAN Iub interface NBAP signalling	6.1.0	Rel-6	R3	SEHEDIC, Yann	.
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	6.1.0	Rel-6	R3	LAVASANI, Shahab	created for M.1457 update
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	6.1.0	Rel-6	R3	STOJANOVSKI, Saso	.
TS	25.442	UTRAN implementation-specific O&M transport	6.0.0	Rel-6	R3	HAUSER, Alexander	created for M.1457 update
TS	25.450	UTRAN Iupc interface general aspects and principles	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.451	UTRAN Iupc interface layer 1	6.0.0	Rel-6	R3	JOLLEY, Vincent	created for M.1457 update
TS	25.452	UTRAN Iupc interface: signalling transport	6.0.0	Rel-6	R3	JOLLEY, Vincent	.
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	6.4.0	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	25.806	UMTS 1700/2100MHz Work Item	6.0.0	Rel-6	R4	NUMMINEN, Jussi	WI = RInImp-UMTS850 (UID 24007) & RInImp-UMTS1721 (UID 24010). 2004-01-19: title changed froim "UMTS 1700/2100MHz and UMTS 850MHz Work Items". .
TR	25.807	Low output powers for general purpose FDD BS	6.0.0	Rel-6	R3	BURGOS MARTÍNEZ, Ana	.
TR	25.887	Beamforming enhancements	6.0.0	Rel-6	R1	KAHTAVA, Jussi	.
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	6.0.0	Rel-6	R1	LI, Xiaoqiang	.
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	6.0.0	Rel-6	R4	STAHLFJALL, Peter	.
TR	25.896	Feasibility study for enhanced uplink for UTRA FDD	6.0.0	Rel-6	R1	RANTA-AHO, Karri	.
TR	25.922	Radio Resource Management Strategies	6.0.0	Rel-6	R2	BULDORINI, Andrea	.
TR	25.942	RF system scenarios	6.2.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale. .
TR	25.951	Base Station (BS) classification (FDD)	6.2.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	RP-19: from Rel-5.
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	6.0.0	Rel-6	RP	PIRSKANEN, Juho	.

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TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.5.0	Rel-6	R2	FAUCONNIER, Denis	SP-17: Currently the latest release version.
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	6.1.0	Rel-6	R1	HUANG, Howard	.
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4 .
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	6.1.0	Rel-6	S4	USAI, Paolino	.
TS	26.235	Packet switched conversational multimedia applications; Default codecs	6.0.0	Rel-6	S4	OJALA, Pasi	.
TS	26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	6.0.0	Rel-6	S4	FRANCESCHI, Olle	.
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	6.0.0	Rel-6	S4	VARSA, Viktor	.
TS	27.007	AT command set for 3G User Equipment (UE)	6.4.0	Rel-6	T2	CHRISTENSEN, Soren	.
TS	29.002	Mobile Application Part (MAP) specification	6.5.0	Rel-6	N4	WIEHE, Ulrich	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	6.2.0	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	6.4.0	Rel-6	N4	KYMALAINEN, Kimmo	.
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	6.0.0	Rel-6	N3	HUSLENDE, Ragnar	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet". .
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	6.1.0	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	6.2.0	Rel-6	N3	BELLING, Thomas	NP-16: For earlier versions: see Rel-5. NP-19: amticipated to come under change control at NP-21.
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	6.0.1	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)	6.0.1	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	.

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TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	6.0.1	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	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	6.0.1	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)	6.0.1	Rel-6	N5	ABARCA, Chelo	.
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	6.2.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez .
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	6.0.0	Rel-6	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs. .
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	6.1.0	Rel-6	N4	BERRY, Nigel. H	NP-21: Title changed to include Dh interface as well as Sh. .
TS	29.329	Sh interface based on the Diameter protocol	6.0.0	Rel-6	N4	BERRY, Nigel. H	.
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. TP-17: upgraded to Rel-6 as there are 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.
TS	31.102	Characteristics of the USIM application	6.5.0	Rel-6	T3	HEIM, Christian	.
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.3.0	Rel-6	T3	N, A	.
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	6.1.0	Rel-6	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14. .
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.2.0	Rel-6	T3	N, A	.
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin. SP-15: Creation justified by SP-020172 slide 13. TP-16: has evidently migrated to Rel-6.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.4.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin SP-15: Creation justified by SP-020172 slide 13. TP-16: offered for approval as Rel-6, so scrap Rel-5.
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	6.0.0	Rel-6	T3	JOLIVET, Paul	TP-20: Target for approval: TP-21.
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	TON, Wim	Test spec is 34.131. .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	6.0.0	Rel-6	T3	ANDRAU, Stéphane	WI UID = 43005. .
TS	32.102	Telecommunication management; Architecture	6.2.0	Rel-6	S5	BERGGREN, Tommy	.
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	6.1.0	Rel-6	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts .
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	TSG#8: split into 4 parts .
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	TSG#8: split into 4 parts .
TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	6.2.0	Rel-6	S5	ISLIP, John	2004-03-29: S5 Project Manager: "services operations management" removed from title. SP-15: moved from Rel-5.
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	6.1.0	Rel-6	S5	ABA, Istvan	2004-03-29: S5 Project Manager: "services operations management" removed from title. .
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	6.0.0	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	6.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	6.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	6.0.0	Rel-6	S5	RICHARDS, Christopher	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging interface description to the billing domain". .
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	was 32.301-1 .
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.301-2 .
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-3 .
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.301-4 .
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-1 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.112-2 .
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.331	Telecommunication management; Notification log Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014) .
TS	32.361	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)	6.1.0	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	6.3.0	Rel-6	S5	TOCHE, Christian	was 32.104 (pars) .
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	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TOCHE, Christian	.
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	6.3.0	Rel-6	S5	KORINEK, Frank	.
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	Replaces 32.106 (pars). .
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.601-1 .
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	6.0.0	Rel-6	S5	TOVINGER, Thomas	was 32.601-2 .
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	TSE, Edwin	was 32.601-3 .
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.601-4 .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	PAL, Tapinder	was 32.602-1 .
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.602-2 .
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.602-3 .
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	was 32.602-4 .
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.1.0	Rel-6	S5	TOVINGER, Thomas	was 32.620-2 .
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.1.0	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	6.1.0	Rel-6	S5	BONNEAU, Frédéric	.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	6.0.0	Rel-6	S5	PIRT, Trevor	was 32.622-1 .
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	6.0.0	Rel-6	S5	PETERSEN, Robert	was 32.622-2 .
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RAYMER, David	was 32.622-3 .
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 (IS)	6.2.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	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 (SS)	6.1.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (SI)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	6.0.0	Rel-6	S5	RAYMER, David	.
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	.
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)	6.5.0	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	6.2.0	Rel-6	S3	BOMAN, Krister	.
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.4.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210). .
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	6.0.0	Rel-6	S3	HAUKKA, Tao	WI = SEC1-SC (UID 33002) Based on 33.109 §4. .
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	6.0.0	Rel-6	S3	LOPEZ SORIA, Luis	.
TS	33.310	Network domain security; Authentication framework (NDS/AF)	6.0.0	Rel-6	S3	VIITANEN, Tommi	.
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910. SP-17: expect v2.0.0 at SP-18.
TR	33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	6.0.0	Rel-6	S3	YAQUB, Raziq	Original WID = SP-030341. 2003-11-26: S3 Secretary indicates that TR is to be internal, so number changed from 33.917. .
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 .
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.4.0	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	44.005	Data Link (DL) Layer General Aspects	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	6.0.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	6.6.0	Rel-6	G2	HOWELL, Andrew	.
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	6.2.0	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	6.6.0	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	6.1.0	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	6.3.0	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	6.3.0	Rel-6	G1	JOKINEN, Harri	.
TS	45.002	Multiplexing and multiple access on the radio path	6.5.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.003	Channel coding	6.2.0	Rel-6	G1	SÉBIRE, Benoist	.
TS	45.005	Radio transmission and reception	6.4.0	Rel-6	G1	SAMUELSSON, Mats	.
TS	45.008	Radio subsystem link control	6.6.0	Rel-6	G1	EL-SAIGH, Amer	.
TS	45.009	Link adaptation	6.1.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TS	45.010	Radio subsystem synchronization	6.2.0	Rel-6	G1	JOKINEN, Harri	.
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	.
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811. Renumbered from 41.811.
TR	45.902	Flexible layer 1	6.4.0	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	6.4.0	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	6.4.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	.
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	6.2.0	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. .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	21.801	Specification drafting rules	none	Rel-6	SP	MEREDITH, John M	.
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-6	S2	LAUTIER, Laurence	SP-20: from Rel-5.
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977). .
TS	23.174	Push service; stage 2	none	Rel-6	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...". SP-17: Rel-5 -> Rel-6 to accord with stage 1.
TS	23.209	Policy control over Gq interface	none	Rel-6	S2	SILLANPÄÄ, Anna	WI = IMS Phase 2 (UID 32021). 2004-02-20: responsibility N3 -> S2. .
TS	23.251	Network sharing; Architecture and functional description	none	Rel-6	S2	NILSSON, Ulf	WI UID = 32044 .
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	1.0.0	Rel-6	S2	DAMIDAUX, Jean-louis	WID contained in S2-022472. See also http://www.esa.int/export/esaSA/GGGMX650NDC_navigation_0.html. .
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.6.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964. .
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	0.6.0	Rel-6	S2	POIKSELKA, Miikka	2003-04-02 Rapporteur: Intention is to transfer this material into 23.002, 23.060 and 23.228. .
TR	23.881	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	1.0.0	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)	1.2.0	Rel-6	S2	MOUSSET, Claire	Work Item: SP-020140 SP-23: likely to be abandoned.
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	2002-05-02: anticipate v1.0.0 in Sept 2002, 2.0.0 in Dec 2002.

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	1.2.0	Rel-6	S2	SEISER, Franz	Work Item: Bandwidth and Resource savings and Speech enhancements for CS networks (S2-032137) SP-23: anticipate v2.0.0 at SP-24.
TR	23.979	3GPP enablers for Push-to-talk over Cellular (PoC) services; Stage 2	0.3.0	Rel-6	S2	SULTANA, Shabnam	SP-21: WI = SP-030540 SP-23: will be stabilized 3 months after OMA PoC AD work completed.
TS	24.109	Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details	0.0.1	Rel-6	N1	BAJKO, Gabor	WI UID = 14504 .
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	1.2.0	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 2002-05-29 (jmm): Since stage 2 is moved to Rel-6, so should the stage 3 be.
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	0.4.1	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	1.4.2	Rel-6	N1	DRAGE, Keith	.
TS	25.460	UTRAN Iuant interface: General aspects and principles	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.461	UTRAN Iuant interface: Layer 1	none	Rel-6	R3	KUNZ, Walter	WI UID = 23010 .
TS	25.462	UTRAN Iuant interface: Signalling transport	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	none	Rel-6	R3	HAUSER, Andreas	WI UID = 23010 .
TR	25.803	S-CCPCH performance for MBMS	1.3.0	Rel-6	R1	MALLADI, Durga	2003-06-25: anticipate approval at RP-22.
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	0.0.1	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	25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN	0.0.0	Rel-6	R3	GODIN, Philippe	2003-09-08: Title changed from "Radio access bearer support enhancements for the Iu". .
TR	25.862	RAB support for IMS	1.0.0	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	2003-11-28: WG secretary reports: Timed out of Rel-5, moved to Rel-6.
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	1.3.0	Rel-6	R1	HUANG, Howard	RP-20: reference to HSDPA removed from title Timed out of Rel-5.
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	.
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	1.1.0	Rel-6	R1	BOUMENDIL, Sarah	.
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	.
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	1.3.2	Rel-6	R1	BEALE, Martin	2002-10-07: anticipate approval at RP-20.
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	0.5.0	Rel-6	R1	FUKUI, Noriyuki	RP-23: v1.0.0 xpected RP-24.
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. .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
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	SP-19: CRs anticipated at SP-22. SP-21: Intend to split the Rel-6 spec into four separate specs.
TS	26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	1.0.0	Rel-6	S4	PEARCE, David	WI UID = 34700 .
TS	26.245	Transparent end-to-end streaming service; Timed text format	0.1.7	Rel-6	S4	FRANCESCHI, Olle	.
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	1.0.0	Rel-6	S4		Created S4-25bis. See S4-030135. .
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	0.1.0	Rel-6	S4	PEARCE, David	WI = "Multimedia Broadcast and Multicast Service" UID 2544. SP-22: v1.0.0 had been expected this mtg, but at least 3 months delay expected.
TR	26.935	Packet switched conversational multimedia applications; Default codecs; Performance characterization	1.0.0	Rel-6	S4	BERTENYI, Balazs	2004-01-05: Drafted by Dynasat (Alan Sharpley & Ira Panzer) under 3GPP Guest status. To be approved at S4-30.
TS	29.109	Bootstrapping and subscriber certificates; Diameter protocols; Stage 3	none	Rel-6	N4	LAITINEN, Lauri	WI = SEC1-SC (UID 14504) .
TS	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network WLAN Access and	0.0.1	Rel-6	N3	RÄSÄNEN, Juha	WI UID = 14013. .
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-6	N3	HOLLAND, Nigel	Work item moved to Rel-6.
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	0.0.2	Rel-6	N3	N, A	.
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	1.2.0	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 2003-03-05: Delayed from Rel-5.
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. Anticipated change control at NP-22.
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	1.2.0	Rel-6	N1	HOBBIS, Kevan	.
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	1.3.0	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	Continues work started in R99 document.
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	TP-15: Enhancements to Rel-5 envisaged.
TS	32.171	Telecomunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Requirements	1.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". .
TS	32.172	Telecommunication management; Subscription Management (SuM) resources Integration Reference Point (IRP); Network Resources Model (NRM)	1.0.0	Rel-6	S5	WIKBERG, Ove	2004-03-29: S5 Project Manager: "service operations management" in title changed to "telecomunication management". .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	1.1.0	Rel-6	S5	GOERMER, Gerald	.
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 2003-07-10 (Zoicas): Release was unknown, now confirmed as Rel-6.
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	1.0.0	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	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	none	Rel-6	S5	ALEXANDER, Benni	.
TS	32.296	Telecommunication management; Charging management; On line Charging System (OCS): Applications and interfaces	1.0.0	Rel-6	S5	BROWN, Yishai	WID = CH (SP-030047) Original target for approval = SP-21.
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	1.0.0	Rel-6	S5	NENNER, Karl-Heinz	.
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	1.0.0	Rel-6	S5	ALEXANDER, Benni	2003-08-18: Title changed from "Telecommunication management; Charging management; Charging protocol description". .
TS	32.332	Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	SCHMIDT, Joerg	.
TS	32.333	Telecommunication management; Notification log Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	RAYMER, David	.
TS	32.334	Telecommunication management; Notification log Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	POLLAKOWSKI, Olaf	.
TS	32.342	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 (SS)	1.0.0	Rel-6	S5	RAYMER, David	.
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	SUERBAUM, Clemens	.
TS	32.352	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 (SS)	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 (SS)	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 (SS)	none	Rel-6	S5	LI, Yewen	WI = OAM-NIM (UID 35014) .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TS	32.371	Telecommunication management; Security Management Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.372	Telecommunication management; Security Management Integration Reference Point (IRP): Information Service (IS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.373	Telecommunication management; Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.374	Telecommunication management; Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	YANG, Li	WI = OAM-AR (UID 35011) .
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	TOCHE, Christian	.
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and Configuration Management (CM)	1.0.0	Rel-6	S5	RAO, Mohan	.
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	none	Rel-6	S5	TOCHE, Christian	.
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	PAL, Tapinder	.
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	.
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	1.0.0	Rel-6	S5	TOVINGER, Thomas	.
TS	32.711	Telecommunication management; 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	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	1.0.0	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.713	Telecommunication management;Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.714	Telecommunication management; Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	none	Rel-6	S5	PAL, Tapinder	WI = OAM-NIM (UID 35014) .
TS	32.715	Telecommunication management; 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) .

Type	Number	Title	Ver at TSG#22	Rel	TSG/ WG	Editor	Comment
TR	32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)	1.0.0	Rel-6	S5	ISLIP, John	.
TR	32.804	Telecommunications management; Control of Remote Electrical Tilting (RET) antennas; Requirements	none	Rel-6	S5	MUDGE, John	WI UID = 35022 (under 23010) .
TS	33.141	Presence service; Security	1.1.1	Rel-6	S3	BOMAN, Krister	.
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using secure hypertext transfer protocol (HTTPS)	0.2.0	Rel-6	S3	SAHLIN, Bengt	WI = SEC1-SC (UID 33002) Based on 33.109 v0.3.0 protocol B. .
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	1.1.0	Rel-6	S3	ESCOTT, Adrian	SP-22: target for v2.0.0 is SP-23, but this will be challenging.
TR	33.919	Generic Authentication Architecture (GAA); System description	1.2.0	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	43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	0.3.0	Rel-6	G2	HEDBY, Gunnar	WI UID = 51136. .
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. 2003-01-14: Fel-5 frozen, so migrated to Rel-6.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	0.1.2	Rel-6	S5	RONKA, Kari	.
TS	55.226	Specification of the A5/4 encryption algorithms for GSM and ECSD, and the GEA4 encryption algorithm for GPRS; Document 1: A5/4 and GEA4 specification	1.0.0	Rel-6	S3	CHRISTOFFERSSON, Per	Work item UID = 1571 (SEC1) SP-23: likely that this will -> Rel-7

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	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	7.0.0	Rel-7	S1	IGNATIUS, Jan	Transfer>TSG#4 .
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	7.0.0	Rel-7	S1	CARPENTER, Paul	Transfer>TSG#4 .
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	7.0.0	Rel-7	S1	GRECH, Michel	.

Annex E: List of Change Requests and their status after TSG SA Meeting #23

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-040087	21.905	055	-	6.5.0	Rel-6	Acronyms for the Flexible Layer One	approved	B	6.6.0	Vocabulary for 3GPP Specifications	FLOGER
SP-040107	21.905	056	-	6.5.0	Rel-6	Add Subscription Management (SuM) Definition and Abbreviation to SA1's 21.905 - Align with SA5's 32.140/1, 32.171/2/... & 3GPP Work Plan (WI Acronym)	approved	F	6.6.0	Vocabulary for 3GPP Specifications	SuM
SP-040088	22.011	054	-	6.2.0	Rel-6	Periodic network selection attempts enhancement	approved	C	6.3.0	Service accessibility	TEI
SP-040089	22.011	055	-	6.2.0	Rel-6	System selection among multiple I-WLANs	withdrawn	C		Service accessibility	WLAN
SP-040089	22.011	056	-	6.2.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.3.0	Service accessibility	WLAN
SP-040101	22.011	057	-	6.2.0	Rel-6	Extraction of redundant WLAN network selection information [– now in WLAN TS22.234]	approved	D	6.3.0	Service accessibility	WLAN
SP-040097	22.030	011	-	5.0.0	Rel-7	Add a MMI Service Code of UE	approved	B	7.0.0	Man-Machine Interface (MMI) of the User Equipment (UE)	CS-VSS
SP-040101	22.041	012	-	6.1.0	Rel-6	Extraction of redundant WLAN related ODB text – now in WLAN TS22.234	approved	D	6.2.0	Operator Determined Call Barring	WLAN
SP-040085	22.071	066	-	3.4.0	R99	Routing of Emergency Calls based on Geographic Coordinates	approved	F	3.5.0	Location Services (LCS); Stage 1	LCS
SP-040085	22.071	067	-	4.5.0	Rel-4	Routing of Emergency Calls based on Geographic Coordinates	approved	A	4.6.0	Location Services (LCS); Stage 1	LCS
SP-040085	22.071	068	-	5.3.0	Rel-5	Routing of Emergency Calls based on Geographic Coordinates	approved	A	5.4.0	Location Services (LCS); Stage 1	LCS
SP-040090	22.071	069	-	6.6.0	Rel-6	Inclusion of U-TDOA positioning method	approved	F	6.7.0	Location Services (LCS); Stage 1	LCS
SP-040098	22.078	168	-	6.3.0	Rel-7	CSE change basic service	approved	B	7.0.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-040086	22.078	169	-	5.12.0	Rel-5	MoveLeg precondition alignment	approved	F	5.13.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-040086	22.078	170	-	6.3.0	Rel-6	MoveLeg precondition alignment	approved	A	6.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL 4
SP-040084	22.101	142	-	3.16.0	R99	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	F	3.17.0	Service aspects; Service principles	TEI
SP-040084	22.101	143	-	4.9.0	Rel-4	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	4.10.0	Service aspects; Service principles	TEI
SP-040084	22.101	144	-	5.12.0	Rel-5	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	5.13.0	Service aspects; Service principles	TEI
SP-040084	22.101	145	-	6.6.0	Rel-6	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	6.7.0	Service aspects; Service principles	TEI
SP-040091	22.101	146	-	6.6.0	Rel-6	Improvements to Circuit Switched Video and Voice Service procedures	approved	B	6.7.0	Service aspects; Service principles	CS-VVS
SP-040083	22.101	147	-	3.16.0	R99	Correction of emergency call set-up MMI requirements	approved	F	3.17.0	Service aspects; Service principles	EMC1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040083	22.101	148	-	4.9.0	Rel-4	Correction of emergency call set-up MMI requirements	approved	A	4.10.0	Service aspects; Service principles	EMC1
SP-040083	22.101	149	-	5.12.0	Rel-5	Correction of emergency call set-up MMI requirements	approved	A	5.13.0	Service aspects; Service principles	EMC1
SP-040101	22.101	150	-	6.6.0	Rel-6	Extraction of redundant WLAN information – now in WLAN TS22.234	approved	D	6.7.0	Service aspects; Service principles	WLAN
SP-040101	22.101	151	-	6.6.0	Rel-6	Extraction of redundant WLAN related simultaneous connection information [now in WLAN TS22.234]	approved	D	6.7.0	Service aspects; Service principles	WLAN
SP-040101	22.115	020	-	6.3.0	Rel-6	Extraction of redundant WLAN charging information – now in WLAN TS22.234	approved	D	6.4.0	Service Aspects Charging and billing	WLAN
SP-040092	22.127	070	-	6.4.0	Rel-6	High Availability requirement for OSA	revised	B		Service Requirement for the Open Services Access (OSA); Stage 1	OSA3
SP-040199	22.127	070	1	6.4.0	Rel-6	High Availability requirement for OSA	approved	B	6.5.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3
SP-040093	22.140	041	-	6.4.0	Rel-6	MMS targetting UE elements	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS
SP-040203	22.140	041	1	6.4.0	Rel-6	MMS targetting UE elements	approved	B	6.5.0	Multimedia Messaging Service (MMS); Stage 1	MMS
SP-040093	22.140	042	-	6.4.0	Rel-6	Prepaid – lack of credit error in MMS	approved	C	6.5.0	Multimedia Messaging Service (MMS); Stage 1	MESS6
SP-040093	22.140	043	-	6.4.0	Rel-6	Handling of private addressing schemes	rejected	B		Multimedia Messaging Service (MMS); Stage 1	MMS6-SR
SP-040094	22.146	042	-	6.3.0	Rel-6	Clarification on user requirements for notification of multicast sessions	approved	F	6.4.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS
SP-040095	22.240	005	-	6.2.0	Rel-6	GUP UE Requirements	approved	F	6.3.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP
SP-040096	22.246	001	-	6.0.0	Rel-6	CR on advertising of capabilities required to receive a particular transmission	revised	B		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040204	22.246	001	1	6.0.0	Rel-6	CR on advertising of capabilities required to receive a particular transmission	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040096	22.246	002	-	6.0.0	Rel-6	Addition of “MBMS transport service” definition	withdrawn	F		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040204	22.246	002	-	6.0.0	Rel-6	Addition of “MBMS transport service” definition	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040096	22.246	003	-	6.0.0	Rel-6	Clarification on delivery verification for MBMS user services	withdrawn	F		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040204	22.246	003	-	6.0.0	Rel-6	Clarification on delivery verification for MBMS user services	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040096	22.246	004	-	6.0.0	Rel-6	Using a single MBMS transport service for multiple MBMS user services	revised	C		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS
SP-040204	22.246	004	1	6.0.0	Rel-6	Using a single MBMS transport service for multiple MBMS user services	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS

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-040040	03.71	045	-	8.7.0	R99	Routing of Emergency Calls based on Geographical Coordinates	approved	B	8.8.0	Location Services (LCS); Functional description; Stage 2	LCS

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040031	23.002	136	-	6.3.0	Rel-6	Gq clean-up	approved	F	6.4.0	Network architecture	QoS1
SP-040032	23.060	476	2	5.7.0	Rel-5	Correction on PDP context to SAPI mapping	approved	F	5.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-5
SP-040032	23.060	477	2	6.3.0	Rel-6	Correction on PDP context to SAPI mapping	approved	A	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	481	4	6.3.0	Rel-6	Provision of S-CDR information to the GGSN	approved	C	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	CH
SP-040032	23.060	482	-	6.3.0	Rel-6	Deletion of informative Annex B Figures and C Tables	approved	D	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	483	2	6.3.0	Rel-6	Partial roaming restrictions	approved	B	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	487	1	6.3.0	Rel-6	SGSN QoS restriction during GGSN initiated PDP ctx modification procedure	approved	F	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	488	3	6.3.0	Rel-6	Addition of IMEISV for Automatic Device Detection function	approved	B	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	490	1	6.3.0	Rel-6	Correction to pre-defined PFI	approved	F	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6
SP-040032	23.060	491	-	5.7.0	Rel-5	Removal of preservation procedure for realtime bearers in A/Gb mode	approved	F	5.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-5
SP-040033	23.107	148	2	5.11.0	Rel-5	Correction to the use of delivery order set to yes	approved	F	5.12.0	Quality of Service (QoS) concept and architecture	TEI
SP-040033	23.107	149	2	6.0.0	Rel-6	Correction to the use of delivery order set to yes	approved	A	6.1.0	Quality of Service (QoS) concept and architecture	TEI
SP-040033	23.107	150	2	6.0.0	Rel-6	ARP Clarification	approved	F	6.1.0	Quality of Service (QoS) concept and architecture	QoS1
SP-040033	23.107	151	1	6.0.0	Rel-6	Removal of reliability class 1	approved	F	6.1.0	Quality of Service (QoS) concept and architecture	TEI-6
SP-040054	23.141	060	-	6.4.0	Rel-6	Support for Ut reference point	approved	F	6.5.0	Presence service; Architecture and functional description; Stage 2	PRESNC
SP-040054	23.141	060	-	6.4.0	Rel-6	Support for Ut reference point	approved	F	6.5.0	Presence service; Architecture and functional description; Stage 2	PRESENC
SP-040040	23.171	030	-	3.10.0	R99	Routing of Emergency Calls based on Geographical Coordinates	approved	B	3.11.0	Location Services (LCS); Functional description; Stage 2 (UMTS)	LCS
SP-040034	23.195	008	2	5.2.0	Rel-5	Removal of text passages with unclear status	approved	F	5.3.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-040034	23.195	010	-	5.2.0	Rel-5	Alignment of text with figure	approved	F	5.3.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE
SP-040035	23.207	068	1	6.1.1	Rel-6	Mapping amendment to PDF procedures	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040035	23.207	069	2	6.1.1	Rel-6	Mapping amendment to AF procedures	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040035	23.207	072	1	5.8.0	Rel-5	Update Authorization Procedure	approved	F	5.9.0	End-to-end Quality of Service (QoS) concept and architecture	E2EQoS
SP-040035	23.207	073	1	6.1.1	Rel-6	SBLP implications of bundling different IMS sessions to the same PDP Context	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1, IMS2
SP-040035	23.207	074	1	6.1.1	Rel-6	Update of Authorization on Gq	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1

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SP-040035	23.207	075	1	6.1.1	Rel-6	Service information	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1
SP-040036	23.221	044	2	6.1.0	Rel-6	Include administrative restriction subscription parameter	approved	B	6.2.0	Architectural requirements	TEI-6
SP-040036	23.221	045	-	5.8.0	Rel-5	Interaction between Shared Network in Connected mode, reject of Mobility Management procedures and Common Id	approved	F	5.9.0	Architectural requirements	TEI
SP-040036	23.221	046	-	6.1.0	Rel-6	Interaction between Shared Network in Connected mode, reject of Mobility Management procedures and Common Id	approved	A	6.2.0	Architectural requirements	TEI
SP-040037	23.228	381	3	6.4.1	Rel-6	Session based messaging: general principles	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	382	1	6.4.1	Rel-6	Session based Messaging without preconditions	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	384	2	6.4.1	Rel-6	Session based Messaging with AS intermediate node	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	385	2	6.4.1	Rel-6	Session based messaging release procedure	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	387	2	6.4.1	Rel-6	An optimisation in registration information flow for user not registered	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	390	1	6.4.1	Rel-6	Registration and Public User Identity	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	391	5	6.4.1	Rel-6	Record Route at S-CSCF	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	393	1	6.4.1	Rel-6	Alignment of headings with drafting rules	approved	D	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	394	2	6.4.1	Rel-6	PSI clean-up	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	395	5	6.4.1	Rel-6	Relation of IMS sessions and PDP Contexts	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	396	1	6.4.1	Rel-6	Support for Caller preferences	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	397	3	6.4.1	Rel-6	Message size limitations for Immediate messaging	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	398	4	6.4.1	Rel-6	Session based messaging requirements and flows	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	399	1	6.4.1	Rel-6	Reference to Local Services in Chapter 4.3.3.3a of 23.228	approved	D	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	403	1	6.4.1	Rel-6	Proposed clarifications to MRFC/MRFP	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	404	1	6.4.1	Rel-6	Relationship between private user IDs and IMS subscription	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	405	1	6.4.1	Rel-6	Resource reservation in IMS	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	406	1	6.4.1	Rel-6	Architectural support for AS origination	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	407	2	6.4.1	Rel-6	Clarification of forking capabilities	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	408	1	6.4.1	Rel-6	PSIs for local services	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	409	2	6.4.1	Rel-6	Group management clarification	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2
SP-040037	23.228	410	-	5.11.0	Rel-5	Relation of IMS sessions and PDP Contexts	approved	F	5.12.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR
SP-040038	23.240	006	4	6.2.0	Rel-6	Adding a listing function	approved	B	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040038	23.240	013	2	6.2.0	Rel-6	Rg reference point alignment with Liberty ID-WSF	approved	F	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040038	23.240	014	-	6.2.0	Rel-6	Generalizing the subscriber identity term to resource identity	approved	F	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040038	23.240	015	1	6.2.0	Rel-6	Authorization enhancements	approved	C	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040038	23.240	016	-	6.2.0	Rel-6	Authorization model alignment with GUP Information Model	approved	C	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP
SP-040039	23.246	012	4	6.1.0	Rel-6	Paging Coordination	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	030	2	6.1.0	Rel-6	Clarification of MBMS Multicast Service Activation	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS

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SP-040039	23.246	031	2	6.1.0	Rel-6	Create MBMS Bearer Context in GGSN	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	036	1	6.1.0	Rel-6	TMGI distribution mechanism for Broadcast mode	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	038	2	6.1.0	Rel-6	Buffering of MBMS data at the RNC	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	039	1	6.1.0	Rel-6	Distribution of BM-SC functionality	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	040	-	6.1.0	Rel-6	MBMS Application Adjunct Server	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	041	2	6.1.0	Rel-6	MBMS TS scope	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	042	3	6.1.0	Rel-6	SGSN filtering of RAs to support RA-based optimization	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	043	-	6.1.0	Rel-6	Complete the MBMS Service Request Procedure	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	044	1	6.1.0	Rel-6	Correction on De-Registration Procedure	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	049	-	6.1.0	Rel-6	TMGI Definition and Objective	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040039	23.246	050	1	6.1.0	Rel-6	NSAPI in MBMS Multicast Service Activation	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS
SP-040040	23.271	242	2	6.6.0	Rel-6	Roaming support for Area Event LDR	approved	B	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040040	23.271	243	1	6.6.0	Rel-6	Clarification on the privacy check procedure in Rel-6, regarding the PLMN Operator service	approved	F	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040040	23.271	244	1	6.6.0	Rel-6	Integration of IMS Users into the LCS Architecture	approved	B	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2
SP-040040	23.271	245	-	4.10.0	Rel-4	R4 Mirror CR: Routing of Emergency Calls based on Geographical Coordinates	approved	B	4.11.0	Location Services (LCS); Functional description; Stage 2	LCS
SP-040040	23.271	246	-	5.9.0	Rel-5	Routing of Emergency Calls based on Geographical Coordinates	approved	A	5.10.0	Location Services (LCS); Functional description; Stage 2	LCS
SP-040040	23.271	252	1	6.6.0	Rel-6	Introduction of LCS QoS Class and Enhencement of MO-LR	revised	B		Location Services (LCS); Functional description; Stage 2	LCS2
SP-040207	23.271	252	7	6.6.0	Rel-6	Introduction of LCS QoS Class and Enhencement of MO-LR	approved	B	6.7.0	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-040155	33.108	034	-	6.4.0	Rel-6	Corrections to Tables 6.2, 6.7	approved	F	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040156	33.108	035	-	6.4.0	Rel-6	Corrections to Correlation Number	approved	D	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040157	33.108	036	-	6.4.0	Rel-6	Correction to Identifiers	approved	B	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040158	33.108	037	-	5.6.0	Rel-5	Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record”	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040158	33.108	038	-	6.4.0	Rel-6	Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record”	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040159	33.108	039	-	6.4.0	Rel-6	Editorial Corrections	approved	D	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040160	33.108	040	-	5.6.0	Rel-5	Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R5	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040160	33.108	041	-	6.4.0	Rel-6	Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R6	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040161	33.108	042	-	5.6.0	Rel-5	Syntax error in Annex B.4	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040161	33.108	043	-	6.4.0	Rel-6	Syntax error in Annex B.4	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040162	33.108	044	-	6.4.0	Rel-6	Clarification on the use of IRI-END record in PS interception	approved	F	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI
SP-040153	33.203	064	-	6.1.0	Rel-6	Addition of AES transform	approved	B	6.2.0	3G security; Access security for IP-based services	IMS-ASEC
SP-040154	33.203	065	-	6.1.0	Rel-6	Deploying TLS (sips:) for interoperation between IMS and non-IMS network	approved	B	6.2.0	3G security; Access security for IP-based services	IMS-ASEC
SP-040153	33.210	015	-	6.3.0	Rel-6	Addition of AES transform	approved	B	6.4.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP

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-040197	26.073	019	-	5.2.0	Rel-5	Correction of AMR DTX functionality	approved	F	5.3.0	AMR speech Codec; C-source code	AMR
SP-040078	26.073	019	-	5.2.0	Rel-5	Correction of AMR DTX functionality	withdrawn	F		AMR speech Codec; C-source code	AMR
SP-040198	26.104	031	-	5.3.0	Rel-5	Correction of floating point AMR DTX functionality	approved	F	5.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR
SP-040079	26.104	031	-	5.3.0	Rel-5	Correction of floating point AMR DTX functionality	withdrawn	F		ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR
SP-040198	26.104	032	-	6.0.0	Rel-6	Correction of floating point AMR DTX functionality	approved	A	6.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR
SP-040079	26.104	032	-	6.0.0	Rel-6	Correction of floating point AMR DTX functionality	withdrawn	A		ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR
SP-040080	26.937	001	2	5.0.0	Rel-6	Rate Adaptation simulation results for PSS	approved	D	6.0.0	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	PSSrel6

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-040111	32.102	033	-	4.4.0	Rel-4	Correction of reference to invalid TS	approved	F	4.5.0	Telecommunication management; Architecture	OAM-AR
SP-040111	32.102	034	-	5.5.1	Rel-5	Correction of reference to invalid TS	approved	A	5.6.0	Telecommunication management; Architecture	OAM-AR
SP-040112	32.102	035	-	6.1.0	Rel-6	Deletion of clauses in 32.102 that have been moved to new Rel-6 TSs 32.150/1/2	approved	F	6.2.0	Telecommunication management; Architecture	OAM-AR
SP-040133	32.104	012	-	3.6.0	R99	Correction of XML Measurement Report File format example	approved	F	3.7.0	Telecommunication management; 3G Performance Management	PM
SP-040120	32.111-2	029	-	6.0.1	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	approved	B	6.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	OAM-NIM
SP-040120	32.111-4	026	-	6.0.1	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	approved	B	6.1.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040108	32.140	002	-	6.1.0	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	approved	F	6.2.0	Telecommunication management; Subscription Management (SuM) requirements	SuM
SP-040110	32.140	003	-	6.1.0	Rel-6	Update the use cases in SuM	approved	F	6.2.0	Telecommunication management; Subscription Management (SuM) requirements	SuM
SP-040108	32.141	001	-	6.0.0	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	approved	F	6.1.0	Telecommunication management; Subscription Management (SuM) architecture	SuM
SP-040138	32.200	027	-	5.5.0	Rel-5	Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815	approved	F	5.6.0	Telecommunication management; Charging management; Charging principles	OAM-CH

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI
SP-040139	32.205	024	-	4.6.0	Rel-4	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	approved	F	4.7.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-040139	32.205	025	-	5.5.0	Rel-5	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	approved	A	5.6.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH
SP-040137	32.215	032	-	4.6.0	Rel-4	Correction on SGSN PLMN identifier in G-CDR	approved	F	4.7.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH
SP-040143	32.225	023	-	5.4.0	Rel-5	Correction of AVP Codes and Diameter protocol specific details	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040143	32.225	024	-	5.4.0	Rel-5	Corrections on the Session Description Protocol (SDP) parameters	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040143	32.225	025	-	5.4.0	Rel-5	Correction of reference to diameter base protocol	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH
SP-040118	32.302	005	-	5.1.0	Rel-6	Update Ntf IRP IS using new Template and UML Repertoire	approved	F	6.0.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	OAM-NIM
SP-040121	32.362	001	-	6.0.0	Rel-6	Clarification on Entry Point (EP) Integration Reference Point (IRP) Information Service	approved	F	6.1.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	OAM-NIM
SP-040134	32.403	026	-	4.5.0	Rel-4	Correction of “Radio link addition” measurements	approved	F	4.6.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040134	32.403	027	-	5.5.0	Rel-5	Correction of “Radio link addition” measurements	approved	A	5.6.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040134	32.403	028	-	6.2.0	Rel-6	Correction of “Radio link addition” measurements	approved	A	6.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040135	32.403	029	-	6.2.0	Rel-6	Add the measurements about Iu connection release	approved	B	6.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM
SP-040116	32.421	003	-	6.2.0	Rel-6	Correction in Trace high level architecture	approved	F	6.3.0	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	OAM-Trace
SP-040119	32.602	006	-	4.2.0	Rel-4	Correction of System Context	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	OAM-CM

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SP-040119	32.602	007	-	5.2.0	Rel-5	Correction of System Context	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	OAM-CM
SP-040119	32.612	009	-	4.5.0	Rel-4	Correction of System Context	approved	F	4.6.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	OAM-CM
SP-040119	32.612	010	-	5.2.0	Rel-5	Correction of System Context	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	OAM-CM
SP-040131	32.615	013	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.612	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040128	32.622	013	-	5.2.0	Rel-5	Addition of missing attributes for the managementScope association	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040128	32.622	014	-	6.0.0	Rel-6	Addition of missing attributes for the managementScope association	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040128	32.623	008	-	5.1.0	Rel-5	Addition/correction of attributes for the managementScope association- Alignment with 32.622	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040128	32.623	009	-	6.0.0	Rel-6	Addition/correction of attributes for the managementScope association - Alignment with 32.622	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040130	32.624	013	-	5.2.0	Rel-5	Correction of OIDs and alignment of notification support with the IS 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040131	32.625	004	-	5.1.2	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.622	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040131	32.625	005	-	6.0.0	Rel-6	Add the capability to contain instances of VsDataContainer to some MOs - Align with IS 32.622	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM

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SP-040130	32.634	004	-	5.1.0	Rel-5	Removal of the attribute uraList from the MOC MscServerFunction – Alignment with the IS 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM
SP-040131	32.635	003	-	5.1.1	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040129	32.641	002	-	5.0.0	Rel-6	Add enhancement for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	OAM-NIM
SP-040129	32.642	019	-	5.3.0	Rel-6	Addition of new attributes for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM
SP-040129	32.643	007	-	5.2.0	Rel-6	Enhancement of CORBA SS for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM
SP-040132	32.644	011	-	5.3.0	Rel-5	Correction of OIDs of the MOCs, packages and attributes affected by the change from ura to uraList	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM
SP-040131	32.645	007	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.642	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040131	32.655	006	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.652	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM
SP-040119	32.662	004	-	5.1.0	Rel-5	Correction of System Context	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM
SP-040119	32.662	005	-	6.1.0	Rel-6	Correction of System Context	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM

E.6 CRs direct to TSG SA#21

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SP-040221	01.01	020	1	8.11.1	R99	Corrections to list of specifications	approved	F	8.12.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI
SP-040056	01.01	020	1	8.11.1	R99	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI
SP-040221	21.101	018	1	3.12.0	R99	Corrections to list of specifications	approved	F	3.13.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI
SP-040056	21.101	018	1	3.12.0	R99	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI
SP-040056	21.101	020	1	5.5.0	Rel-5	Corrections to list of specifications	revised	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI-5
SP-040221	21.101	020	2	5.5.0	Rel-5	Corrections to list of specifications	approved	F	5.6.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI-5
SP-040057	21.801	005	-	4.3.0	Rel-4	Make this TR "Release-independent"	revised	F		Specification drafting rules	TEI
SP-040186	21.801	005	1	4.3.0	Rel-4	Make this TR "Release-independent"	approved	F	4.4.0	Specification drafting rules	TEI
SP-040057	21.801	006	-	5.0.2	R99	Create a Release 1999 version of the drafting rules	revised	F		Specification drafting rules	TEI
SP-040186	21.801	006	1	5.0.2	R99	Create a Release 1999 version of the drafting rules	approved	A	3.0.0	Specification drafting rules	TEI
SP-040186	21.801	007	-	5.0.2	Rel-5	Make this TR "Release-independent"	approved	A	5.1.0	Specification drafting rules	TEI
SP-040221	41.101	002	-	4.9.0	Rel-4	Corrections to list of specifications	approved	F	4.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-4
SP-040056	41.101	002	-	4.9.0	Rel-4	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-4
SP-040221	41.101	003	-	5.5.2	Rel-5	Corrections to list of specifications	approved	F	5.6.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-5
SP-040056	41.101	003	-	5.5.2	Rel-5	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-5

Annex F: Status of all 3GPP CRs after TSG SA #23 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
SP-040056	01.01	020	1	8.11.1	R99	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
SP-040221	01.01	020	1	8.11.1	R99	Corrections to list of specifications	approved	F	8.12.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI	SP
NP-040044	03.16	A046	2	7.6.0	R98	Correction to SS data for LCS SS	approved	F	7.7.0	Subscriber Data Management	LCS	N4
SP-040040	03.71	045	-	8.7.0	R99	Routing of Emergency Calls based on Geographical Coordinates	approved	B	8.8.0	Location Services (LCS); Functional description; Stage 2	LCS	S2
NP-040044	09.02	A340	2	7.14.0	R98	Correction to Insert Subscriber Data message for LCS SS	approved	F	7.15.0	Mobile Application Part (MAP) Specification	LCS	N4
TP-040029	11.10-4	A061	-	8.6.0	R99	Correction of image instance descriptor for colour icons	approved	F	8.7.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040021	11.10-4	A062	-	8.6.0	R99	Essential correction on Terminal Profile for the BIP Inclusion of tests on Open Channel for GPRS, on the user confirmation	approved	F	8.7.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040021	11.10-4	A063	-	8.6.0	R99	CR 11.10-4 Launch Browser test cases	approved	F	8.7.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040021	11.10-4	A064	-	8.6.0	R99	CR 11.10-4 R99: Essential corrections	approved	F	8.7.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040021	11.10-4	A065	-	8.6.0	R99	CR 11.10-4 R99: Essential correction of coding convention	approved	F	8.7.0	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	TEI	T3
TP-040029	11.11	A139	-	8.11.0	R99	Correction of image instance descriptor for colour icons	approved	F	8.12.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	TEI	T3
TP-040022	11.14	A219	-	8.15.0	R99	Clarification of Alpha Identifier for BIP commands	approved	F	8.16.0	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3
SP-040056	21.101	018	1	3.12.0	R99	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI	SP
SP-040221	21.101	018	1	3.12.0	R99	Corrections to list of specifications	approved	F	3.13.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI	SP
SP-040056	21.101	020	1	5.5.0	Rel-5	Corrections to list of specifications	revised	F		Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI-5	SP
SP-040221	21.101	020	2	5.5.0	Rel-5	Corrections to list of specifications	approved	F	5.6.0	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	TEI-5	SP

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TP-040023	21.111	010	-	5.1.0	Rel-6	Update with respect to the third form factor and removal of an unused reference	approved	C	6.0.0	USIM and IC card requirements	TEI	T3
SP-040057	21.801	005	-	4.3.0	Rel-4	Make this TR "Release-independent"	revised	F		Specification drafting rules	TEI	SP
SP-040186	21.801	005	1	4.3.0	Rel-4	Make this TR "Release-independent"	approved	F	4.4.0	Specification drafting rules	TEI	SP
SP-040057	21.801	006	-	5.0.2	R99	Create a Release 1999 version of the drafting rules	revised	F		Specification drafting rules	TEI	SP
SP-040186	21.801	006	1	5.0.2	R99	Create a Release 1999 version of the drafting rules	approved	A	3.0.0	Specification drafting rules	TEI	SP
SP-040186	21.801	007	-	5.0.2	Rel-5	Make this TR "Release-independent"	approved	A	5.1.0	Specification drafting rules	TEI	SP
SP-040087	21.905	055	-	6.5.0	Rel-6	Acronyms for the Flexible Layer One	approved	B	6.6.0	Vocabulary for 3GPP Specifications	FLOGER	S1
SP-040107	21.905	056	-	6.5.0	Rel-6	Add Subscription Management (SuM) Definition and Abbreviation to SA1's 21.905 - Align with SA5's 32.140/1, 32.171/2/... & 3GPP Work Plan (WI Acronym)	approved	F	6.6.0	Vocabulary for 3GPP Specifications	SuM	S1
SP-040088	22.011	054	-	6.2.0	Rel-6	Periodic network selection attempts enhancement	approved	C	6.3.0	Service accessibility	TEI	S1
SP-040089	22.011	055	-	6.2.0	Rel-6	System selection among multiple I-WLANs	withdrawn	C		Service accessibility	WLAN	S1
SP-040089	22.011	056	-	6.2.0	Rel-6	Priority usage of UICC parameters for I-WLAN	approved	F	6.3.0	Service accessibility	WLAN	S1
SP-040101	22.011	057	-	6.2.0	Rel-6	Extraction of redundant WLAN network selection information [– now in WLAN TS22.234]	approved	D	6.3.0	Service accessibility	WLAN	S1
SP-040097	22.030	011	-	5.0.0	Rel-7	Add a MMI Service Code of UE	approved	B	7.0.0	Man-Machine Interface (MMI) of the User Equipment (UE)	CS-VSS	S1
SP-040101	22.041	012	-	6.1.0	Rel-6	Extraction of redundant WLAN related ODB text – now in WLAN TS22.234	approved	D	6.2.0	Operator Determined Call Barring	WLAN	S1
SP-040085	22.071	066	-	3.4.0	R99	Routing of Emergency Calls based on Geographic Coordinates	approved	F	3.5.0	Location Services (LCS); Stage 1	LCS	S1
SP-040085	22.071	067	-	4.5.0	Rel-4	Routing of Emergency Calls based on Geographic Coordinates	approved	A	4.6.0	Location Services (LCS); Stage 1	LCS	S1
SP-040085	22.071	068	-	5.3.0	Rel-5	Routing of Emergency Calls based on Geographic Coordinates	approved	A	5.4.0	Location Services (LCS); Stage 1	LCS	S1
SP-040090	22.071	069	-	6.6.0	Rel-6	Inclusion of U-TDOA positioning method	approved	F	6.7.0	Location Services (LCS); Stage 1	LCS	S1
SP-040098	22.078	168	-	6.3.0	Rel-7	CSE change basic service	approved	B	7.0.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-040086	22.078	169	-	5.12.0	Rel-5	MoveLeg precondition alignment	approved	F	5.13.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-040086	22.078	170	-	6.3.0	Rel-6	MoveLeg precondition alignment	approved	A	6.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	CAMEL4	S1
SP-040084	22.101	142	-	3.16.0	R99	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	F	3.17.0	Service aspects; Service principles	TEI	S1
SP-040084	22.101	143	-	4.9.0	Rel-4	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	4.10.0	Service aspects; Service principles	TEI	S1
SP-040084	22.101	144	-	5.12.0	Rel-5	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	5.13.0	Service aspects; Service principles	TEI	S1
SP-040084	22.101	145	-	6.6.0	Rel-6	Alignment to TS 31.102 on FDN/BDN unsupported terminal procedure.	approved	A	6.7.0	Service aspects; Service principles	TEI	S1
SP-040091	22.101	146	-	6.6.0	Rel-6	Improvements to Circuit Switched Video and Voice Service procedures	approved	B	6.7.0	Service aspects; Service principles	CS-VVS	S1

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SP-040083	22.101	147	-	3.16.0	R99	Correction of emergency call set-up MMI requirements	approved	F	3.17.0	Service aspects; Service principles	EMC1	S1
SP-040083	22.101	148	-	4.9.0	Rel-4	Correction of emergency call set-up MMI requirements	approved	A	4.10.0	Service aspects; Service principles	EMC1	S1
SP-040083	22.101	149	-	5.12.0	Rel-5	Correction of emergency call set-up MMI requirements	approved	A	5.13.0	Service aspects; Service principles	EMC1	S1
SP-040101	22.101	150	-	6.6.0	Rel-6	Extraction of redundant WLAN information – now in WLAN TS22.234	approved	D	6.7.0	Service aspects; Service principles	WLAN	S1
SP-040101	22.101	151	-	6.6.0	Rel-6	Extraction of redundant WLAN related simultaneous connection information [now in WLAN TS22.234]	approved	D	6.7.0	Service aspects; Service principles	WLAN	S1
SP-040101	22.115	020	-	6.3.0	Rel-6	Extraction of redundant WLAN charging information – now in WLAN TS22.234	approved	D	6.4.0	Service Aspects Charging and billing	WLAN	S1
SP-040092	22.127	070	-	6.4.0	Rel-6	High Availability requirement for OSA	revised	B		Service Requirement for the Open Services Access (OSA); Stage 1	OSA3	S1
SP-040199	22.127	070	1	6.4.0	Rel-6	High Availability requirement for OSA	approved	B	6.5.0	Service Requirement for the Open Services Access (OSA); Stage 1	OSA3	S1
SP-040093	22.140	041	-	6.4.0	Rel-6	MMS targetting UE elements	revised	B		Multimedia Messaging Service (MMS); Stage 1	MMS	S1
SP-040203	22.140	041	1	6.4.0	Rel-6	MMS targetting UE elements	approved	B	6.5.0	Multimedia Messaging Service (MMS); Stage 1	MMS	S1
SP-040093	22.140	042	-	6.4.0	Rel-6	Prepaid – lack of credit error in MMS	approved	C	6.5.0	Multimedia Messaging Service (MMS); Stage 1	MESS 6	S1
SP-040093	22.140	043	-	6.4.0	Rel-6	Handling of private addressing schemes	rejected	B		Multimedia Messaging Service (MMS); Stage 1	MMS6 -SR	S1
SP-040094	22.146	042	-	6.3.0	Rel-6	Clarification on user requirements for notification of multicast sessions	approved	F	6.4.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	MBMS	S1
SP-040095	22.240	005	-	6.2.0	Rel-6	GUP UE Requirements	approved	F	6.3.0	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	GUP	S1
SP-040096	22.246	001	-	6.0.0	Rel-6	CR on advertising of capabilities required to receive a particular transmission	revised	B		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040204	22.246	001	1	6.0.0	Rel-6	CR on advertising of capabilities required to receive a particular transmission	approved	B	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040096	22.246	002	-	6.0.0	Rel-6	Addition of “MBMS transport service” definition	withdrawn	F		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040204	22.246	002	-	6.0.0	Rel-6	Addition of “MBMS transport service” definition	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040096	22.246	003	-	6.0.0	Rel-6	Clarification on delivery verification for MBMS user services	withdrawn	F		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040204	22.246	003	-	6.0.0	Rel-6	Clarification on delivery verification for MBMS user services	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040096	22.246	004	-	6.0.0	Rel-6	Using a single MBMS transport service for multiple MBMS user services	revised	C		Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040204	22.246	004	1	6.0.0	Rel-6	Using a single MBMS transport service for multiple MBMS user services	approved	C	6.1.0	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	MBMS	S1
SP-040031	23.002	136	-	6.3.0	Rel-6	Gq clean-up	approved	F	6.4.0	Network architecture	QoS1	S2
NP-040105	23.003	085	-	6.1.0	Rel-6	WLAN access parameters moved from TS 24.234 to TS 23.003	withdrawn	B		Numbering, addressing and identification	WLAN	N4
NP-040058	23.003	085	1	6.1.0	Rel-6	Addition of WLAN access identities	approved	B	6.2.0	Numbering, addressing and identification	WLAN	N4

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NP-040056	23.003	087	-	6.1.0	Rel-6	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	approved	B	6.2.0	Numbering, addressing and identification	PRESENC	N4
NP-040060	23.007	008	3	5.1.0	Rel-6	Change of Restart Counter definition for enhanced GTP	approved	C	6.0.0	Restoration procedures	GTP enhancement	N4
NP-040120	23.008	129	-	6.0.0	Rel-6	Inclusion of Access_Restriction_Data parameter	withdrawn	B		Organisation of subscriber data	TEI-6	N4
NP-040097	23.008	129	-	6.0.0	Rel-6	Inclusion of Access_Restriction_Data parameter	withdrawn	B		Organisation of subscriber data	TEI-6	N4
NP-040149	23.008	129	-	6.0.0	Rel-6	Inclusion of Access_Restriction_Data parameter	approved	B	6.1.0	Organisation of subscriber data	TEI-6	N4
NP-040103	23.008	130	2	6.0.0	Rel-6	Add IMEISV to 'data stored in the HLR' due to ADD function	revised	B		Organisation of subscriber data	TEI-6	N4
NP-040124	23.008	130	3	6.0.0	Rel-6	Add IMEISV to 'data stored in the HLR' due to ADD function	rejected	B		Organisation of subscriber data	TEI-6	N4
NP-040031	23.009	102	2	5.7.0	Rel-5	Renaming of the Available Codecs List to Iu Supported Codecs List	approved	F	5.8.0	Handover procedures	TEI-5	N1
NP-040097	23.012	014	1	5.2.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	B		Location management procedures	TEI-6	N4
NP-040120	23.012	014	1	5.2.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	B		Location management procedures	TEI-6	N4
NP-040149	23.012	014	1	5.2.0	Rel-6	Include administrative restriction subscription parameter	approved	B	6.0.0	Location management procedures	TEI-6	N4
NP-040100	23.012	015	2	5.2.0	Rel-6	Addition of ADD feature	revised	B		Location management procedures	TEI-6	N4
NP-040121	23.012	015	3	5.2.0	Rel-6	Addition of ADD feature	revised	B		Location management procedures	TEI-6	N4
NP-040140	23.012	015	4	5.2.0	Rel-6	Addition of ADD feature	rejected	B		Location management procedures	TEI-6	N4
NP-040044	23.016	031	2	3.9.0	R99	Correction to SS data for LCS SS	approved	A	3.10.0	Subscriber data management; Stage 2	LCS	N4
NP-040044	23.016	032	2	4.3.0	Rel-4	Correction to SS data for LCS SS	approved	A	4.4.0	Subscriber data management; Stage 2	LCS	N4
NP-040044	23.016	033	2	5.2.0	Rel-5	Correction to SS data for LCS SS	approved	A	5.3.0	Subscriber data management; Stage 2	LCS	N4
NP-040044	23.016	034	2	6.0.0	Rel-6	Correction to SS data for LCS SS	approved	A	6.1.0	Subscriber data management; Stage 2	LCS	N4
NP-040097	23.016	035	-	6.0.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	B		Subscriber data management; Stage 2	TEI-6	N4
NP-040120	23.016	035	-	6.0.0	Rel-6	Include administrative restriction subscription parameter	revised	B		Subscriber data management; Stage 2	TEI-6	N4
NP-040149	23.016	035	1	6.0.0	Rel-6	Include administrative restriction subscription parameter	approved	B	6.1.0	Subscriber data management; Stage 2	TEI-6	N4
NP-040051	23.018	134	-	5.8.0	Rel-5	Incorrect implementation of CR 133	revised	F		Basic Call Handling; Technical realization	SCUDIF	N4
NP-040139	23.018	134	1	5.8.0	Rel-5	Incorrect implementation of CR 133	approved	F	5.9.0	Basic Call Handling; Technical realization	SCUDIF	N4
NP-040051	23.018	135	-	6.1.0	Rel-6	Incorrect implementation of CR 133	revised	A		Basic Call Handling; Technical realization	SCUDIF	N4
NP-040139	23.018	135	1	6.1.0	Rel-6	Incorrect implementation of CR 133	approved	A	6.2.0	Basic Call Handling; Technical realization	SCUDIF	N4
NP-040049	23.018	136	1	5.8.0	Rel-5	Default Basic Service for gsmSCF-initiated calls	approved	F	5.9.0	Basic Call Handling; Technical realization	CAMEL4	N4
NP-040049	23.018	137	-	6.1.0	Rel-6	Default Basic Service for gsmSCF-initiated calls	approved	A	6.2.0	Basic Call Handling; Technical realization	CAMEL4	N4
TP-040049	23.040	069	-	5.6.1	Rel-5	Correction of error message for MAP_ForwardShortMessage	approved	F	5.7.0	Technical realization of Short Message Service (SMS)	TEI-5	T2
TP-040049	23.040	070	-	6.2.0	Rel-6	Correction of error message for MAP_ForwardShortMessage	approved	A	6.3.0	Technical realization of Short Message Service (SMS)	TEI-5	T2

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TP-040049	23.040	071	-	6.2.0	Rel-6	Procedure for confirming the existence of an SMS interworking agreement	revised	C		Technical realization of Short Message Service (SMS)	TEI-6	T2
TP-040059	23.040	071	1	6.2.0	Rel-6	Procedure for confirming the existence of an SMS interworking agreement	approved	C	6.3.0	Technical realization of Short Message Service (SMS)	TEI-6	T2
SP-040032	23.060	476	2	5.7.0	Rel-5	Correction on PDP context to SAPI mapping	approved	F	5.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-5	S2
SP-040032	23.060	477	2	6.3.0	Rel-6	Correction on PDP context to SAPI mapping	approved	A	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	481	4	6.3.0	Rel-6	Provision of S-CDR information to the GGSN	approved	C	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	CH	S2
SP-040032	23.060	482	-	6.3.0	Rel-6	Deletion of informative Annex B Figures and C Tables	approved	D	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	483	2	6.3.0	Rel-6	Partial roaming restrictions	approved	B	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	487	1	6.3.0	Rel-6	SGSN QoS restriction during GGSN initiated PDP ctx modification procedure	approved	F	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	488	3	6.3.0	Rel-6	Addition of IMEISV for Automatic Device Detection function	approved	B	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	490	1	6.3.0	Rel-6	Correction to pre-defined PFI	approved	F	6.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-6	S2
SP-040032	23.060	491	-	5.7.0	Rel-5	Removal of preservation procedure for realtime bearers in A/Gb mode	approved	F	5.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	TEI-5	S2
NP-040137	23.078	648	1	5.6.0	Rel-5	Missing DisconnectLeg Result to the gsmSCF	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	648	1	5.6.0	Rel-5	Missing DisconnectLeg Result to the gsmSCF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	648	1	5.6.0	Rel-5	Missing DisconnectLeg Result to the gsmSCF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040137	23.078	649	1	6.0.0	Rel-6	Missing DisconnectLeg Result to the gsmSCF	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	649	1	6.0.0	Rel-6	Missing DisconnectLeg Result to the gsmSCF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	649	1	6.0.0	Rel-6	Missing DisconnectLeg Result to the gsmSCF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040137	23.078	651	1	6.0.0	Rel-6	Correction to DP description tables	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	651	1	6.0.0	Rel-6	Correction to DP description tables	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	651	1	6.0.0	Rel-6	Correction to DP description tables	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2

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NP-040094	23.078	652	-	6.0.0	Rel-6	EDS and DisconnectLeg interworking	approved	F	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	EDCAMEL	N2
NP-040090	23.078	653	-	3.18.0	R99	DP Triggering without having armed the TDP	approved	F	3.19.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL3	N2
NP-040090	23.078	654	-	4.10.0	Rel-4	DP Triggering without having armed the TDP	approved	A	4.11.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL3	N2
NP-040090	23.078	655	-	5.6.0	Rel-5	DP Triggering without having armed the TDP	approved	A	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040090	23.078	656	-	6.0.0	Rel-6	DP Triggering without having armed the TDP	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040094	23.078	657	-	6.0.0	Rel-6	No receipt of Int_DP_Analysed_Information in state Monitoring	revised	D		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	EDCAMEL	N2
NP-040145	23.078	657	1	6.0.0	Rel-6	No receipt of Int_DP_Analysed_Information in state Monitoring	approved	F	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	EDCAMEL	N2
NP-040109	23.078	661	1	5.6.0	Rel-5	Correction to dialed services triggering for NP and NC calls	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	661	1	5.6.0	Rel-5	Correction to dialed services triggering for NP and NC calls	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	661	1	5.6.0	Rel-5	Correction to dialed services triggering for NP and NC calls	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	662	1	5.6.0	Rel-5	Correction to DP description tables	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	662	1	5.6.0	Rel-5	Correction to DP description tables	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	662	1	5.6.0	Rel-5	Correction to DP description tables	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	663	-	5.6.0	Rel-5	Correction to No Answer handling (CAMEL_OCH_MSC2)	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	663	-	5.6.0	Rel-5	Correction to No Answer handling (CAMEL_OCH_MSC2)	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	663	-	5.6.0	Rel-5	Correction to No Answer handling (CAMEL_OCH_MSC2)	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	666	1	5.6.0	Rel-5	Handling of DFCWA in ETC and CTR procedures	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040109	23.078	666	1	5.6.0	Rel-5	Handling of DFCWA in ETC and CTR procedures	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	666	1	5.6.0	Rel-5	Handling of DFCWA in ETC and CTR procedures	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	667	1	5.6.0	Rel-5	Correction to CUG handling for NP calls	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	667	1	5.6.0	Rel-5	Correction to CUG handling for NP calls	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	667	1	5.6.0	Rel-5	Correction to CUG handling for NP calls	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	668	1	5.6.0	Rel-5	Correction to CAMEL_ICA_MSC (hanging connector)	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	668	1	5.6.0	Rel-5	Correction to CAMEL_ICA_MSC (hanging connector)	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	668	1	5.6.0	Rel-5	Correction to CAMEL_ICA_MSC (hanging connector)	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	669	1	5.6.0	Rel-5	Allowing Export_leg at DP Alerting and DP Answer	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	669	1	5.6.0	Rel-5	Allowing Export_leg at DP Alerting and DP Answer	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	669	1	5.6.0	Rel-5	Allowing Export_leg at DP Alerting and DP Answer	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	670	-	5.6.0	Rel-5	Correction to handling of DFC in CS_gsmSSF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	670	-	5.6.0	Rel-5	Correction to handling of DFC in CS_gsmSSF	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	670	-	5.6.0	Rel-5	Correction to handling of DFC in CS_gsmSSF	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	671	2	5.6.0	Rel-5	Correction to Request Report BCSM Event handling in CSA_gsmSSF	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	671	2	5.6.0	Rel-5	Correction to Request Report BCSM Event handling in CSA_gsmSSF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	671	2	5.6.0	Rel-5	Correction to Request Report BCSM Event handling in CSA_gsmSSF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040137	23.078	673	2	5.6.0	Rel-5	Correction to Split Leg handling in CSA_gsmSSF	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	673	2	5.6.0	Rel-5	Correction to Split Leg handling in CSA_gsmSSF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	673	2	5.6.0	Rel-5	Correction to Split Leg handling in CSA_gsmSSF	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	674	1	5.6.0	Rel-5	Correction to both way through parameter for ETC and CTR	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	674	1	5.6.0	Rel-5	Correction to both way through parameter for ETC and CTR	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	674	1	5.6.0	Rel-5	Correction to both way through parameter for ETC and CTR	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	675	1	5.6.0	Rel-5	Correction to CS ID in Prompt & Collect User Information	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	675	1	5.6.0	Rel-5	Correction to CS ID in Prompt & Collect User Information	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	675	1	5.6.0	Rel-5	Correction to CS ID in Prompt & Collect User Information	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	676	1	5.6.0	Rel-5	Correction to forwarded leg handling with Suppress O-CSI	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	676	1	5.6.0	Rel-5	Correction to forwarded leg handling with Suppress O-CSI	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	676	1	5.6.0	Rel-5	Correction to forwarded leg handling with Suppress O-CSI	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	677	1	5.6.0	Rel-5	Correction to ORLCF handling for CAMEL calls in VMSC	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	677	1	5.6.0	Rel-5	Correction to ORLCF handling for CAMEL calls in VMSC	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	677	1	5.6.0	Rel-5	Correction to ORLCF handling for CAMEL calls in VMSC	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	678	-	5.6.0	Rel-5	Correction to Information Location at DP O_Term_Seized	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	678	-	5.6.0	Rel-5	Correction to Information Location at DP O_Term_Seized	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040136	23.078	678	-	5.6.0	Rel-5	Correction to Information Location at DP O_Term_Seized	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	679	2	5.6.0	Rel-5	Correction to Tssf timer at Apply Charging	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	679	2	5.6.0	Rel-5	Correction to Tssf timer at Apply Charging	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	679	2	5.6.0	Rel-5	Correction to Tssf timer at Apply Charging	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	680	1	5.6.0	Rel-5	Correction to SplitLeg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	680	1	5.6.0	Rel-5	Correction to SplitLeg preconditions	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	680	1	5.6.0	Rel-5	Correction to SplitLeg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040111	23.078	681	2	5.6.0	Rel-5	Correction to Disconnect Leg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040093	23.078	681	2	5.6.0	Rel-5	Correction to Disconnect Leg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040138	23.078	681	2	5.6.0	Rel-5	Correction to Disconnect Leg preconditions	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040093	23.078	682	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	revised	B		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040138	23.078	682	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	approved	B	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI-6	N2
NP-040111	23.078	682	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	revised	B		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040090	23.078	686	1	6.0.0	Rel-6	GPRS ODB reporting to CAMEL SCP	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL3	N2
NP-040131	23.078	686	1	6.0.0	Rel-6	GPRS ODB reporting to CAMEL SCP	approved	F	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI-6	N2
NP-040095	23.078	688	2	6.0.0	Rel-6	CAMEL4 SCUDIF notification during active call for prepay	approved	B	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	SCCAMEL	N2
NP-040111	23.078	689	1	6.0.0	Rel-6	NoReply timer clarification for follow-on calls	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040093	23.078	689	1	6.0.0	Rel-6	NoReply timer clarification for follow-on calls	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040138	23.078	689	1	6.0.0	Rel-6	NoReply timer clarification for follow-on calls	approved	F	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	TEI-6	N2
NP-040096	23.078	692	4	5.6.0	Rel-5	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040096	23.078	693	1	6.0.0	Rel-6	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	694	-	6.0.0	Rel-6	Correction to dialed services triggering for NP and NC calls	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040136	23.078	694	-	6.0.0	Rel-6	Correction to dialed services triggering for NP and NC calls	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040091	23.078	694	-	6.0.0	Rel-6	Correction to dialed services triggering for NP and NC calls	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040136	23.078	695	-	6.0.0	Rel-6	Correction to No Answer handling (CAMEL_OCH_MSC2)	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040091	23.078	695	-	6.0.0	Rel-6	Correction to No Answer handling (CAMEL_OCH_MSC2)	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	695	-	6.0.0	Rel-6	Correction to No Answer handling (CAMEL_OCH_MSC2)	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040136	23.078	696	-	6.0.0	Rel-6	Correction to handling of DFC in CS_gsmSSF	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040091	23.078	696	-	6.0.0	Rel-6	Correction to handling of DFC in CS_gsmSSF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	696	-	6.0.0	Rel-6	Correction to handling of DFC in CS_gsmSSF	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040091	23.078	697	-	6.0.0	Rel-6	Correction to both way through parameter for ETC and CTR	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	697	-	6.0.0	Rel-6	Correction to both way through parameter for ETC and CTR	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040136	23.078	697	-	6.0.0	Rel-6	Correction to both way through parameter for ETC and CTR	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	698	-	6.0.0	Rel-6	Correction to forwarded leg handling with Suppress O-CSI	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2

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NP-040091	23.078	698	-	6.0.0	Rel-6	Correction to forwarded leg handling with Suppress O-CSI	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	698	-	6.0.0	Rel-6	Correction to forwarded leg handling with Suppress O-CSI	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	699	-	6.0.0	Rel-6	Correction to ORLCF handling for CAMEL calls in VMSC	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	699	-	6.0.0	Rel-6	Correction to ORLCF handling for CAMEL calls in VMSC	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	699	-	6.0.0	Rel-6	Correction to ORLCF handling for CAMEL calls in VMSC	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040136	23.078	700	-	6.0.0	Rel-6	Handling of DFCWA in ETC and CTR procedures	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040109	23.078	700	-	6.0.0	Rel-6	Handling of DFCWA in ETC and CTR procedures	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040091	23.078	700	-	6.0.0	Rel-6	Handling of DFCWA in ETC and CTR procedures	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	701	-	6.0.0	Rel-6	Correction to CUG handling for NP calls	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	701	-	6.0.0	Rel-6	Correction to CUG handling for NP calls	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	701	-	6.0.0	Rel-6	Correction to CUG handling for NP calls	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	702	-	6.0.0	Rel-6	Correction to CAMEL_ICA_MSC (hanging connector)	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	702	-	6.0.0	Rel-6	Correction to CAMEL_ICA_MSC (hanging connector)	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	702	-	6.0.0	Rel-6	Correction to CAMEL_ICA_MSC (hanging connector)	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	703	-	6.0.0	Rel-6	Correction to Request Report BCSM Event handling in CSA_gsmSSF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	703	-	6.0.0	Rel-6	Correction to Request Report BCSM Event handling in CSA_gsmSSF	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	703	-	6.0.0	Rel-6	Correction to Request Report BCSM Event handling in CSA_gsmSSF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2

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NP-040137	23.078	704	-	6.0.0	Rel-6	Correction to Split Leg handling in CSA_gsmSSF	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	704	-	6.0.0	Rel-6	Correction to Split Leg handling in CSA_gsmSSF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	704	-	6.0.0	Rel-6	Correction to Split Leg handling in CSA_gsmSSF	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	705	-	6.0.0	Rel-6	Correction to CS ID in Prompt & Collect User Information	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040137	23.078	705	-	6.0.0	Rel-6	Correction to CS ID in Prompt & Collect User Information	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	705	-	6.0.0	Rel-6	Correction to CS ID in Prompt & Collect User Information	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040092	23.078	706	-	6.0.0	Rel-6	Correction to SplitLeg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040137	23.078	706	-	6.0.0	Rel-6	Correction to SplitLeg preconditions	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040110	23.078	706	-	6.0.0	Rel-6	Correction to SplitLeg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040138	23.078	707	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040093	23.078	707	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040111	23.078	707	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040136	23.078	708	-	6.0.0	Rel-6	Correction to Information Location at DP O_Term_Seized	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040109	23.078	708	-	6.0.0	Rel-6	Correction to Information Location at DP O_Term_Seized	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040091	23.078	708	-	6.0.0	Rel-6	Correction to Information Location at DP O_Term_Seized	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040138	23.078	709	-	5.6.0	Rel-5	Starting of Timer Tccd after ACR on DP 'Change of Position'	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2
NP-040093	23.078	709	-	5.6.0	Rel-5	Starting of Timer Tccd after ACR on DP 'Change of Position'	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAME L4	N2

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NP-040111	23.078	709	-	5.6.0	Rel-5	Starting of Timer Tccd after ACR on DP 'Change of Position'	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040138	23.078	710	-	6.0.0	Rel-6	Starting of Timer Tccd after ACR on DP 'Change of Position'	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040111	23.078	710	-	6.0.0	Rel-6	Starting of Timer Tccd after ACR on DP 'Change of Position'	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040093	23.078	710	-	6.0.0	Rel-6	Starting of Timer Tccd after ACR on DP 'Change of Position'	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	711	-	6.0.0	Rel-6	Correction to Tssf timer at Apply Charging	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	711	-	6.0.0	Rel-6	Correction to Tssf timer at Apply Charging	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	711	-	6.0.0	Rel-6	Correction to Tssf timer at Apply Charging	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040137	23.078	712	-	6.0.0	Rel-6	Allowing Export_leg at DP Alerting and DP Answer	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040092	23.078	712	-	6.0.0	Rel-6	Allowing Export_leg at DP Alerting and DP Answer	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
NP-040110	23.078	712	-	6.0.0	Rel-6	Allowing Export_leg at DP Alerting and DP Answer	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	CAMEL4	N2
SP-040033	23.107	148	2	5.11.0	Rel-5	Correction to the use of delivery order set to yes	approved	F	5.12.0	Quality of Service (QoS) concept and architecture	TEI	S2
SP-040033	23.107	149	2	6.0.0	Rel-6	Correction to the use of delivery order set to yes	approved	A	6.1.0	Quality of Service (QoS) concept and architecture	TEI	S2
SP-040033	23.107	150	2	6.0.0	Rel-6	ARP Clarification	approved	F	6.1.0	Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040033	23.107	151	1	6.0.0	Rel-6	Removal of reliability class 1	approved	F	6.1.0	Quality of Service (QoS) concept and architecture	TEI-6	S2
NP-040037	23.122	067	1	5.3.0	Rel-6	Definition of MS idle mode	approved	F	6.0.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI-6	N1
NP-040037	23.122	068	-	5.3.0	Rel-6	Usage of HPLMNAcT by the UE	approved	F	6.0.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	TEI-6	N1
TP-040050	23.140	149	-	6.4.0	Rel-6	On the handling of MM7 messages composed with different XML schema	approved	F	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	150	-	5.9.0	Rel-5	Correction of the MM7 Schema, change “TimeStamp” to “date”	approved	F	5.10.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MESS5-MMS	T2
TP-040050	23.140	151	-	6.4.0	Rel-6	Correction of the MM7 Schema, change “TimeStamp” to “date”	approved	A	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	152	-	6.4.0	Rel-6	MM7 – Charged party, third party value	approved	F	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2

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TP-040050	23.140	153	-	6.4.0	Rel-6	MMS Online Charging	approved	B	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	154	-	6.4.0	Rel-6	Updates to Annex M (Delivery Report Generation)	approved	F	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	155	-	6.4.0	Rel-6	Content of RCPT in MM4	approved	F	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	156	-	6.4.0	Rel-6	Management of Hyperlinks in MMS	approved	B	6.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
TP-040050	23.140	157	-	6.4.0	Rel-6	Clarification on recipient list	rejected	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	MMS6	T2
SP-040054	23.141	060	-	6.4.0	Rel-6	Support for Ut reference point	approved	F	6.5.0	Presence service; Architecture and functional description; Stage 2	PRESNC	S2
SP-040054	23.141	060	-	6.4.0	Rel-6	Support for Ut reference point	approved	F	6.5.0	Presence service; Architecture and functional description; Stage 2	PRESENC	S2
NP-040053	23.153	068	5	5.6.0	Rel-5	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	approved	F	5.7.0	Out of Band Transcoder Control; Stage 2	OoBTC	N4
NP-040053	23.153	069	4	5.6.0	Rel-5	Correction of Inter-MSC SRSN Relocation procedure	approved	F	5.7.0	Out of Band Transcoder Control; Stage 2	OoBTC	N4
SP-040040	23.171	030	-	3.10.0	R99	Routing of Emergency Calls based on Geographical Coordinates	approved	B	3.11.0	Location Services (LCS); Functional description; Stage 2 (UMTS)	LCS	S2
NP-040081	23.172	022	2	5.3.0	Rel-5	SCUDIF corrections for CAMEL interworking	approved	F	5.4.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUDIF	N3
NP-040081	23.172	023	2	5.3.0	Rel-5	SCUDIF corrections for user interaction	approved	F	5.4.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUDIF	N3
NP-040081	23.172	024	2	5.3.0	Rel-5	SCUDIF corrections for ISUP/BICC interworking	approved	F	5.4.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	SCUDIF	N3
NP-040086	23.172	025	2	5.3.0	Rel-6	Network-Initiated Service Change for SCUDIF	revised	B		Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	TEI	N3
NP-040147	23.172	025	3	5.3.0	Rel-6	Network-Initiated Service Change for SCUDIF	approved	B	6.0.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	TEI-6	N3
SP-040034	23.195	008	2	5.2.0	Rel-5	Removal of text passages with unclear status	approved	F	5.3.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
SP-040034	23.195	010	-	5.2.0	Rel-5	Alignment of text with figure	approved	F	5.3.0	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	LATE_UE	S2
NP-040052	23.205	050	1	5.6.0	Rel-5	Renaming of the Available Codecs List to Iu Supported Codecs List	approved	F	5.7.0	Bearer-independent circuit-switched core network; Stage 2	TEI-5	N4
SP-040035	23.207	068	1	6.1.1	Rel-6	Mapping amendment to PDF procedures	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040035	23.207	069	2	6.1.1	Rel-6	Mapping amendment to AF procedures	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040035	23.207	072	1	5.8.0	Rel-5	Update Authorization Procedure	approved	F	5.9.0	End-to-end Quality of Service (QoS) concept and architecture	E2EQoS	S2
SP-040035	23.207	073	1	6.1.1	Rel-6	SBLP implications of bundling different IMS sessions to the same PDP Context	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1, IMS2	S2

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SP-040035	23.207	074	1	6.1.1	Rel-6	Update of Authorization on Gq	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
SP-040035	23.207	075	1	6.1.1	Rel-6	Service information	approved	B	6.2.0	End-to-end Quality of Service (QoS) concept and architecture	QoS1	S2
NP-040032	23.218	064	1	6.0.0	Rel-6	Dh Interface	approved	B	6.1.0	IP Multimedia (IM) session handling; IM call model; Stage 2	IMS2	N1
NP-040032	23.218	066	2	6.0.0	Rel-6	Initiating Back to Back User Agent	approved	F	6.1.0	IP Multimedia (IM) session handling; IM call model; Stage 2	IMS2	N1
SP-040036	23.221	044	2	6.1.0	Rel-6	Include administrative restriction subscription parameter	approved	B	6.2.0	Architectural requirements	TEI-6	S2
SP-040036	23.221	045	-	5.8.0	Rel-5	Interaction between Shared Network in Connected mode, reject of Mobility Management procedures and Common Id	approved	F	5.9.0	Architectural requirements	TEI	S2
SP-040036	23.221	046	-	6.1.0	Rel-6	Interaction between Shared Network in Connected mode, reject of Mobility Management procedures and Common Id	approved	A	6.2.0	Architectural requirements	TEI	S2
SP-040037	23.228	381	3	6.4.1	Rel-6	Session based messaging: general principles	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	382	1	6.4.1	Rel-6	Session based Messaging without preconditions	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	384	2	6.4.1	Rel-6	Session based Messaging with AS intermediate node	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	385	2	6.4.1	Rel-6	Session based messaging release procedure	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	387	2	6.4.1	Rel-6	An optimisation in registration information flow for user not registered	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	390	1	6.4.1	Rel-6	Registration and Public User Identity	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	391	5	6.4.1	Rel-6	Record Route at S-CSCF	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	393	1	6.4.1	Rel-6	Alignment of headings with drafting rules	approved	D	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	394	2	6.4.1	Rel-6	PSI clean-up	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	395	5	6.4.1	Rel-6	Relation of IMS sessions and PDP Contexts	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	396	1	6.4.1	Rel-6	Support for Caller preferences	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	397	3	6.4.1	Rel-6	Message size limitations for Immediate messaging	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	398	4	6.4.1	Rel-6	Session based messaging requirements and flows	approved	B	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	399	1	6.4.1	Rel-6	Reference to Local Services in Chapter 4.3.3.3a of 23.228	approved	D	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	403	1	6.4.1	Rel-6	Proposed clarifications to MRFC/MRFP	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	404	1	6.4.1	Rel-6	Relationship between private user IDs and IMS subscription	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	405	1	6.4.1	Rel-6	Resource reservation in IMS	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	406	1	6.4.1	Rel-6	Architectural support for AS origination	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	407	2	6.4.1	Rel-6	Clarification of forking capabilities	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	408	1	6.4.1	Rel-6	PSIs for local services	approved	F	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	409	2	6.4.1	Rel-6	Group management clarification	approved	C	6.5.0	IP Multimedia Subsystem (IMS); Stage 2	IMS2	S2
SP-040037	23.228	410	-	5.11.0	Rel-5	Relation of IMS sessions and PDP Contexts	approved	F	5.12.0	IP Multimedia Subsystem (IMS); Stage 2	IMS-CCR	S2
SP-040038	23.240	006	4	6.2.0	Rel-6	Adding a listing function	approved	B	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040038	23.240	013	2	6.2.0	Rel-6	Rg reference point alignment with Liberty ID-WSF	approved	F	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040038	23.240	014	-	6.2.0	Rel-6	Generalizing the subscriber identity term to resource identity	approved	F	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2

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SP-040038	23.240	015	1	6.2.0	Rel-6	Authorization enhancements	approved	C	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040038	23.240	016	-	6.2.0	Rel-6	Authorization model alignment with GUP Information Model	approved	C	6.3.0	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	GUP	S2
SP-040039	23.246	012	4	6.1.0	Rel-6	Paging Coordination	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	030	2	6.1.0	Rel-6	Clarification of MBMS Multicast Service Activation	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	031	2	6.1.0	Rel-6	Create MBMS Bearer Context in GGSN	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	036	1	6.1.0	Rel-6	TMGI distribution mechanism for Broadcast mode	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	038	2	6.1.0	Rel-6	Buffering of MBMS data at the RNC	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	039	1	6.1.0	Rel-6	Distribution of BM-SC functionality	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	040	-	6.1.0	Rel-6	MBMS Application Adjunct Server	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	041	2	6.1.0	Rel-6	MBMS TS scope	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	042	3	6.1.0	Rel-6	SGSN filtering of RAs to support RA-based optimization	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	043	-	6.1.0	Rel-6	Complete the MBMS Service Request Procedure	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	044	1	6.1.0	Rel-6	Correction on De-Registration Procedure	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	049	-	6.1.0	Rel-6	TMGI Definition and Objective	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040039	23.246	050	1	6.1.0	Rel-6	NSAPI in MBMS Multicast Service Activation	approved	F	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	MBMS	S2
SP-040040	23.271	242	2	6.6.0	Rel-6	Roaming support for Area Event LDR	approved	B	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040040	23.271	243	1	6.6.0	Rel-6	Clarification on the privacy check procedure in Rel-6, regarding the PLMN Operator service	approved	F	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040040	23.271	244	1	6.6.0	Rel-6	Integration of IMS Users into the LCS Architecture	approved	B	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040040	23.271	245	-	4.10.0	Rel-4	R4 Mirror CR: Routing of Emergency Calls based on Geographical Coordinates	approved	B	4.11.0	Location Services (LCS); Functional description; Stage 2	LCS	S2

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SP-040040	23.271	246	-	5.9.0	Rel-5	Routing of Emergency Calls based on Geographical Coordinates	approved	A	5.10.0	Location Services (LCS); Functional description; Stage 2	LCS	S2
SP-040040	23.271	252	1	6.6.0	Rel-6	Introduction of LCS QoS Class and Enhencement of MO-LR	revised	B		Location Services (LCS); Functional description; Stage 2	LCS2	S2
SP-040207	23.271	252	7	6.6.0	Rel-6	Introduction of LCS QoS Class and Enhencement of MO-LR	approved	B	6.7.0	Location Services (LCS); Functional description; Stage 2	LCS2	S2
NP-040038	24.008	831	2	6.3.0	Rel-6	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	approved	C	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040038	24.008	832	-	6.3.0	Rel-6	Clarification on the meaning of MS network capability indicator bits	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040025	24.008	833	1	3.17.0	R99	Conditions for PFI usage	approved	F	3.18.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040025	24.008	834	1	4.12.0	Rel-4	Conditions for PFI usage	approved	A	4.13.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040025	24.008	835	1	5.10.0	Rel-5	Conditions for PFI usage	approved	A	5.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040025	24.008	836	1	6.3.0	Rel-6	Conditions for PFI usage	approved	A	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI	N1
NP-040038	24.008	841	2	6.3.0	Rel-6	Added Session Management (SM) Cause Value for APN Type Conflict	approved	B	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040038	24.008	842	-	6.3.0	Rel-6	Correction of the condition for the tear down of PDP contexts	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040038	24.008	844	-	6.3.0	Rel-6	Status of PFI value after PDP context modification	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040038	24.008	845	1	6.3.0	Rel-6	MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040030	24.008	846	2	5.10.0	Rel-5	Handling of key sets	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-5	N1
NP-040099	24.008	846	3	5.10.0	Rel-5	Handling of key sets	approved	F	5.11.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-5	N1
NP-040030	24.008	847	2	6.3.0	Rel-6	Handling of key sets	approved	A	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-5	N1
NP-040038	24.008	849	2	6.3.0	Rel-6	Clarification of UE behaviour at network initiated GPRS Detach	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1
NP-040038	24.008	851	-	6.3.0	Rel-6	MS class behaviour in case of a network inititated detach with detach type "IMSI detach"	approved	F	6.4.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	TEI-6	N1

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NP-040059	24.030	015	-	6.0.0	Rel-6	Removal of R-GMLC Address	approved	F	6.1.0	Location Services (LCS); Supplementary service operations; Stage 3	LCS2	N4
NP-040059	24.030	016	-	6.0.0	Rel-6	MO-LR Service Identity support in TS 24.030	approved	B	6.1.0	Location Services (LCS); Supplementary service operations; Stage 3	LCS2	N4
NP-040059	24.080	033	1	6.0.0	Rel-6	MO-LR Service Identity support in TS 24.080	approved	B	6.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	LCS2	N4
NP-040059	24.080	034	-	6.0.0	Rel-6	Removal of R-GMLC Address	approved	F	6.1.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	LCS2	N4
NP-040026	24.228	127	1	5.7.0	Rel-5	P-Charging-Function-Addresses header	rejected	F		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-040026	24.228	128	-	5.7.0	Rel-5	Editorial modification in notation conventions	approved	F	5.8.0	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-040027	24.229	367	6	5.7.0	Rel-5	Completion of major capabilities table in respect of privacy	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	488	3	6.1.0	Rel-6	Completion of major capabilities table in respect of privacy	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	498	5	5.7.0	Rel-5	P-CSCF integrity protection	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	499	5	6.1.0	Rel-6	P-CSCF integrity protection	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040032	24.229	578	1	6.1.0	Rel-6	UE requesting no-fork	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040032	24.229	579	1	6.1.0	Rel-6	Inclusion of caller preferences into profile	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040027	24.229	585	1	5.7.0	Rel-5	Network-initiated re-authentication	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	586	1	6.1.0	Rel-6	Network-initiated re-authentication	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1

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NP-040032	24.229	588	1	6.1.0	Rel-6	Re-authentication - Abnormal cases	approved	F	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040027	24.229	591	1	5.7.0	Rel-5	Itegrity protected - correction	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	592	1	6.1.0	Rel-6	Itegrity protected - correction	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040032	24.229	596	1	6.1.0	Rel-6	Sec-agree parameter in "Proxy-Require" header	approved	F	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040027	24.229	599	2	5.7.0	Rel-5	Record-Route in target refresh and subsequent request	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040027	24.229	600	2	6.1.0	Rel-6	Record-Route in target refresh and subsequent request	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040028	24.229	601	1	5.7.0	Rel-5	Missing statements regarding P-Charging-Function-Addresses	rejected	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-040039	24.229	601	2	5.7.0	Rel-5	Missing statements regarding P-Charging-Function-Addresses	rejected	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-040028	24.229	602	1	6.1.0	Rel-6	Missing statements regarding P-Charging-Function-Addresses	rejected	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-040040	24.229	602	2	6.1.0	Rel-6	Missing statements regarding P-Charging-Function-Addresses	rejected	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-040035	24.229	603	-	6.1.0	Rel-6	Cleanup for IP-CAN and GPRS	approved	D	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMSCOOP	N1
NP-040032	24.229	604	-	6.1.0	Rel-6	Forking in S-CSCF	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1

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NP-040033	24.229	605	2	6.1.0	Rel-6	Determination of S-CSCF role	revised	B		Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040108	24.229	605	3	6.1.0	Rel-6	Determination of S-CSCF role	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040029	24.229	607	2	5.7.0	Rel-5	Unprotected deregistration	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-040134	24.229	607	3	5.7.0	Rel-5	Unprotected deregistration	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040029	24.229	608	2	6.1.0	Rel-6	Unprotected deregistration	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-040134	24.229	608	3	6.1.0	Rel-6	Unprotected deregistration	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040029	24.229	609	-	5.7.0	Rel-5	Sending authentication challenge	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040029	24.229	610	-	6.1.0	Rel-6	Sending authentication challenge	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040033	24.229	613	-	6.1.0	Rel-6	Reference to PDF operation	approved	F	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040029	24.229	614	1	5.7.0	Rel-5	Support of MESSAGE (Profile Tables)	approved	F	5.8.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040029	24.229	615	1	6.1.0	Rel-6	Support of MESSAGE (Profile Tables)	approved	A	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS-CCR	N1
NP-040033	24.229	616	2	6.1.0	Rel-6	Introduction of PSI Routing to 24.229	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1

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NP-040033	24.229	617	1	6.1.0	Rel-6	P-CSCF Re-selection	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040033	24.229	618	-	6.1.0	Rel-6	I-CSCF does not re-select S-CSCF during re-registration	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
NP-040033	24.229	620	1	6.1.0	Rel-6	Handling of media authorization token due to messaging	approved	B	6.2.0	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	IMS2	N1
RP-040039	25.101	324	-	6.3.0	Rel-6	Introduction of UMTS 1.7/2.1 GHz requirements	approved	B	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS1721	R4
RP-040042	25.101	325	-	6.3.0	Rel-6	Additional spurious emission requirements for Bands II and V to protect 1.7/2.1 GHz	approved	F	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-6	R4
RP-040042	25.101	326	-	6.3.0	Rel-6	Additional spurious emission requirements for Band I to protect UMTS800	approved	F	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-6	R4
RP-040036	25.101	327	-	5.9.0	Rel-5	Clarification of frequency error observation period for PRACH preambles	approved	F	5.10.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-5	R4
RP-040036	25.101	328	-	6.3.0	Rel-6	Clarification of frequency error observation period for PRACH preambles	approved	A	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-5	R4
RP-040042	25.101	329	1	6.3.0	Rel-6	Clarification to Power on/off time mask diagram	approved	F	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-6	R4
RP-040043	25.101	331	-	6.3.0	Rel-6	Reduction of channel number for UMTS800(band VI)	approved	F	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	RInImp-UMTS800	R4
RP-040036	25.101	332	-	5.9.0	Rel-5	Correction of a typo in section 9.3.2.2. (CQI Testing for UE Capability Categories 11 and 12)	approved	F	5.10.0	User Equipment (UE) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040036	25.101	333	-	5.9.0	Rel-5	Minimum requirements for UE ACS	approved	F	5.10.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-5	R4
RP-040036	25.101	334	-	6.3.0	Rel-6	Minimum requirements for UE ACS	approved	A	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI-5	R4
RP-040044	25.101	335	1	3.16.0	R99	Minimum requirements for TPC combining in soft Handover	approved	F	3.17.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-040044	25.101	336	1	4.10.0	Rel-4	Minimum requirements for TPC combining in soft Handover	approved	A	4.11.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-040044	25.101	337	1	5.9.0	Rel-5	Minimum requirements for TPC combining in soft Handover	approved	A	5.10.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-040044	25.101	338	1	6.3.0	Rel-6	Minimum requirements for TPC combining in soft Handover	approved	A	6.4.0	User Equipment (UE) radio transmission and reception (FDD)	TEI	R4
RP-040039	25.104	216	1	6.4.0	Rel-6	Introduction of UMTS 1.7/2.1 GHz requirements	approved	B	6.5.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS1721	R4
RP-040040	25.104	217	-	6.4.0	Rel-6	Co-existence with UTRA FDD in frequency band IV	approved	F	6.5.0	Base Station (BS) radio transmission and reception (FDD)	TEI-6	R4

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RP-040041	25.104	218	-	6.4.0	Rel-6	Performance requirements for HS-DPCCH signaling detection	approved	B	6.5.0	Base Station (BS) radio transmission and reception (FDD)	HSDPA-RF	R4
RP-040040	25.104	219	-	6.4.0	Rel-6	Co-existence with UTRA FDD in frequency band VI	approved	F	6.5.0	Base Station (BS) radio transmission and reception (FDD)	TEI-6	R4
RP-040043	25.104	221	-	6.4.0	Rel-6	Reduction of channel number for UMTS800(band VI)	approved	F	6.5.0	Base Station (BS) radio transmission and reception (FDD)	RInImp-UMTS800	R4
RP-040035	25.123	334	1	4.11.0	Rel-4	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	approved	F	4.12.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-040035	25.123	335	1	5.7.0	Rel-5	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	approved	A	5.8.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-040035	25.123	336	1	6.0.0	Rel-6	Test case for SFN-SFN observed time difference type 2 for 1.28Mcps TDD	approved	A	6.1.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-040042	25.123	339	1	6.0.0	Rel-6	Some correction to GSM reselection in CELL_FACH for 1.28Mcps TDD	approved	F	6.1.0	Requirements for support of radio resource management (TDD)	LCRTDD-RF	R4
RP-040042	25.133	647	1	6.4.0	Rel-6	Clarify measurement control for FDD/FDD Inter-frequency Hard Handover test case	approved	F	6.5.0	Requirements for support of radio resource management (FDD)	TEI-6	R4
RP-040037	25.133	648	1	5.9.0	Rel-5	Test case for multipath fading intra-frequency cell identification	approved	F	5.10.0	Requirements for support of radio resource management (FDD)	TEI-5	R4
RP-040037	25.133	649	1	6.4.0	Rel-6	Test case for multipath fading intra-frequency cell identification	approved	A	6.5.0	Requirements for support of radio resource management (FDD)	TEI-5	R4
RP-040039	25.133	650	1	6.4.0	Rel-6	Introduction of band IV, V and VI requirements	approved	F	6.5.0	Requirements for support of radio resource management (FDD)	RInImp-UMTS850; UMTS800; UMTS1721	R4
RP-040034	25.133	651	1	3.16.0	R99	Inter system HO from UTRAN FDD to GSM	approved	F	3.17.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040034	25.133	652	1	4.11.0	Rel-4	Inter system HO from UTRAN FDD to GSM	approved	A	4.12.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040034	25.133	653	1	5.9.0	Rel-5	Inter system HO from UTRAN FDD to GSM	approved	A	5.10.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040034	25.133	654	1	6.4.0	Rel-6	Inter system HO from UTRAN FDD to GSM	approved	A	6.5.0	Requirements for support of radio resource management (FDD)	TEI	R4
RP-040039	25.141	336	1	6.4.0	Rel-6	Introduction of UMTS 1.7/2.1 GHz requirements	approved	B	6.5.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS1721	R4
RP-040040	25.141	337	-	6.4.0	Rel-6	Co-existence with UTRA FDD in frequency band IV	approved	F	6.5.0	Base Station (BS) conformance testing (FDD)	TEI-6	R4
RP-040041	25.141	338	1	6.4.0	Rel-6	Performance requirements for HS-DPCCH signaling detection	revised	B		Base Station (BS) conformance testing (FDD)	HSDPA-RF	R4

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RP-040045	25.141	338	2	6.4.0	Rel-6	Performance requirements for HS-DPCCH signaling detection	approved	B	6.5.0	Base Station (BS) conformance testing (FDD)	HSDPA-RF	R4
RP-040040	25.141	339	-	6.4.0	Rel-6	Co-existence with UTRA FDD in frequency band VI	approved	F	6.5.0	Base Station (BS) conformance testing (FDD)	TEI-6	R4
RP-040042	25.141	341	-	6.4.0	Rel-6	Introduction of DCH performance test requirements for BS without Rx diversity	approved	B	6.5.0	Base Station (BS) conformance testing (FDD)	TEI-6	R4
RP-040043	25.141	342	-	6.4.0	Rel-6	Reduction of channel number for UMTS800(band VI)	approved	F	6.5.0	Base Station (BS) conformance testing (FDD)	RInImp-UMTS800	R4
RP-040087	25.211	189	-	6.0.0	Rel-6	Re-Introduction of S-CPICH in combination with Closed Loop TxDiversity	rejected	B		Physical channels and mapping of transport channels onto physical channels (FDD)	TEI-6	R1
RP-040085	25.212	181	3	5.7.0	Rel-5	CCTrCH definition extension to HS-DSCH	approved	F	5.8.0	Multiplexing and channel coding (FDD)	TEI-5	R1
RP-040085	25.212	187	1	6.0.0	Rel-6	CCTrCH definition extension to HS-DSCH	approved	A	6.1.0	Multiplexing and channel coding (FDD)	TEI-5	R1
RP-040123	25.214	331	11	5.7.0	Rel-5	Clarification on reconfiguration of HSDPA	rejected	F		Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040086	25.214	340	-	5.7.0	Rel-5	Beta values for HS-DPCCH in compressed mode	approved	F	5.8.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040086	25.214	341	-	6.0.0	Rel-6	Beta values for HS-DPCCH in compressed mode	approved	A	6.1.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040123	25.214	342	3	6.0.0	Rel-6	Clarification on reconfiguration of HSDPA	rejected	A		Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040086	25.214	345	1	5.7.0	Rel-5	ACK/NACK repetition factor	approved	F	5.8.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040086	25.214	346	1	6.0.0	Rel-6	ACK/NACK repetition factor	approved	A	6.1.0	Physical layer procedures (FDD)	HSDPA-Phys	R1
RP-040088	25.225	069	1	6.0.0	Rel-6	Interference measurement in UpPTS for 1.28Mcps TDD	approved	B	6.1.0	Physical layer; Measurements (TDD)	TEI-6	R1
RP-040084	25.225	076	1	4.7.0	Rel-4	Clarification of TA definition for 1.28Mcps TDD	approved	F	4.8.0	Physical layer; Measurements (TDD)	LCRTDDphys	R1
RP-040084	25.225	077	1	5.6.0	Rel-5	Clarification of TA definition for 1.28Mcps TDD	approved	A	5.7.0	Physical layer; Measurements (TDD)	LCRTDDphys	R1
RP-040084	25.225	078	1	6.0.0	Rel-6	Clarification of TA definition for 1.28Mcps TDD	approved	A	6.1.0	Physical layer; Measurements (TDD)	LCRTDDphys	R1
RP-040088	25.302	145	-	6.0.0	Rel-6	Interference measurement in UpPTS for 1.28Mcps TDD	approved	B	6.1.0	Services provided by the physical layer	TEI-6	R2
RP-040094	25.304	108	1	3.13.0	R99	H criteria & High mobility reselection	approved	F	3.14.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI	R2

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RP-040094	25.304	109	1	4.7.0	Rel-4	H criteria & High mobility reselection	approved	A	4.8.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI	R2
RP-040094	25.304	110	1	5.3.0	Rel-5	H criteria & High mobility reselection	approved	A	5.4.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI	R2
RP-040094	25.304	111	1	6.0.0	Rel-6	H criteria & High mobility reselection	approved	A	6.1.0	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	TEI	R2
RP-040102	25.306	092	-	5.7.0	Rel-5	Simultaneous Reception of S-CCPCH and HS-DSCH	approved	F	5.8.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-040102	25.306	093	-	6.0.0	Rel-6	Simultaneous Reception of S-CCPCH and HS-DSCH	approved	A	6.1.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-040102	25.306	094	-	5.7.0	Rel-5	Correction to memory check in UE	approved	F	5.8.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-040102	25.306	095	-	6.0.0	Rel-6	Correction to memory check in UE	approved	A	6.1.0	UE Radio Access capabilities definition	HSDPA-L23	R2
RP-040093	25.307	011	-	3.2.0	R99	Additional performance requirement for UMTS800	approved	F	3.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS800	R2
RP-040093	25.307	012	-	4.2.0	Rel-4	Additional performance requirement for UMTS800	approved	A	4.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS800	R2
RP-040093	25.307	013	-	5.1.0	Rel-5	Additional performance requirement for UMTS800	approved	A	5.2.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS800	R2
RP-040092	25.307	015	1	5.1.0	Rel-5	Frequency band alignment with 25.101	approved	A	5.2.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721, Rinimp-UMTS1800, Rinimp-UMTS1900	R2

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RP-040092	25.307	016	1	6.0.0	Rel-6	Frequency band alignment with 25.101	approved	A	6.1.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721, Rinimp-UMTS1800, Rinimp-UMTS1900	R2
RP-040092	25.307	017	-	3.2.0	R99	Frequency band alignment with 25.101	approved	F	3.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721, Rinimp-UMTS1800, Rinimp-UMTS1900	R2
RP-040092	25.307	018	-	4.2.0	Rel-4	Frequency band alignment with 25.101	approved	A	4.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721, Rinimp-UMTS1800, Rinimp-UMTS1900	R2
RP-040090	25.307	020	-	3.2.0	R99	Introduction of UMTS1700/2100 (Band IV)	approved	F	3.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721	R2
RP-040090	25.307	021	-	4.2.0	Rel-4	Introduction of UMTS1700/2100 (Band IV)	approved	A	4.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721	R2
RP-040090	25.307	022	-	5.1.0	Rel-5	Introduction of UMTS1700/2100 (Band IV)	approved	A	5.2.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721	R2
RP-040090	25.307	023	-	6.0.0	Rel-6	Introduction of UMTS1700/2100 (Band IV)	approved	A	6.1.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS1721	R2

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RP-040091	25.307	024	-	3.2.0	R99	Introduction of UMTS850 (Band V)	approved	F	3.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS850	R2
RP-040091	25.307	025	-	4.2.0	Rel-4	Introduction of UMTS850 (Band V)	approved	A	4.3.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS850	R2
RP-040091	25.307	026	-	5.1.0	Rel-5	Introduction of UMTS850 (Band V)	approved	A	5.2.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS850	R2
RP-040091	25.307	027	-	6.0.0	Rel-6	Introduction of UMTS850 (Band V)	approved	A	6.1.0	Requirements on UEs supporting a release-independent frequency band	Rinimp-UMTS850	R2
RP-040103	25.308	007	-	5.4.0	Rel-5	Corrections to HS-DSCH cell change, applicability of HS-DSCH and Need for Re-ordering queue	approved	F	5.5.0	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	HSDPA-L23	R2
RP-040103	25.308	008	-	6.0.0	Rel-6	Corrections to HS-DSCH cell change, applicability of HS-DSCH and Need for Re-ordering queue	approved	A	6.1.0	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	HSDPA-L23	R2
RP-040104	25.321	185	1	5.7.0	Rel-5	UE handling of NDI and TBS for HSDPA	approved	F	5.8.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040104	25.321	186	1	6.0.0	Rel-6	UE handling of NDI and TBS for HSDPA	approved	A	6.1.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040104	25.321	187	-	5.7.0	Rel-5	HSDPA related corrections on MAC-hs reconfiguration	approved	F	5.8.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040104	25.321	188	-	6.0.0	Rel-6	HSDPA related corrections on MAC-hs reconfiguration	approved	A	6.1.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040104	25.321	189	-	5.7.0	Rel-5	Reconfiguration of soft memory buffer partitioning	approved	F	5.8.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040104	25.321	190	-	6.0.0	Rel-6	Reconfiguration of soft memory buffer partitioning	approved	A	6.1.0	Medium Access Control (MAC) protocol specification	HSDPA_L23	R2
RP-040095	25.331	2165	2	3.17.0	R99	Response on SRNS Relocation with Cell Update	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2166	2	4.12.0	Rel-4	Response on SRNS Relocation with Cell Update	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2167	2	5.7.1	Rel-5	Response on SRNS Relocation with Cell Update	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2168	2	6.0.1	Rel-6	Response on SRNS Relocation with Cell Update	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2169	-	3.17.0	R99	TPC Combination Index in SRNC relocation	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2170	-	4.12.0	Rel-4	TPC Combination Index in SRNC relocation	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2171	-	5.7.1	Rel-5	TPC Combination Index in SRNC relocation	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2172	-	6.0.1	Rel-6	TPC Combination Index in SRNC relocation	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2

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RP-040107	25.331	2175	1	5.7.1	Rel-5	Correction to "Current TGPS Status Flag"	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040107	25.331	2176	1	6.0.1	Rel-6	Correction to "Current TGPS Status Flag"	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040095	25.331	2177	1	3.17.0	R99	Invalidation of START value in USIM/UE.	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2178	1	4.12.0	Rel-4	Invalidation of START value in USIM/UE.	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2179	1	5.7.1	Rel-5	Invalidation of START value in USIM/UE.	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2180	1	6.0.1	Rel-6	Invalidation of START value in USIM/UE.	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2181	1	3.17.0	R99	Uplink Integrity protection handling in case of N302 increment	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2182	1	4.12.0	Rel-4	Uplink Integrity protection handling in case of N302 increment	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2183	1	5.7.1	Rel-5	Uplink Integrity protection handling in case of N302 increment	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2184	1	6.0.1	Rel-6	Uplink Integrity protection handling in case of N302 increment	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2185	1	3.17.0	R99	Amount of reporting for UE-based and UE assisted A-GPS	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2186	1	4.12.0	Rel-4	Amount of reporting for UE-based and UE assisted A-GPS	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2187	1	5.7.1	Rel-5	Amount of reporting for UE-based and UE assisted A-GPS	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040095	25.331	2188	1	6.0.1	Rel-6	Amount of reporting for UE-based and UE assisted A-GPS	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040101	25.331	2189	1	4.12.0	Rel-4	Ensuring decoding possibility related to Introduction of new bands	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS800	R2
RP-040101	25.331	2190	1	5.7.1	Rel-5	Ensuring decoding possibility related to Introduction of new bands	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS800	R2
RP-040101	25.331	2191	1	6.0.1	Rel-6	Ensuring decoding possibility related to Introduction of new bands	approved	F	6.1.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS800	R2
RP-040101	25.331	2195	1	4.12.0	Rel-4	Clarification to multimode indication	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040101	25.331	2196	1	5.7.1	Rel-5	Clarification to multimode indication	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040101	25.331	2197	2	6.0.1	Rel-6	Clarification to multimode indication	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040101	25.331	2198	-	4.12.0	Rel-4	Correction for 1.28 Mcps TDD Power Control	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2

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RP-040101	25.331	2199	-	5.7.1	Rel-5	Correction for 1.28 Mcps TDD Power Control	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040101	25.331	2200	-	6.0.1	Rel-6	Correction for 1.28 Mcps TDD Power Control	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	LCRTDD_L23	R2
RP-040101	25.331	2201	-	4.12.0	Rel-4	Missing "pdcp-SN-info" in ASN.1 IE "RB-InformationReconfig-r4"	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040101	25.331	2202	-	5.7.1	Rel-5	Missing "pdcp-SN-info" in ASN.1 IE "RB-InformationReconfig-r4"	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040101	25.331	2203	-	6.0.1	Rel-6	Missing "pdcp-SN-info" in ASN.1 IE "RB-InformationReconfig-r4"	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040107	25.331	2206	-	5.7.1	Rel-5	Corrections to HS-SCCH info	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040107	25.331	2207	-	6.0.1	Rel-6	Corrections to HS-SCCH info	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040107	25.331	2208	-	5.7.1	Rel-5	Corrections to HS-PDSCH info	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040107	25.331	2209	-	6.0.1	Rel-6	Corrections to HS-PDSCH info	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040107	25.331	2212	-	5.7.1	Rel-5	Correction to activation time for HS-DSCH reconfiguration in TDD	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040107	25.331	2213	-	6.0.1	Rel-6	Correction to activation time for HS-DSCH reconfiguration in TDD	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040107	25.331	2214	-	3.17.0	R99	Connected mode handling IE 'CN domain system information' in SIB1	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040107	25.331	2215	-	4.12.0	Rel-4	Connected mode handling IE 'CN domain system information' in SIB1	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040107	25.331	2216	2	5.7.1	Rel-5	Connected mode handling IE 'CN domain system information' in SIB1	revised	F		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2216	3	5.7.1	Rel-5	Connected mode handling IE 'CN domain system information' in SIB1	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040107	25.331	2217	2	6.0.1	Rel-6	Connected mode handling IE 'CN domain system information' in SIB1	revised	A		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2217	3	6.0.1	Rel-6	Connected mode handling IE 'CN domain system information' in SIB1	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040096	25.331	2218	-	3.17.0	R99	Correction to event 6D	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2219	-	4.12.0	Rel-4	Correction to event 6D	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2220	-	5.7.1	Rel-5	Correction to event 6D	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2221	-	6.0.1	Rel-6	Correction to event 6D	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2222	1	3.17.0	R99	Correction to UE positioning reporting for GPS standalone operation mode	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2223	1	4.12.0	Rel-4	Correction to UE positioning reporting for GPS standalone operation mode	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2224	1	5.7.1	Rel-5	Correction to UE positioning reporting for GPS standalone operation mode	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2

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RP-040096	25.331	2225	1	6.0.1	Rel-6	Correction to UE positioning reporting for GPS standalone operation mode	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040092	25.331	2228	-	5.7.1	Rel-5	Frequency band alignment with 25.101	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	Rinimp-UMTS1721, Rinimp-UMTS1900, Rinimp-UMTS1800	R2
RP-040092	25.331	2229	-	6.0.1	Rel-6	Frequency band alignment with 25.101	approved	F	6.1.0	Radio Resource Control (RRC) protocol specification	Rinimp-UMTS1721, Rinimp-UMTS1900, Rinimp-UMTS1800, Rinimp-UMTS800	R2
RP-040096	25.331	2230	1	3.17.0	R99	Initialisation of virtual active set	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2231	1	4.12.0	Rel-4	Initialisation of virtual active set	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2232	-	3.17.0	R99	UTRAN setting of the activation time for TM bearers in Ciphering Mode info IE	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2234	-	5.7.1	Rel-5	UTRAN setting of the activation time for TM bearers in Ciphering Mode info IE	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2235	-	6.0.1	Rel-6	UTRAN setting of the activation time for TM bearers in Ciphering Mode info IE	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2236	-	3.17.0	R99	Corrections to "Entered parameter"	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2237	-	4.12.0	Rel-4	Corrections to "Entered parameter"	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2238	-	5.7.1	Rel-5	Corrections to "Entered parameter"	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040096	25.331	2239	-	6.0.1	Rel-6	Corrections to "Entered parameter"	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2240	-	3.17.0	R99	Corrections to TFC Subset Functionality	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2

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RP-040097	25.331	2241	-	4.12.0	Rel-4	Corrections to TFC Subset Functionality	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2242	-	5.7.1	Rel-5	Corrections to TFC Subset Functionality	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2243	-	6.0.1	Rel-6	Corrections to TFC Subset Functionality	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2244	1	3.17.0	R99	Waiting for RLC-ACK on UMI	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2245	1	4.12.0	Rel-4	Waiting for RLC-ACK on UMI	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2246	1	5.7.1	Rel-5	Waiting for RLC-ACK on UMI	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2247	1	6.0.1	Rel-6	Waiting for RLC-ACK on UMI	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040105	25.331	2248	-	5.7.1	Rel-5	Invalid Simultaneous Reconfiguration Criteria	rejected	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040105	25.331	2249	-	6.0.1	Rel-6	Invalid Simultaneous Reconfiguration Criteria	approved	F	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-6	R2
RP-040101	25.331	2250	1	4.12.0	Rel-4	General correction and alignment of the ASN.1 and tabular	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040101	25.331	2251	1	5.7.1	Rel-5	General correction and alignment of the ASN.1 and tabular	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040101	25.331	2252	1	6.0.1	Rel-6	General correction and alignment of the ASN.1 and tabular	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040090	25.331	2253	-	6.0.1	Rel-6	Introduction of UMTS1700/2100 (Band IV)	revised	B		Radio Resource Control (RRC) protocol specification	RinImp-UMTS1721	R2
RP-040121	25.331	2253	1	6.0.1	Rel-6	Introduction of UMTS1700/2100 (Band IV)	approved	B	6.1.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS1721	R2
RP-040091	25.331	2254	-	6.0.1	Rel-6	Introduction of UMTS850 (Band V)	approved	B	6.1.0	Radio Resource Control (RRC) protocol specification	RinImp-UMTS850	R2
RP-040101	25.331	2255	-	4.12.0	Rel-4	Introduction of VLEC in every message branch	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040101	25.331	2256	-	5.7.1	Rel-5	Introduction of VLEC in every message branch	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040101	25.331	2257	-	6.0.1	Rel-6	Introduction of VLEC in every message branch	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040107	25.331	2258	-	5.7.1	Rel-5	Simultaneous Reception of S-CCPCH and HS-DSCH	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040107	25.331	2259	-	6.0.1	Rel-6	Simultaneous Reception of S-CCPCH and HS-DSCH	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2

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RP-040107	25.331	2260	-	5.7.1	Rel-5	Cell reselection between UTRAN and GERAN Iu mode	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	GERUEV1-IuPS and GERUEV2-IuCS	R2
RP-040107	25.331	2261	-	6.0.1	Rel-6	Cell reselection between UTRAN and GERAN Iu mode	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	GERUEV1-IuPS and GERUEV2-IuCS	R2
RP-040108	25.331	2262	-	5.7.1	Rel-5	HSDPA related corrections on buffer flushing on state transitions, RAT transitions, error cases, MAC-hs reconfiguration and readiness to receive HS-PDSCH	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040108	25.331	2263	-	6.0.1	Rel-6	HSDPA related corrections on buffer flushing on state transitions, RAT transitions, error cases, MAC-hs reconfiguration and readiness to receive HS-PDSCH	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040106	25.331	2264	2	5.7.1	Rel-5	Signalling of MAC-hs Reset	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040106	25.331	2265	2	6.0.1	Rel-6	Signalling of MAC-hs Reset	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA-L23	R2
RP-040108	25.331	2266	1	5.7.1	Rel-5	Modification of Inter-frequency CELL_INFO_LIST	revised	F		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2266	2	5.7.1	Rel-5	Modification of Inter-frequency CELL_INFO_LIST	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2267	1	6.0.1	Rel-6	Modification of Inter-frequency CELL_INFO_LIST	revised	A		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2267	2	6.0.1	Rel-6	Modification of Inter-frequency CELL_INFO_LIST	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2268	-	5.7.1	Rel-5	[VAS] 1B-1C conflicts when 1A is not configured	revised	F		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2268	1	5.7.1	Rel-5	[VAS] 1B-1C conflicts when 1A is not configured	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2269	-	6.0.1	Rel-6	[VAS] 1B-1C conflicts when 1A is not configured	revised	A		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2269	1	6.0.1	Rel-6	[VAS] 1B-1C conflicts when 1A is not configured	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2270	-	5.7.1	Rel-5	Handling of wait time in RRC connection reject	revised	F		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2270	1	5.7.1	Rel-5	Handling of wait time in RRC connection reject	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2271	-	6.0.1	Rel-6	Handling of wait time in RRC connection reject	revised	A		Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040131	25.331	2271	1	6.0.1	Rel-6	Handling of wait time in RRC connection reject	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2

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RP-040096	25.331	2272	-	4.12.0	Rel-4	UTRAN setting of the activation time for TM bearers in Ciphering Mode info IE	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040108	25.331	2273	-	5.7.1	Rel-5	Misalignments between R'99 and Rel-5 procedures	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040108	25.331	2274	-	6.0.1	Rel-6	Misalignments between R'99 and Rel-5 procedures	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040101	25.331	2275	-	4.12.0	Rel-4	Misalignments between R'99 and Rel-4 procedures	approved	F	4.13.0	Radio Resource Control (RRC) protocol specification	TEI-4	R2
RP-040097	25.331	2278	-	3.17.0	R99	Issues related to Inter-RAT and Inter-frequency handovers	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2279	-	4.12.0	Rel-4	Issues related to Inter-RAT and Inter-frequency handovers	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2280	-	5.7.1	Rel-5	Issues related to Inter-RAT and Inter-frequency handovers	approved	A	5.8.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2281	-	6.0.1	Rel-6	Issues related to Inter-RAT and Inter-frequency handovers	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2282	-	3.17.0	R99	Corrections to reconfiguration scenarios and ciphering of TM RBs	approved	F	3.18.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2283	-	4.12.0	Rel-4	Corrections to reconfiguration scenarios and ciphering of TM RBs	approved	A	4.13.0	Radio Resource Control (RRC) protocol specification	TEI	R2
RP-040097	25.331	2284	1	5.7.1	Rel-5	Corrections to reconfiguration scenarios and ciphering of TM RBs	approved	F	5.8.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040097	25.331	2285	1	6.0.1	Rel-6	Corrections to reconfiguration scenarios and ciphering of TM RBs	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-5	R2
RP-040110	25.331	2286	4	6.0.1	Rel-6	Addition of “cell selection indication” for cell selection at release of RRC connection and RRC connection reject with re-direction	approved	C	6.1.0	Radio Resource Control (RRC) protocol specification	TEI-6	R2
RP-040129	25.331	2287	-	6.0.1	Rel-6	HSDPA capability for multimode FDD-TDD terminals	approved	A	6.1.0	Radio Resource Control (RRC) protocol specification	HSDPA_L23	R2
RP-040054	25.401	077	2	5.7.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN overall description	ETRAN-IPtrans	R3
RP-040054	25.401	078	2	6.2.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN overall description	ETRAN-IPtrans	R3
RP-040055	25.401	082	1	5.7.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN overall description	ETRAN-Iptrans	R3
RP-040055	25.401	083	1	6.2.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN overall description	ETRAN-Iptrans	R3
RP-040054	25.410	045	2	5.3.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN Iu Interface: General Aspects and Principles	ETRAN-IPtrans	R3

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RP-040054	25.410	046	2	6.0.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN Iu Interface: General Aspects and Principles	ETRAN-IPtrans	R3
RP-040055	25.410	050	1	5.3.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN Iu Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040055	25.410	051	1	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN Iu Interface: General Aspects and Principles	ETRAN-iptrans	R3
RP-040056	25.411	012	3	5.0.0	Rel-5	Emulated Layer 1 for Rel-5 ATM-IP interworking	rejected	F		UTRAN Iu interface layer 1	ETRAN-IPtrans	R3
RP-040056	25.411	013	3	6.0.0	Rel-6	Emulated Layer 1 for Rel-5 ATM-IP interworking	rejected	A		UTRAN Iu interface layer 1	ETRAN-IPtrans	R3
RP-040062	25.413	633	-	5.7.0	Rel-5	Correction of GERAN related Release 5 IEs	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	634	-	6.0.0	Rel-6	Correction of GERAN related Release 5 IEs	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	635	1	5.7.0	Rel-5	Causes used in RANAP	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	636	1	6.0.0	Rel-6	Causes used in RANAP	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	637	-	5.7.0	Rel-5	Inaccuracies in the specification of the Overload procedure	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	638	-	6.0.0	Rel-6	Inaccuracies in the specification of the Overload procedure	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040053	25.413	639	-	4.11.0	Rel-4	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	F	4.12.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-4	R3
RP-040053	25.413	640	-	5.7.0	Rel-5	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	A	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-4	R3
RP-040053	25.413	641	-	6.0.0	Rel-6	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-4	R3
RP-040062	25.413	642	1	5.7.0	Rel-5	Clarification on Iu reset procedure	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	643	1	6.0.0	Rel-6	Clarification on Iu reset procedure	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3

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RP-040062	25.413	645	2	5.7.0	Rel-5	Integrity Status Correction	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	648	1	5.7.0	Rel-5	Coding of Discontinuous Transmission/No_Data mode	approved	F	5.8.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	652	-	6.0.0	Rel-6	Integrity Status Correction	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040062	25.413	654	-	6.0.0	Rel-6	Coding of Discontinuous Transmission/No_Data mode	approved	A	6.1.0	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	TEI-5	R3
RP-040054	25.414	072	2	5.5.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN Iu interface data transport & transport signalling	ETRAN-IPtrans	R3
RP-040054	25.414	073	2	6.0.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN Iu interface data transport & transport signalling	ETRAN-IPtrans	R3
RP-040055	25.414	076	1	5.5.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN Iu interface data transport & transport signalling	ETRAN-Iptrans	R3
RP-040055	25.414	077	1	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN Iu interface data transport & transport signalling	ETRAN-Iptrans	R3
RP-040063	25.419	131	1	5.6.0	Rel-5	Correction to 25.419 for Broadcast Message Content IE	approved	F	5.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI-5	R3
RP-040063	25.419	132	1	6.0.0	Rel-6	Correction to 25.419 for Broadcast Message Content IE	approved	A	6.1.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	TEI-5	R3
RP-040054	25.420	033	2	5.1.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN Iur Interface: General Aspects and Principles	ETRAN-IPtrans	R3
RP-040054	25.420	034	2	6.0.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN Iur Interface: General Aspects and Principles	ETRAN-IPtrans	R3
RP-040055	25.420	038	1	5.1.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN Iur Interface: General Aspects and Principles	ETRAN-Iptrans	R3
RP-040055	25.420	039	1	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN Iur Interface: General Aspects and Principles	ETRAN-Iptrans	R3
RP-040052	25.423	899	-	4.11.0	Rel-4	Correction of RL Congestion Indication	approved	F	4.12.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3

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RP-040052	25.423	900	-	5.8.0	Rel-5	Correction of RL Congestion Indication	approved	A	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040052	25.423	901	-	6.0.0	Rel-6	Correction of RL Congestion Indication	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040088	25.423	902	-	6.0.0	Rel-6	Interference measurement in UpPTS for 1.28Mcps TDD	approved	B	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-6	R3
RP-040074	25.423	903	1	6.0.0	Rel-6	Introduction of UE measurement forwarding over the Iur for TDD	approved	B	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	RANimp-RRMopt-UEMsD	R3
RP-040070	25.423	907	-	5.8.0	Rel-5	Ignore Criticality for RL Activation Command	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040070	25.423	908	-	6.0.0	Rel-6	Ignore Criticality for RL Activation Command	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040070	25.423	909	-	5.8.0	Rel-5	Ignore Criticality for RL Parameter Update	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040070	25.423	910	-	6.0.0	Rel-6	Ignore Criticality for RL Parameter Update	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040065	25.423	911	1	5.8.0	Rel-5	Corrections for HS-DSCH Configuration Signalling	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040065	25.423	912	-	6.0.0	Rel-6	Corrections for HS-DSCH Configuration Signalling	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040066	25.423	913	1	5.8.0	Rel-5	Priority Queue ID for HSDPA	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040066	25.423	914	1	6.0.0	Rel-6	Priority Queue ID for HSDPA	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040070	25.423	921	-	5.8.0	Rel-5	Correction of ASN.1 code	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040070	25.423	922	-	6.0.0	Rel-6	Correction of ASN.1 code	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040053	25.423	923	-	4.11.0	Rel-4	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	F	4.12.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040053	25.423	924	-	5.8.0	Rel-5	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	A	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3

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RP-040053	25.423	925	-	6.0.0	Rel-6	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040067	25.423	929	-	5.8.0	Rel-5	Correction related to HS-DSCH Information Response	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040059	25.423	930	-	4.11.0	Rel-4	Correction to the threshold of Rx Timing Deviation LCR in tabular	approved	F	4.12.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040059	25.423	931	-	5.8.0	Rel-5	Correction to the threshold of Rx Timing Deviation LCR in tabular	approved	A	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040059	25.423	932	-	6.0.0	Rel-6	Correction to the threshold of Rx Timing Deviation LCR in tabular	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-4	R3
RP-040068	25.423	933	-	5.8.0	Rel-5	Extension of the range of PCCPCH RSCP	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040068	25.423	934	-	6.0.0	Rel-6	Extension of the range of PCCPCH RSCP	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040069	25.423	935	-	5.8.0	Rel-5	Introduce the description of AOA measurement in the Allowed Combinations of Dedicated Measurement	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040069	25.423	936	-	6.0.0	Rel-6	Introduce the description of AOA measurement in the Allowed Combinations of Dedicated Measurement	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040067	25.423	939	-	6.0.0	Rel-6	Correction related to HS-DSCH Information Response	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040070	25.423	941	-	5.8.0	Rel-5	Criticality Settings for HSDPA	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040070	25.423	942	-	6.0.0	Rel-6	Criticality Settings for HSDPA	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	HSDPA-Iublur	R3
RP-040070	25.423	943	-	5.8.0	Rel-5	GA Incompatibility issue	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040070	25.423	944	-	6.0.0	Rel-6	GA Incompatibility issue	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040064	25.423	948	-	5.8.0	Rel-5	Setting of TGPSI	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040064	25.423	949	-	6.0.0	Rel-6	Setting of TGPSI	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040057	25.423	950	-	5.8.0	Rel-5	DCH Information Response Issue	approved	F	5.9.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3

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RP-040057	25.423	951	-	6.0.0	Rel-6	DCH Information Response Issue	approved	A	6.1.0	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	TEI-5	R3
RP-040061	25.424	027	-	5.3.0	Rel-5	Inclusion of HSDPA	approved	F	5.4.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	HSDPA-IublIur	R3
RP-040061	25.424	028	-	6.0.0	Rel-6	Inclusion of HSDPA	approved	A	6.1.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	HSDPA-IublIur	R3
RP-040073	25.425	068	-	5.6.0	Rel-5	Common Transport Channel Priority Indicator for HSDPA	approved	F	5.7.0	UTRAN Iur interface user plane protocols for CCH data streams	HSDPA-IublIur	R3
RP-040073	25.425	069	-	6.0.0	Rel-6	Common Transport Channel Priority Indicator for HSDPA	approved	A	6.1.0	UTRAN Iur interface user plane protocols for CCH data streams	HSDPA-IublIur	R3
RP-040054	25.426	033	2	5.3.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-IPtrans	R3
RP-040054	25.426	034	2	6.0.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-IPtrans	R3
RP-040060	25.426	035	-	5.3.0	Rel-5	Diffserv marking is configurable	approved	F	5.4.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-IPtrans	R3
RP-040060	25.426	036	-	6.0.0	Rel-6	Diffserv marking is configurable	approved	A	6.1.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-IPtrans	R3
RP-040055	25.426	039	1	5.3.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-Iptrans	R3
RP-040055	25.426	040	1	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	ETRAN-Iptrans	R3
RP-040054	25.430	043	2	5.2.0	Rel-5	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	F		UTRAN Iub Interface: General Aspects and Principles	ETRAN-IPtrans	R3
RP-040054	25.430	044	2	6.0.0	Rel-6	Introduction of ITU-T Q.2631.1 for interworking solution 3	rejected	A		UTRAN Iub Interface: General Aspects and Principles	ETRAN-IPtrans	R3
RP-040055	25.430	047	1	5.2.0	Rel-5	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	F		UTRAN Iub Interface: General Aspects and Principles	ETRAN-Iptrans	R3

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RP-040055	25.430	048	1	6.0.0	Rel-6	Completion of the Rel-5 IP transport WI by removing the 3rd IP-ATM interworking option	rejected	A		UTRAN Iub Interface: General Aspects and Principles	ETRAN-Iptrans	R3
RP-040088	25.433	952	-	6.0.0	Rel-6	Interference measurement in UpPTS for 1.28Mcps TDD	approved	B	6.1.0	UTRAN Iub interface NBAP signalling	TEI-6	R3
RP-040071	25.433	953	1	5.7.0	Rel-5	Enabling of closed loop transmit diversity in TDD mode	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040071	25.433	954	1	6.0.0	Rel-6	Enabling of closed loop transmit diversity in TDD mode	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040071	25.433	955	-	5.7.0	Rel-5	Correction of Reconfiguration of Multiple Radio Links in TDD	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040071	25.433	956	-	6.0.0	Rel-6	Correction of Reconfiguration of Multiple Radio Links in TDD	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040065	25.433	959	-	5.7.0	Rel-5	Corrections for HS-DSCH Configuration Signalling	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040065	25.433	960	-	6.0.0	Rel-6	Corrections for HS-DSCH Configuration Signalling	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040066	25.433	961	1	5.7.0	Rel-5	Priority Queue ID for HSDPA	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040066	25.433	962	1	6.0.0	Rel-6	Priority Queue ID for HSDPA	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040071	25.433	967	1	5.7.0	Rel-5	Correction of the Dedicated Measurement Initiation procedure with “All NBCC”.	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040071	25.433	968	1	6.0.0	Rel-6	Correction of the Dedicated Measurement Initiation procedure with “All NBCC”.	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040058	25.433	970	-	4.11.0	Rel-4	NBAP ASN.1 Corrections for the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message	approved	F	4.12.0	UTRAN Iub interface NBAP signalling	TEI-4	R3
RP-040058	25.433	971	1	5.7.0	Rel-5	NBAP ASN.1 Corrections for the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message	approved	A	5.8.0	UTRAN Iub interface NBAP signalling	TEI-4	R3
RP-040058	25.433	972	1	6.0.0	Rel-6	NBAP ASN.1 Corrections for the CELL SYNCHRONISATION RECONFIGURATION REQUEST TDD message	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-4	R3
RP-040071	25.433	973	-	5.7.0	Rel-5	NBAP Corrections for TDD	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040071	25.433	974	-	6.0.0	Rel-6	NBAP Corrections for TDD	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040067	25.433	975	-	5.7.0	Rel-5	Correction related to HS-DSCH Information Response	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040059	25.433	976	-	4.11.0	Rel-4	Correction to the threshold of Rx Timing Deviation LCR in tabular	approved	F	4.12.0	UTRAN Iub interface NBAP signalling	TEI-4	R3
RP-040068	25.433	977	-	5.7.0	Rel-5	Extension of the range of PCCPCH RSCP	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3

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RP-040068	25.433	978	-	6.0.0	Rel-6	Extension of the range of PCCPCH RSCP	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040069	25.433	979	-	5.7.0	Rel-5	Introduce the description of AOA measurement in the Allowed Combinations of Dedicated Measurement	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040069	25.433	980	-	6.0.0	Rel-6	Introduce the description of AOA measurement in the Allowed Combinations of Dedicated Measurement	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040067	25.433	983	-	6.0.0	Rel-6	Correction related to HS-DSCH Information Response	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040071	25.433	984	-	5.7.0	Rel-5	Correction to HS-SCCH Code Range	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040071	25.433	985	-	6.0.0	Rel-6	Correction to HS-SCCH Code Range	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	HSDPA-Iublur	R3
RP-040064	25.433	986	-	5.7.0	Rel-5	Setting of TGPSI	approved	F	5.8.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040064	25.433	987	-	6.0.0	Rel-6	Setting of TGPSI	approved	A	6.1.0	UTRAN Iub interface NBAP signalling	TEI-5	R3
RP-040061	25.434	029	-	5.3.0	Rel-5	Inclusion of HSDPA	approved	F	5.4.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	HSDPA-Iublur	R3
RP-040061	25.434	030	-	6.0.0	Rel-6	Inclusion of HSDPA	approved	A	6.1.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	HSDPA-Iublur	R3
RP-040073	25.435	110	-	5.6.0	Rel-5	Common Transport Channel Priority Indicator for HSDPA	approved	F	5.7.0	UTRAN Iub interface user plane protocols for CCH data streams	HSDPA-Iublur	R3
RP-040073	25.435	111	-	6.0.0	Rel-6	Common Transport Channel Priority Indicator for HSDPA	approved	A	6.1.0	UTRAN Iub interface user plane protocols for CCH data streams	HSDPA-Iublur	R3
RP-040053	25.453	067	-	5.8.0	Rel-5	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	F	5.9.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI-4	R3
RP-040053	25.453	068	-	6.3.0	Rel-6	Alignment with 23.032 correction of Included Angle for Ellipsoid Arc	approved	A	6.4.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI-4	R3
RP-040075	25.453	069	-	6.3.0	Rel-6	Initial UE Position IE only mandatory necessary for GPS	approved	F	6.4.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI-6	R3
RP-040072	25.453	070	1	5.8.0	Rel-5	PCAP Review	approved	F	5.9.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI-5	R3
RP-040072	25.453	071	1	6.3.0	Rel-6	PCAP Review	approved	A	6.4.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	TEI-5	R3
RP-040098	25.921	049	-	3.9.0	R99	Spare Extension in Data Frame	approved	F	3.10.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	050	-	4.6.0	Rel-4	Spare Extension in Data Frame	approved	A	4.7.0	Guidelines and principles for protocol description and error handling	TEI	R2

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RP-040098	25.921	051	-	5.3.0	Rel-5	Spare Extension in Data Frame	approved	A	5.4.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	052	1	3.9.0	R99	Guideline on release independent ASN.1 updates	approved	F	3.10.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	053	2	4.6.0	Rel-4	Guideline on release independent ASN.1 updates	approved	A	4.7.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	054	2	5.3.0	Rel-5	Guideline on release independent ASN.1 updates	approved	A	5.4.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	055	-	3.9.0	R99	Guideline on the use of variable length containers for late extensions	approved	F	3.10.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	056	-	4.6.0	Rel-4	Guideline on the use of variable length containers for late extensions	approved	A	4.7.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	057	-	5.3.0	Rel-5	Guideline on the use of variable length containers for late extensions	approved	A	5.4.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	058	-	3.9.0	R99	Guideline for the naming of extensions to the RRC ASN.1	approved	F	3.10.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	059	-	4.6.0	Rel-4	Guideline for the naming of extensions to the RRC ASN.1	approved	A	4.7.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040098	25.921	060	-	5.3.0	Rel-5	Guideline for the naming of extensions to the RRC ASN.1	approved	A	5.4.0	Guidelines and principles for protocol description and error handling	TEI	R2
RP-040099	25.922	028	-	3.7.0	R99	Creation of "empty" pointer to the Rel-6 version to upgrade the TR as "release independent" status	approved	F	3.8.0	Radio Resource Management Strategies	TEI	R2
RP-040099	25.922	029	-	4.2.0	Rel-4	Creation of "empty" pointer to the Rel-6 version to upgrade the TR as "release independent" status	approved	A	4.3.0	Radio Resource Management Strategies	TEI	R2
RP-040099	25.922	030	-	5.2.0	Rel-5	Creation of "empty" pointer to the Rel-6 version to upgrade the TR as "release independent" status.	approved	A	5.3.0	Radio Resource Management Strategies	TEI	R2
RP-040099	25.922	031	-	5.2.0	Rel-6	Corrections and alignment with core specifications. Upgrade to the "Release independent" status and creation of the Rel-6.	approved	F	6.0.0	Radio Resource Management Strategies	TEI-6	R2
RP-040038	25.942	012	-	5.1.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.2.0	RF system scenarios	TEI-5	R4
RP-040038	25.942	013	-	6.1.0	Rel-6	Correction of references to ITU recommendations	approved	A	6.2.0	RF system scenarios	TEI-5	R4
RP-040038	25.945	002	-	5.0.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.1.0	RF requirements for low chip rate TDD option	TEI-5	R4
RP-040100	25.993	019	-	6.4.0	Rel-6	Alignment with 34.108 for TDD	approved	F	6.5.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-040100	25.993	024	-	6.4.0	Rel-6	S-CCPCH combination for HS-DSCH channel type switching	approved	F	6.5.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI	R2
RP-040109	25.993	025	-	6.4.0	Rel-6	DCH combination for HS-DSCH channel type switching	approved	F	6.5.0	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	TEI-5	R2
SP-040197	26.073	019	-	5.2.0	Rel-5	Correction of AMR DTX functionality	approved	F	5.3.0	AMR speech Codec; C-source code	AMR	S4
SP-040078	26.073	019	-	5.2.0	Rel-5	Correction of AMR DTX functionality	withdrawn	F		AMR speech Codec; C-source code	AMR	S4
SP-040198	26.104	031	-	5.3.0	Rel-5	Correction of floating point AMR DTX functionality	approved	F	5.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4

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SP-040079	26.104	031	-	5.3.0	Rel-5	Correction of floating point AMR DTX functionality	withdrawn	F		ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4
SP-040079	26.104	032	-	6.0.0	Rel-6	Correction of floating point AMR DTX functionality	withdrawn	A		ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4
SP-040198	26.104	032	-	6.0.0	Rel-6	Correction of floating point AMR DTX functionality	approved	A	6.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	AMR	S4
SP-040080	26.937	001	2	5.0.0	Rel-6	Rate Adaptation simulation results for PSS	approved	D	6.0.0	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	PSSrel6	S4
NP-040053	29.002	667	4	5.8.0	Rel-5	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	approved	F	5.9.0	Mobile Application Part (MAP) specification	OoBTC	N4
NP-040053	29.002	668	3	6.4.0	Rel-6	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	approved	A	6.5.0	Mobile Application Part (MAP) specification	OoBTC	N4
NP-040053	29.002	669	3	5.8.0	Rel-5	Correction of Inter-MSC SRSN Relocation procedure	approved	F	5.9.0	Mobile Application Part (MAP) specification	OoBTC	N4
NP-040053	29.002	670	3	6.4.0	Rel-6	Correction of Inter-MSC SRSN Relocation procedure	approved	A	6.5.0	Mobile Application Part (MAP) specification	OoBTC	N4
NP-040056	29.002	701	3	6.4.0	Rel-6	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	approved	B	6.5.0	Mobile Application Part (MAP) specification	PRESENC	N4
NP-040044	29.002	705	2	3.18.0	R99	Correction to Insert Subscriber Data message for LCS SS	approved	A	3.19.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040044	29.002	706	2	4.13.0	Rel-4	Correction to Insert Subscriber Data message for LCS SS	approved	A	4.14.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040044	29.002	707	2	5.8.0	Rel-5	Correction to Insert Subscriber Data message for LCS SS	approved	A	5.9.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040044	29.002	708	2	6.4.0	Rel-6	Correction to Insert Subscriber Data message for LCS SS	approved	A	6.5.0	Mobile Application Part (MAP) specification	LCS	N4
NP-040061	29.002	709	1	6.4.0	Rel-6	SCCP segmentation for Inter-PLMN MAP messages	approved	F	6.5.0	Mobile Application Part (MAP) specification	TEI-6	N4
NP-040050	29.002	710	2	5.8.0	Rel-5	Inclusion of UTRAN Positioning Data parameter	approved	F	5.9.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040050	29.002	711	2	6.4.0	Rel-6	Inclusion of UTRAN Positioning Data parameter	approved	A	6.5.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040120	29.002	717	1	6.4.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	B		Mobile Application Part (MAP) specification	TEI-6	N4
NP-040149	29.002	717	1	6.4.0	Rel-6	Include administrative restriction subscription parameter	approved	B	6.5.0	Mobile Application Part (MAP) specification	TEI-6	N4
NP-040097	29.002	717	1	6.4.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	B		Mobile Application Part (MAP) specification	TEI-6	N4
NP-040101	29.002	718	2	6.4.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	revised	B		Mobile Application Part (MAP) specification	TEI-6	N4
NP-040122	29.002	718	3	6.4.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	rejected	B		Mobile Application Part (MAP) specification	TEI-6	N4
NP-040051	29.002	719	1	5.8.0	Rel-5	Add new Unvailability cause for SCUDIF	revised	F		Mobile Application Part (MAP) specification	TEI-5	N4
NP-040139	29.002	719	2	5.8.0	Rel-5	Add new Unvailability cause for SCUDIF	approved	F	5.9.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-040051	29.002	720	1	6.4.0	Rel-6	Add new Unvailability cause for SCUDIF	revised	A		Mobile Application Part (MAP) specification	TEI-5	N4

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NP-040139	29.002	720	2	6.4.0	Rel-6	Add new Unvailability cause for SCUDIF	approved	A	6.5.0	Mobile Application Part (MAP) specification	SCUDIF	N4
NP-040061	29.002	721	-	6.4.0	Rel-6	CR implemented by fault	approved	F	6.5.0	Mobile Application Part (MAP) specification	TEI-6	N4
NP-040059	29.002	724	-	6.4.0	Rel-6	Removal of R-GMLC Address	approved	F	6.5.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040059	29.002	725	1	6.4.0	Rel-6	MO-LR Service Identity support in TS 29.002	approved	B	6.5.0	Mobile Application Part (MAP) specification	LCS2	N4
NP-040070	29.002	726	1	6.4.0	Rel-6	CAMEL4 SCUDIF notification during active call for prepay	approved	B	6.5.0	Mobile Application Part (MAP) specification	SCCAMEL	N4
NP-040082	29.007	096	-	5.8.0	Rel-5	Signalling of LLC and HLC	approved	F	5.9.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	TEI-5	N3
NP-040045	29.010	097	1	3.11.0	R99	Correction of Inter System Handover cause mapping	revised	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	Handover	N4
NP-040132	29.010	097	1	3.11.0	R99	Correction of Inter System Handover cause mapping	approved	F	3.12.0	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)	Handover	N4
NP-040132	29.010	098	1	4.7.0	Rel-4	Correction of Inter System Handover cause mapping	approved	A	4.8.0	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)	Handover	N4
NP-040045	29.010	098	1	4.7.0	Rel-4	Correction of Inter System Handover cause mapping	revised	A		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)	Handover	N4
NP-040132	29.010	099	1	5.5.0	Rel-5	Correction of Inter System Handover cause mapping	approved	A	5.6.0	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)	Handover	N4
NP-040045	29.010	099	1	5.5.0	Rel-5	Correction of Inter System Handover cause mapping	revised	A		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)	Handover	N4

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NP-040132	29.010	100	1	6.1.0	Rel-6	Correction of Inter System Handover cause mapping	approved	A	6.2.0	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)	Handover	N4
NP-040045	29.010	100	1	6.1.0	Rel-6	Correction of Inter System Handover cause mapping	revised	A		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)	Handover	N4
NP-040120	29.010	101	1	6.1.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	TEI-6	N4
NP-040149	29.010	101	1	6.1.0	Rel-6	Include administrative restriction subscription parameter	approved	F	6.2.0	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)	TEI-6	N4
NP-040097	29.010	101	1	6.1.0	Rel-6	Include administrative restriction subscription parameter	withdrawn	F		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	TEI-6	N4
NP-040054	29.010	102	2	5.5.0	Rel-5	Change to cause code mappings	approved	F	5.6.0	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)	Handover	N4
NP-040054	29.010	103	2	6.1.0	Rel-6	Change to cause code mappings for Service Based/Load based handover	approved	A	6.2.0	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)	Handover	N4
NP-040123	29.018	041	1	5.5.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	rejected	B		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI-6	N1
NP-040102	29.018	xxx	-	5.5.0	Rel-6	Addition of IMEISV to Update Location Procedure for ADD function	revised	B		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	TEI-6	N1

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NP-040060	29.060	431	3	6.3.0	Rel-6	Enhancement of Recovery IE to reduce number of dangling PDP	approved	C	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	GTP enhancement	N4
NP-040060	29.060	465	3	6.3.0	Rel-6	Controlling the creation of multiple, concurrent PDP Contexts	approved	B	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI-6	N4
NP-040057	29.060	480	1	6.3.0	Rel-6	Introduction of the MBMS Support Indication extension header	approved	B	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040060	29.060	481	2	6.3.0	Rel-6	Clarification in the definition of the QoS Profile IE encoding	approved	D	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI-6	N4
NP-040069	29.060	482	1	6.3.0	Rel-6	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	approved	A	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-040060	29.060	483	-	6.3.0	Rel-6	Correction to length field of the Common Flags IE	approved	F	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI-6	N4
NP-040057	29.060	484	-	6.3.0	Rel-6	Change to the definition of GTP Tunnel for MBMS	approved	F	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040057	29.060	485	-	6.3.0	Rel-6	Removal of the GGSN address for Control Plane in the Delete MBMS Context Request	approved	F	6.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	MBMS	N4
NP-040104	29.060	488	-	6.3.0	Rel-6	Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures	revised	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI-6	N4
NP-040125	29.060	488	1	6.3.0	Rel-6	Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures	rejected	F		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI-6	N4
NP-040069	29.060	489	1	5.8.0	Rel-5	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	approved	A	5.9.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-040069	29.060	490	-	4.10.0	Rel-4	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	approved	A	4.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-040069	29.060	491	-	3.18.0	R99	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	approved	F	3.19.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	TEI	N4
NP-040085	29.061	103	1	5.8.0	Rel-6	IMEISV Passed on the Gi Interface	revised	B		Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI	N3
NP-040148	29.061	103	2	5.8.0	Rel-6	IMEISV Passed on the Gi Interface	approved	B	6.0.0	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	TEI-6	N3

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NP-040093	29.078	346	1	5.6.1	Rel-5	Correction to GPRS protocol definition	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040138	29.078	346	1	5.6.1	Rel-5	Correction to GPRS protocol definition	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040111	29.078	346	1	5.6.1	Rel-5	Correction to GPRS protocol definition	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040109	29.078	347	-	5.6.1	Rel-5	Correction to temporary connection establishment	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040091	29.078	347	-	5.6.1	Rel-5	Correction to temporary connection establishment	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040136	29.078	347	-	5.6.1	Rel-5	Correction to temporary connection establishment	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040092	29.078	348	1	5.6.1	Rel-5	Correction to SplitLeg and MoveLeg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040137	29.078	348	1	5.6.1	Rel-5	Correction to SplitLeg and MoveLeg preconditions	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040110	29.078	348	1	5.6.1	Rel-5	Correction to SplitLeg and MoveLeg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040093	29.078	349	1	5.6.1	Rel-5	Correction to Disconnect Leg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040111	29.078	349	1	5.6.1	Rel-5	Correction to Disconnect Leg preconditions	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040138	29.078	349	1	5.6.1	Rel-5	Correction to Disconnect Leg preconditions	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2

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NP-040093	29.078	350	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	revised	B		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040111	29.078	350	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	revised	B		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040138	29.078	350	2	6.0.0	Rel-6	Enhancement of Event Specific Information for DP 'Change of Position'	approved	B	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	TEI-6	N2
NP-040091	29.078	351	1	5.6.1	Rel-5	Correction to description of Service Interaction Indicators Two parameter	revised	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040109	29.078	351	1	5.6.1	Rel-5	Correction to description of Service Interaction Indicators Two parameter	withdrawn	F		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040136	29.078	351	1	5.6.1	Rel-5	Correction to description of Service Interaction Indicators Two parameter	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040095	29.078	352	1	6.0.0	Rel-6	CAMEL4 SCUDIF notification during active call for prepay	approved	B	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	SCCA MEL	N2
NP-040096	29.078	355	3	5.6.1	Rel-5	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	approved	F	5.7.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040096	29.078	356	1	6.0.0	Rel-6	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040136	29.078	360	-	6.0.0	Rel-6	Correction to description of Service Interaction Indicators Two parameter	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040109	29.078	360	-	6.0.0	Rel-6	Correction to description of Service Interaction Indicators Two parameter	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040091	29.078	360	-	6.0.0	Rel-6	Correction to description of Service Interaction Indicators Two parameter	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2

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NP-040109	29.078	361	-	6.0.0	Rel-6	Correction to temporary connection establishment	withdrawn	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040091	29.078	361	-	6.0.0	Rel-6	Correction to temporary connection establishment	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040136	29.078	361	-	6.0.0	Rel-6	Correction to temporary connection establishment	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040137	29.078	362	-	6.0.0	Rel-6	Correction to SplitLeg and MoveLeg preconditions	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040110	29.078	362	-	6.0.0	Rel-6	Correction to SplitLeg and MoveLeg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040092	29.078	362	-	6.0.0	Rel-6	Correction to SplitLeg and MoveLeg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040138	29.078	363	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040093	29.078	363	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040111	29.078	363	-	6.0.0	Rel-6	Correction to Disconnect Leg preconditions	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040093	29.078	364	-	6.0.0	Rel-6	Correction to GPRS protocol definition	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040111	29.078	364	-	6.0.0	Rel-6	Correction to GPRS protocol definition	revised	A		customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040138	29.078	364	-	6.0.0	Rel-6	Correction to GPRS protocol definition	approved	A	6.1.0	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	CAME L4	N2
NP-040083	29.163	030	2	6.1.0	Rel-6	Reason Header	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3

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NP-040083	29.163	031	2	6.1.0	Rel-6	Informative annex for misalignments with Q.1912.5	approved	B	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040083	29.163	032	2	6.1.0	Rel-6	Criteria for sending UPDATE in BICC	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040084	29.163	033	2	6.1.0	Rel-6	Impact of Forking on Mn procedures	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040083	29.163	034	1	6.1.0	Rel-6	Impact of Forking on Incoming call interworking	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040083	29.163	035	2	6.1.0	Rel-6	Impact of Forking on Outgoing call interworking	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040083	29.163	036	1	6.1.0	Rel-6	Impact of Forking on COLP supplementary service	approved	F	6.2.0	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	IMS-CCR-IWCS	N3
NP-040080	29.207	113	2	5.6.0	Rel-5	Session modification when a biderctional media is done unidirectional	approved	F	5.7.0	Policy control over Go interface	E2EQoS	N3
NP-040080	29.207	121	1	5.6.0	Rel-5	Mandatory traffic handling priority	approved	F	5.7.0	Policy control over Go interface	E2EQoS	N3
NP-040080	29.208	056	2	5.6.0	Rel-5	Session modification when a biderctional media is done unidirectional	approved	F	5.7.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-040080	29.208	059	-	5.6.0	Rel-5	Mapping tables for streaming services	approved	F	5.7.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-040080	29.208	060	1	5.6.0	Rel-5	Traffic handling priority in the mapping tables	approved	F	5.7.0	End to end Quality of Service (QoS) signalling flows	E2EQoS	N3
NP-040046	29.228	076	1	5.6.0	Rel-5	Clarification on S-CSCF-Name comparism	approved	F	5.7.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040046	29.228	077	1	6.1.0	Rel-6	Clarification on S-CSCF-Name comparism	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040055	29.228	081	-	6.1.0	Rel-6	Error for missing identification in SAR command	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	TEI-5	N4
NP-040046	29.228	084	1	5.6.0	Rel-5	Conditions for inclusion of Public Identity in SAR	approved	F	5.7.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	TEI-5	N4
NP-040046	29.228	085	1	6.1.0	Rel-6	Conditions for inclusion of Public Identity in SAR	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	TEI-5	N4
NP-040046	29.228	086	1	5.6.0	Rel-5	Correction to sending the Charging-Information AVP	approved	F	5.7.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040046	29.228	087	1	6.1.0	Rel-6	Correction to sending the Charging-Information AVP	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4

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NP-040046	29.228	088	-	5.6.0	Rel-5	Correction to User-Authorization-Answer	approved	F	5.7.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040046	29.228	089	-	6.1.0	Rel-6	Correction to User-Authorization-Answer	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040046	29.228	090	-	5.6.0	Rel-5	Default handling of error cases during IMS registration	approved	F	5.7.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040046	29.228	091	-	6.1.0	Rel-6	Default handling of error cases during IMS registration	approved	A	6.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	IMS-CCR	N4
NP-040055	29.229	035	-	5.6.0	Rel-6	Error for missing identification in SAR command	approved	F	6.0.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	TEI-6	N4
NP-040052	29.232	061	-	5.6.0	Rel-5	Addition of Package Id for CTM	approved	F	5.7.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	TEI-5	N4
NP-040055	29.328	036	2	6.0.0	Rel-6	Dh interface	approved	B	6.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS2-CCR	N4
NP-040055	29.328	043	2	6.0.0	Rel-6	Clarification of the AS Permissions List and its relevance to table 7.6.1	approved	F	6.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	TEI-6	N4
NP-040047	29.328	044	2	5.6.0	Rel-5	Clarification of which Public Identities are downloaded	revised	F		IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	TEI-5	N4
NP-040135	29.328	044	3	5.6.0	Rel-5	Clarification of which Public Identities are downloaded	approved	F	5.7.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-040047	29.328	045	2	6.0.0	Rel-6	Clarification of which Public Identities are downloaded	revised	A		IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	TEI-5	N4
NP-040135	29.328	045	3	6.0.0	Rel-6	Clarification of which Public Identities are downloaded	approved	A	6.1.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	IMS-CCR	N4
NP-040047	29.329	031	-	5.4.1	Rel-5	Add MSISDN to set of Data that may be downloaded	revised	F		Sh interface based on the Diameter protocol	TEI-5	N4
NP-040135	29.329	031	1	5.4.1	Rel-5	Add MSISDN to set of Data that may be downloaded	approved	F	5.5.0	Sh interface based on the Diameter protocol	IMS-CCR	N4
NP-040047	29.329	032	2	5.4.1	Rel-6	Introduction of ‘Identity-Set’ AVP	revised	C		Sh interface based on the Diameter protocol	TEI-6	N4
NP-040135	29.329	032	3	5.4.1	Rel-6	Introduction of ‘Identity-Set’ AVP	approved	C	6.0.0	Sh interface based on the Diameter protocol	IMS-CCR	N4
TP-040024	31.102	200	-	3.15.0	R99	Correction of EFIAP coding	approved	F	3.16.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	201	-	4.11.0	Rel-4	Correction of EFIAP coding	approved	A	4.12.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	202	-	5.7.0	Rel-5	Correction of EFIAP coding	approved	A	5.8.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	203	-	6.4.0	Rel-6	Correction of EFIAP coding	approved	A	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	204	-	5.7.0	Rel-5	Correction to Annex G Phonebook Example	approved	F	5.8.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	205	-	6.4.0	Rel-6	Correction to Annex G Phonebook Example	approved	A	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	206	-	3.15.0	R99	CR 31.102 R99: introduction of a missing note regarding DTMF string	approved	F	3.16.0	Characteristics of the USIM application	TEI	T3

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TP-040024	31.102	207	-	4.11.0	Rel-4	Adding missing note about DTMF string	approved	A	4.12.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	208	-	5.7.0	Rel-5	Adding missing note about DTMF string	approved	A	5.8.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	209	-	6.4.0	Rel-6	Adding missing note about DTMF string	approved	A	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	210	-	6.4.0	Rel-6	CR 31.102 Rel-6: Support for transparency in images	approved	C	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	211	-	6.4.0	Rel-6	Correction of references	approved	F	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	212	-	3.15.0	R99	Correction of CHV1 to PIN	approved	F	3.16.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	213	-	4.11.0	Rel-4	Correction of CHV1 to PIN	approved	A	4.12.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	214	-	5.7.0	Rel-5	Correction of CHV1 to PIN	approved	A	5.8.0	Characteristics of the USIM application	TEI	T3
TP-040029	31.102	215	-	3.15.0	R99	Correction of image instance descriptor for colour icons	approved	F	3.16.0	Characteristics of the USIM application	TEI	T3
TP-040029	31.102	216	-	4.11.0	Rel-4	Correction of image instance descriptor for colour icons	approved	A	4.12.0	Characteristics of the USIM application	TEI	T3
TP-040029	31.102	217	-	5.7.0	Rel-5	Correction of image instance descriptor for colour icons	approved	A	5.8.0	Characteristics of the USIM application	TEI	T3
TP-040029	31.102	218	-	6.4.0	Rel-6	Correction of image instance descriptor for colour icons	approved	A	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	219	-	6.4.0	Rel-6	Moving EFSUME from the USIM specification to a SCP specification	approved	F	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	220	-	6.4.0	Rel-6	Essential corrections use of Byte 2 and Byte 3 in EF_AD	approved	F	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040024	31.102	221	-	6.4.0	Rel-6	Reservation of File IDs under ADFusim	approved	F	6.5.0	Characteristics of the USIM application	TEI	T3
TP-040025	31.103	011	-	5.5.0	Rel-5	CR 31.103 Rel-5: Essential corrections to remove Session Keys	approved	F	5.6.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	TEI	T3
TP-040025	31.103	012	-	6.2.0	Rel-6	CR 31.103 Rel-6: Essential corrections to remove Session Keys	approved	A	6.3.0	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	TEI	T3
TP-040026	31.111	104	-	3.11.0	R99	Clarification of Alpha Identifier for BIP commands	approved	F	3.12.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040026	31.111	105	-	6.0.0	Rel-6	Terminal profile alignement with SCP 102 223 CAT specification	approved	F	6.1.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040026	31.111	106	-	6.0.0	Rel-6	Align the OPEN CHANNEL pro-active command and the TERMINAL RESPONSE associated with the specific 3G Quality Of Service (QOS) for packet data channel.	approved	C	6.1.0	Universal Subscriber Identity Module Application Toolkit (USAT)	TEI	T3
TP-040027	31.116	004	-	6.3.0	Rel-6	Clarification on the usage of SIM Remote File Management commands	approved	C	6.4.0	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	TEI	T3
TP-040028	31.121	028	-	3.7.0	R99	CR 31.121 R99: Essential Corrections	approved	F	3.8.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
TP-040028	31.121	029	-	4.6.0	Rel-4	CR 31.121 Rel-4: Essential Corrections	approved	F	4.7.0	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	TEI	T3
SP-040111	32.102	033	-	4.4.0	Rel-4	Correction of reference to invalid TS	approved	F	4.5.0	Telecommunication management; Architecture	OAM-AR	S5
SP-040111	32.102	034	-	5.5.1	Rel-5	Correction of reference to invalid TS	approved	A	5.6.0	Telecommunication management; Architecture	OAM-AR	S5
SP-040112	32.102	035	-	6.1.0	Rel-6	Deletion of clauses in 32.102 that have been moved to new Rel-6 TSs 32.150/1/2	approved	F	6.2.0	Telecommunication management; Architecture	OAM-AR	S5

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SP-040133	32.104	012	-	3.6.0	R99	Correction of XML Measurement Report File format example	approved	F	3.7.0	Telecommunication management; 3G Performance Management	PM	S5
SP-040120	32.111-2	029	-	6.0.1	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	approved	B	6.1.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	OAM-NIM	S5
SP-040120	32.111-4	026	-	6.0.1	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	approved	B	6.1.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040108	32.140	002	-	6.1.0	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	approved	F	6.2.0	Telecommunication management; Subscription Management (SuM) requirements	SuM	S5
SP-040110	32.140	003	-	6.1.0	Rel-6	Update the use cases in SuM	approved	F	6.2.0	Telecommunication management; Subscription Management (SuM) requirements	SuM	S5
SP-040108	32.141	001	-	6.0.0	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	approved	F	6.1.0	Telecommunication management; Subscription Management (SuM) architecture	SuM	S5
SP-040138	32.200	027	-	5.5.0	Rel-5	Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815	approved	F	5.6.0	Telecommunication management; Charging management; Charging principles	OAM-CH	S5
SP-040139	32.205	024	-	4.6.0	Rel-4	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	approved	F	4.7.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-040139	32.205	025	-	5.5.0	Rel-5	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	approved	A	5.6.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	OAM-CH	S5
SP-040137	32.215	032	-	4.6.0	Rel-4	Correction on SGSN PLMN identifier in G-CDR	approved	F	4.7.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	OAM-CH	S5
SP-040143	32.225	023	-	5.4.0	Rel-5	Correction of AVP Codes and Diameter protocol specific details	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040143	32.225	024	-	5.4.0	Rel-5	Corrections on the Session Description Protocol (SDP) parameters	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040143	32.225	025	-	5.4.0	Rel-5	Correction of reference to diameter base protocol	approved	F	5.5.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	OAM-CH	S5
SP-040118	32.302	005	-	5.1.0	Rel-6	Update Ntf IRP IS using new Template and UML Repertoire	approved	F	6.0.0	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	OAM-NIM	S5

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SP-040121	32.362	001	-	6.0.0	Rel-6	Clarification on Entry Point (EP) Integration Reference Point (IRP) Information Service	approved	F	6.1.0	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	OAM-NIM	S5
SP-040134	32.403	026	-	4.5.0	Rel-4	Correction of “Radio link addition” measurements	approved	F	4.6.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040134	32.403	027	-	5.5.0	Rel-5	Correction of “Radio link addition” measurements	approved	A	5.6.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040134	32.403	028	-	6.2.0	Rel-6	Correction of “Radio link addition” measurements	approved	A	6.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040135	32.403	029	-	6.2.0	Rel-6	Add the measurements about Iu connection release	approved	B	6.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	OAM-PM	S5
SP-040116	32.421	003	-	6.2.0	Rel-6	Correction in Trace high level architecture	approved	F	6.3.0	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	OAM-Trace	S5
SP-040119	32.602	006	-	4.2.0	Rel-4	Correction of System Context	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	OAM-CM	S5
SP-040119	32.602	007	-	5.2.0	Rel-5	Correction of System Context	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	OAM-CM	S5
SP-040119	32.612	009	-	4.5.0	Rel-4	Correction of System Context	approved	F	4.6.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	OAM-CM	S5
SP-040119	32.612	010	-	5.2.0	Rel-5	Correction of System Context	approved	A	5.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	OAM-CM	S5
SP-040131	32.615	013	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.612	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040128	32.622	013	-	5.2.0	Rel-5	Addition of missing attributes for the managementScope association	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5

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SP-040128	32.622	014	-	6.0.0	Rel-6	Addition of missing attributes for the managementScope association	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5
SP-040128	32.623	008	-	5.1.0	Rel-5	Addition/correction of attributes for the managementScope association- Alignment with 32.622	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040128	32.623	009	-	6.0.0	Rel-6	Addition/correction of attributes for the managementScope association - Alignment with 32.622	approved	A	6.1.0	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040130	32.624	013	-	5.2.0	Rel-5	Correction of OIDs and alignment of notification support with the IS 32.622	approved	F	5.3.0	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040131	32.625	004	-	5.1.2	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.622	approved	F	5.2.0	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-040131	32.625	005	-	6.0.0	Rel-6	Add the capability to contain instances of VsDataContainer to some MOs - Align with IS 32.622	approved	A	6.1.0	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-040130	32.634	004	-	5.1.0	Rel-5	Removal of the attribute uraList from the MOC MscServerFunction – Alignment with the IS 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	OAM-NIM	S5
SP-040131	32.635	003	-	5.1.1	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.632	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	OAM-NIM	S5
SP-040129	32.641	002	-	5.0.0	Rel-6	Add enhancement for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	OAM-NIM	S5
SP-040129	32.642	019	-	5.3.0	Rel-6	Addition of new attributes for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	OAM-NIM	S5

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SP-040129	32.643	007	-	5.2.0	Rel-6	Enhancement of CORBA SS for support of both FDD and TDD modes	approved	B	6.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	OAM-NIM	S5
SP-040132	32.644	011	-	5.3.0	Rel-5	Correction of OIDs of the MOCs, packages and attributes affected by the change from ura to uraList	approved	F	5.4.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	OAM-NIM	S5
SP-040131	32.645	007	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.642	approved	F	5.4.0	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-040131	32.655	006	-	5.3.0	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.652	approved	F	5.4.0	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-040119	32.662	004	-	5.1.0	Rel-5	Correction of System Context	approved	F	5.2.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM	S5
SP-040119	32.662	005	-	6.1.0	Rel-6	Correction of System Context	approved	A	6.2.0	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	OAM-NIM	S5
SP-040155	33.108	034	-	6.4.0	Rel-6	Corrections to Tables 6.2, 6.7	approved	F	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040156	33.108	035	-	6.4.0	Rel-6	Corrections to Correlation Number	approved	D	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040157	33.108	036	-	6.4.0	Rel-6	Correction to Identifiers	approved	B	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040158	33.108	037	-	5.6.0	Rel-5	Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record”	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040158	33.108	038	-	6.4.0	Rel-6	Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record”	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040159	33.108	039	-	6.4.0	Rel-6	Editorial Corrections	approved	D	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040160	33.108	040	-	5.6.0	Rel-5	Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R5	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040160	33.108	041	-	6.4.0	Rel-6	Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R6	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040161	33.108	042	-	5.6.0	Rel-5	Syntax error in Annex B.4	approved	F	5.7.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040161	33.108	043	-	6.4.0	Rel-6	Syntax error in Annex B.4	approved	A	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3
SP-040162	33.108	044	-	6.4.0	Rel-6	Clarification on the use of IRI-END record in PS interception	approved	F	6.5.0	3G security; Handover interface for Lawful Interception (LI)	SEC1-LI	S3

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SP-040153	33.203	064	-	6.1.0	Rel-6	Addition of AES transform	approved	B	6.2.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-040154	33.203	065	-	6.1.0	Rel-6	Deploying TLS (sips:) for interoperation between IMS and non-IMS network	approved	B	6.2.0	3G security; Access security for IP-based services	IMS-ASEC	S3
SP-040153	33.210	015	-	6.3.0	Rel-6	Addition of AES transform	approved	B	6.4.0	3G security; Network Domain Security (NDS); IP network layer security	SEC-NDS-IP	S3
TP-040037	34.108	284	-	4.9.0	Rel-4	New Radio Bearer Setup (FDD) message for RF (Revision of T1-040258)	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	285	-	4.9.0	Rel-4	Clarification of permitted separate RRC connections for sequential CS/PS registration at power-on	Postponed	F		Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	286	-	3.14.0	R99	Corrections to default message contents of RRC Connection Setup message	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	287	-	4.9.0	Rel-4	Corrections to default message contents of RRC Connection Setup message	approved	A	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	288	-	3.14.0	R99	Correction to Default parameters for Cells 1 to 8 in MultiPLMN cell environments – R99	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	289	-	4.9.0	Rel-4	Correction to Default parameters for Cells 1 to 8 in MultiPLMN cell environments – Rel-4	approved	A	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	290	-	3.14.0	R99	Corrections to TDD HCR RABs	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	291	-	4.9.0	Rel-4	Corrections to TDD HCR RABs	approved	A	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	292	-	4.10.0	Rel-5	New I/B UL:64 DL:768 kbps PS RAB misplaced	approved	F	5.0.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	293	-	3.14.0	R99	DL physical channel configuration in Default message contents for RF	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	294	-	4.10.0	Rel-5	Generic setup procedure and default message contents for HSDPA (as of T1-040069rev1)	approved	F	5.0.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	295	-	4.10.0	Rel-5	Baseline radio bearer combination for HSDPA support	approved	B	5.0.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	296	-	4.9.0	Rel-4	LCR Corrections to TDD RABs merge of T1-040104 , T1-040201 and T1-040203	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	297	-	3.14.0	R99	Correction to handling of Entered Parameter IE in default contents for Initial Direct Transfer	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	298	-	4.9.0	Rel-4	Correction to handling of Entered Parameter IE in default contents for Initial Direct Transfer	approved	A	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	299	-	3.14.0	R99	New Radio Bearer Setup (FDD) message for RF (Revision of T1-040257)	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	300	-	4.9.0	Rel-4	The diverse operation in TDD mode updating according to the core specification	approved	A	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	301	-	3.14.0	R99	The diverse operation in TDD mode updating according to the core specification	approved	F	3.15.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	302	-	4.9.0	Rel-4	correction of measurement control default message contents for TDD	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	303	-	4.9.0	Rel-4	correction of RADIO BEARER SETUP default message contents for 1.28 Mcps TDD	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1

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TP-040037	34.108	304	-	4.9.0	Rel-4	Correction of RADIO BEARER RELEASE default message contents for TDD: AM or UM (1.28 Mcps TDD)	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040037	34.108	305	-	4.9.0	Rel-4	Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH) (1.28 Mcps TDD)	approved	F	4.10.0	Common test environments for User Equipment (UE) conformance testing	TEI	T1
TP-040038	34.121	332	-	5.2.0	Rel-5	Introduction of Test Tolerance to Maximum Input Level test 6.3	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	333	-	5.2.0	Rel-5	CPICH_Ec/Io Inter frequency relative accuracy requirements for reported values.	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	334	-	5.2.0	Rel-5	Correction to the meassurement control message in 8.7.2.	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	335	-	5.2.0	Rel-5	Correction of the TGD value for single gap transmission gap pattern	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	336	-	5.2.0	Rel-5	Correction to the Measurement Control message in 8.7.6 UE Rx-Tx time difference	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	337	-	5.2.0	Rel-5	Introduction of correct reporting of GSM neighbours in AWGN propagation condition test case	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	338	-	5.2.0	Rel-5	Correction to 8.6.2.1 Correct reporting of neighbours in AWGN propagation condition	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	339	-	5.2.0	Rel-5	Correction to RRC connection control test 1 and 2	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	340	-	5.2.0	Rel-5	Correction of measurement control message in inter frequency measurement test cases.	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	341	-	5.2.0	Rel-5	Correction to W-CDMA modulated interferer definition	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	342	-	5.2.0	Rel-5	Removal of square brackets in Annex F.6	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	343	-	5.2.0	Rel-5	Excess test uncertainties	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	344	-	5.2.0	Rel-5	Define TBD message parameters for FDD/FDD Hard Handover test cases	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	345	-	5.2.0	Rel-5	Introduction of Test Tolerances to FDD/FDD Hard Handover to intra-frequency cell, test 8.3.2.1	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	346	-	5.2.0	Rel-5	Introduction of Test Tolerances to FDD/FDD Hard Handover to inter-frequency cell, test 8.3.2.2	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	347	-	5.2.0	Rel-5	Introduction of PRACH preamble tests	approved	B	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	348	-	5.2.0	Rel-5	Correction of requirements of HSDPA CQI reporting in AWGN propagation conditions	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	349	-	5.2.0	Rel-5	Annex A for HSDPA	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	350	-	5.2.0	Rel-5	Annex F.1 for HSDPA	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	351	-	5.2.0	Rel-5	Correction of DL channelisation code value in DL radio resources	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	352	-	5.2.0	Rel-5	Correction to F.4.1	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1

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TP-040038	34.121	353	-	5.2.0	Rel-5	Links to Annex F.6.2 in RRM test cases	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040038	34.121	354	-	5.2.0	Rel-5	Clarify measurement control for FDD/FDD Inter-frequency Hard Handover test case	approved	F	5.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	TEI	T1
TP-040040	34.123-1	260	-	5.6.0	Rel-5	Correction to RLC test case 7.2.3.35	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	646	1	5.6.0	Rel-5	Removal of package 1 RRC test case 8.2.5.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	652	2	5.6.0	Rel-5	Corrections to prose for test case 7.1.1.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	653	1	5.6.0	Rel-5	Corrections to prose for test cases 8.1.1.4, 8.1.1.5 and 8.1.1.6	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	654	1	5.6.0	Rel-5	Clarification of Clause 8.3.1.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	655	1	5.6.0	Rel-5	Corrections to prose for RRC test case 8.3.1.22	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	656	1	5.6.0	Rel-5	Correction to prose for test case 8.3.2.7	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	658	-	5.6.0	Rel-5	Correction to Multi PLMN MM test cases.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	659	-	5.6.0	Rel-5	Correction to Multi PLMN GMM test cases.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	661	-	5.6.0	Rel-5	Corrections to Package 1 RLC AM test cases to align with TTCN implementation and correct test case 7.2.3.33 (Revision of T1-040096)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	662	-	5.6.0	Rel-5	Corrections to TMSI Status usage in GMM test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	663	-	5.6.0	Rel-5	Correction to Package 2 Inter-system handover testcase 8.3.7.4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	664	-	5.6.0	Rel-5	Introduction of new test cases for lossless SRNS relocation in L2/PDCP, clause 7.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	665	-	5.6.0	Rel-5	Clarification of initial condition for 8.1.1.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	666	-	5.6.0	Rel-5	Correction to RLC test case 7.2.3.19	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	667	-	5.6.0	Rel-5	New HSDPA radio bearer test cases	approved	B	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	668	-	5.6.0	Rel-5	Corrections to package 2 test RRC tc 8_2_2_23-unclassified test RRC tc 8_1_3_6-unclassified test RRC tc 8_1_6_4-unclassified test RRC tc 8_2_6_36	approved	D	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	669	-	5.6.0	Rel-5	Correction to Unclassified tests RRC tc 8_3_1_29	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	669	-	5.6.0	Rel-5	CR to 34.123-1 REL-5; Correction to Unclassified tests RRC tc 8_3_1_29	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	670	-	5.6.0	Rel-5	CR to 34.123-1 REL-5; Correction to Unclassified tests RRC tc 8_3_7_10	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	670	-	5.6.0	Rel-5	Correction to Unclassified tests RRC tc 8_3_7_10	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	671	-	5.6.0	Rel-5	Correction to Unclassified tests RRC tc 8_3_1_18	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	672	-	5.6.0	Rel-5	Correction to package 4 RRC test case 8.3.2.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	673	-	5.6.0	Rel-5	Correction of a test step number given in the Test Requirement for Package 1 test case 12.9.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	674	-	5.6.0	Rel-5	Corrections to P3 Cell Selection (HCS) test cases.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	675	-	5.6.0	Rel-5	Corrections to P1 RRC test cases 8.3.1.1 and 8.3.1.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	677	-	5.6.0	Rel-5	Corrections to P2 RRC test case 8.3.1.4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	678	-	5.6.0	Rel-5	Correction to P2 RRC test case 8.3.1.22	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	679	-	5.6.0	Rel-5	Removal of low priority GMM test cases 12.4.1.1c and 12.4.2.3a	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	680	-	5.6.0	Rel-5	Correction to 8.4.1.41 (P4)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	681	-	5.6.0	Rel-5	Correction to RRC P4 TC 8.4.1.41 due to RAN CR 2146.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	682	-	5.6.0	Rel-5	Correction to RRC P1 TC 8.1.1.7	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	683	-	5.6.0	Rel-5	Correction to Package 2 idle mode test cases 6.2.2.2 and 6.2.2.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	684	-	5.6.0	Rel-5	Correction to 7.2.3.21 (P1)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	685	-	5.6.0	Rel-5	Corrections to Package 2 MM Test Case 9.3.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	686	-	5.6.0	Rel-5	Correction to Unclassified tests RRC test cases 8_2_6_6..	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	687	-	5.6.0	Rel-5	Correction to low priority inter-RAT cell change order test cases 8.3.11.4 & 8.3.11.6. Merge of T1-040081 and T1-040115.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	688	-	5.6.0	Rel-5	Future compatibility of RRC critical extension testing	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	689	-	5.6.0	Rel-5	CR to 34.123-1 REL-5; Correction to Unclassified tests RRC tc 8_3_9_2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	689	-	5.6.0	Rel-5	Correction to Unclassified tests RRC tc 8_3_9_2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	690	-	5.6.0	Rel-5	CR to 34.123-1 REL-5; Correction to Unclassified tests RRC tc 8_3_9_4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	690	-	5.6.0	Rel-5	Correction to Unclassified tests RRC tc 8_3_9_4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	691	-	5.6.0	Rel-5	Correction to package 4 RRC test case 8.3.9.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	692	-	5.6.0	Rel-5	Removal of 8.2.2.25 (P3) and correction to 8.2.2.10 (P2) for clarification	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	693	-	5.6.0	Rel-5	Corrections of 8.2.1.26 (P4) (Revision of T1-040266)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	694	-	5.6.0	Rel-5	Correction to handling of EnteredParameter IE in package 1 test cases 8.1.1.1, 8.1.1.7, and 8.1.1.8; revision of T1-040060	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	695	-	5.6.0	Rel-5	Corrections to TestCases 8.3.4.1 and 8.3.4.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	696	-	5.6.0	Rel-5	Seamless SRNS relocation test cases for TS 34.123-1 v5.6.0 (Revision of T1-040129)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	697	-	5.6.0	Rel-5	Corrections to the Package 1 TestCase 8.1.2.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	698	-	5.6.0	Rel-5	Correction to package 2 RRC test case 8.1.10.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	699	-	5.6.0	Rel-5	Correction to P2 MAC test case 7.1.3.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	700	-	5.6.0	Rel-5	Correction to GCF package 1 RLC testcases 7.2.3.26 and 7.2.3.27	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	701	-	5.6.0	Rel-5	Correction to 8.4.1.30 (P3) – Revision of T1-040125	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	702	-	5.6.0	Rel-5	Correction to 8.3.1.30 (Low priority) – Revision of T1-040128	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	703	-	5.6.0	Rel-5	Correction to RRC low priority TC 8.2.6.29 revision of T1-040182.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	704	-	5.6.0	Rel-5	Correction to TestCase 8.1.2.3	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	705	-	5.6.0	Rel-5	Corrections to TestCase 8.3.1.15	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	706	-	5.6.0	Rel-5	Correction to TestCase 8.3.2.4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	707	-	5.6.0	Rel-5	Corrections to the testcase 8.2.2.35	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	708	-	5.6.0	Rel-5	Corrections to the RRC Test cases 8.1.3.1, 8.1.3.2, 8.1.3.3, 8.1.3.4 & 8.1.3.5	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	709	-	5.6.0	Rel-5	Correction to Package II MM test case 9.4.8	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	710	-	5.6.0	Rel-5	Correction to handling of EnteredParameter IE in test cases 8.1.1.9, 8.3.1.5, and 8.3.1.6	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	711	-	5.6.0	Rel-5	Modifications in clause 11.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	712	-	5.6.0	Rel-5	Correction to RRC P4 TC 8.2.6.37	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	713	-	5.6.0	Rel-5	Corrections to PDP context deactivation procedure test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	714	-	5.6.0	Rel-5	Modification to NAS TC 12.3.2.1 to prevent an optional ATTACH REQUEST during the RRC connection release procedure. (Revision of T1-040059 and T1-040235)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	715	-	5.6.0	Rel-5	Correction to GMM Package II test case 12.2.1.7	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	716	-	5.6.0	Rel-5	Correction to package 4 test case 12.4.1.4b	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	717	-	5.6.0	Rel-5	Correction to GMM test case 12.4.2.1	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	718	-	5.6.0	Rel-5	Correction to GMM test case 12.9.4	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	719	-	5.6.0	Rel-5	Correction to Package 1 GMM test case 12.3.1.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	720	-	5.6.0	Rel-5	Correction to GMM test case 12.4.1.1a	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	721	-	5.6.0	Rel-5	Correction to some of the GMM test cases to include CS registration	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	722	-	5.6.0	Rel-5	Correction to some of the GMM test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	723	-	5.6.0	Rel-5	Corrections to add minimum set of TFCIs to RB test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	724	-	5.6.0	Rel-5	New HSDPA MAC test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	725	-	5.6.0	Rel-5	New HSDPA RRC test cases (as of T1-040072rev1)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	726	-	5.6.0	Rel-5	New SM test case for QoS extension for rates above 8640 kbps	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	727	-	5.6.0	Rel-5	Splitting ISHO high data rate tests 8.3.7.2 and 8.3.7.3 (Revision of T1-040143 and T1-040357).	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	728	-	5.6.0	Rel-5	New test case for approved I/B UL:64 DL:768 kbps PS RAB (TTI=20ms option) – Revision of T1-040108 and T1-040395	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	729	-	5.6.0	Rel-5	Correction to package 2 GMM test case 12.6.1.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	730	-	5.6.0	Rel-5	Correction to CC test case 10.1.2.4.11	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	731	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content in clause 8.2.4.29	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	732	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Physical channel reconfiguration test case	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	733	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Quality measurements clause 8.4.1.22	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	734	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Inter-frequency measurement for event 2A	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	735	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for internal measurement for event 6A and 6B	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	736	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE internal measurement t for event 6G	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	737	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE internal measurement t for event 6F	approved	B	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	738	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE Traffic Volume measurement	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	739	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE internal measurement, event 6c	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	740	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE internal measurement, event 6d	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	741	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for UE internal measurement, event 6e	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	742	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content for Intra-frequency measurement, event1H and 1I (TDD)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	743	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Intra-frequency measurement for transition from idle mode to CELL_DCH state (TDD)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	744	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Intra-frequency measurement transition from idle mode to CELL_FACH state (TDD)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	745	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Intra-frequency measurement transition from CELL_DCH to CELL_FACH state (TDD)	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	746	-	5.6.0	Rel-5	Correction to package 3 test cases 16.1.2 and 16.2.2package 3 test cases 16.1.2and 16.2.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1

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TP-040040	34.123-1	747	-	5.6.0	Rel-5	Correction to package 2 GMM test case 12.4.2.2 package 2 GMM test case 12.4.2.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	748	-	5.6.0	Rel-5	Corrections to SM QoS negotiation test cases negotiation test cases	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	749	-	5.6.0	Rel-5	Correct editorial errors and reference point for PRACH and UpPCH for 1.28 Mcps TDD in section 7.1.2.4 of TS34.123-17.1.2.4: Correct for PRACH and UpPCH	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	750	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Inter-frequency measurement for event 2B and 2E	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	751	-	5.6.0	Rel-5	Add 1.28 Mcps TDD content of Inter-frequency measurement for event 2D and 2F	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040040	34.123-1	752	-	5.6.0	Rel-5	Adding of new test cases for events 1G for 1.28 Mcps TDD	approved	B	5.7.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	TEI	T1
TP-040041	34.123-2	137	-	5.6.0	Rel-5	PICS parameter update according TTCN clarification	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	138	-	5.6.0	Rel-5	Removal of low priority GMM test cases 12.4.1.1c and 12.4.2.3a	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	139	-	5.6.0	Rel-5	Applicability of Package 1 SM test cases 11.3.1 and 11.3.2	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	140	-	5.6.0	Rel-5	Change of applicability for RLC P1 TC 7.2.3.13	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	141	-	5.6.0	Rel-5	Introduction and applicability conditions of new test cases for lossless SRNS relocation	approved	D	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	142	-	5.6.0	Rel-5	Correction of Applicability for RRC TC 8.2.1.26. Revision of T1-040270.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	143	-	5.6.0	Rel-5	New HSDPA test cases	approved	B	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	144	-	5.6.0	Rel-5	Introduction of applicability for split Inter-System Handover Test Cases 8.3.7.2a and 8.3.7.3a	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	145	-	5.6.0	Rel-5	Section 4: Inclusion of a test case added to RRC physical channel reconfiguration test cases for TDD 1.28 Mcps	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040041	34.123-2	146	-	5.6.0	Rel-5	Inclusion of test for Events 6F for TDD 1.28 Mcps option in ICS part.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1

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TP-040041	34.123-2	147	-	5.6.0	Rel-5	Inclusion of test for Events 1G for TDD 1.28 Mcps option in ICS part.	approved	F	5.7.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	TEI	T1
TP-040042	34.123-3	151	-	3.4.0	R99	GERAN ASP changes	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	152	-	3.4.0	R99	Addition of NAS test case 9.1 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	153	-	3.4.0	R99	Addition of NAS test case 9.2.2 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	154	-	3.4.0	R99	Addition of NAS test case 9.4.1 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	155	-	3.4.0	R99	Addition of NAS test case 9.4.2.1 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	156	-	3.4.0	R99	Addition of NAS test case 9.4.2.4.1 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	157	-	3.4.0	R99	Addition of NAS test case 9.4.4 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	158	-	3.4.0	R99	Addition of NAS test case 9.4.5.3 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	159	-	3.4.0	R99	Addition of RRC test case 8.3.7.1 to RRC ATS V3.4.0	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	161	-	3.4.0	R99	Addition of RRC test case 8.3.7.4 to RRC ATS V3.4.0	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	162	-	3.4.0	R99	Addition of NAS test case 12.2.1.7 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	163	-	3.4.0	R99	Addition of RAB test case 14.2.27 to RAB ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	164	1	3.4.0	R99	Test Case tc_12_6_1_1	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	-	T1
TP-040043	34.123-3	165	-	3.4.0	R99	Test Case 8.2.4.3	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	-	T1
TP-040043	34.123-3	166	-	3.4.0	R99	Test Case 8.2.4.4	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	-	T1
TP-040043	34.123-3	168	-	3.4.0	R99	Addition of NAS test case 9.4.2.2.1 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1

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TP-040043	34.123-3	169	-	3.4.0	R99	Addition of NAS test case 9.4.2.2.2 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	170	-	3.4.0	R99	Addition of NAS test case 9.4.9 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	171	-	3.4.0	R99	Addition of NAS test case 9.4.2.5 to NAS ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	172	-	3.4.0	R99	Correction to RRC Package 1 TC 8.2.1.8 and 8.2.1.9 for the mismatch between Radio Bearer setup and PDP context Activation Accept message	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	173	1	3.4.0	R99	Incorrect Timer poll value used for SS RLC transmit entity in TCs 8.2.1.8,8.2.1.9 (Revision of T1-031782)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	174	2	3.4.0	R99	Correction of POLL bit checking in test case 7.2.3.13 (Revision of T1-031839)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	175	1	3.4.0	R99	Modification to Radio Bearer Release message in TCs 8.2.3.18 and 8.2.3.19. (Revision of T1-031843)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	176	1	3.4.0	R99	Maximum allowed UL TX power should not be present in TC 8.2.2.8, 8.2.2.9 and 8.2.2.23 (Revision of T1-031837)	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	177	-	3.4.0	R99	New C-RNTI should not be present in TC 8.2.6.20	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	178	-	3.4.0	R99	Unnecessary waiting time for (re)configuration in Test Case 8.2.2.23	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	179	-	3.4.0	R99	Modification to validate TI Flag and TI Value in TCs 11.3.1 and 11.3.2.	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	180	-	3.4.0	R99	Change U-RNTI and remove UTRAN DRX cycle length coefficient TC 8.3.3.1	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	181	-	3.4.0	R99	Correction of STATUS PDU checking in TC 7.2.3.34	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	182	-	3.4.0	R99	Correction of the number of negatively acknowledge PDUs in TC 7.2.3.16	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	183	-	3.4.0	R99	Correction of sequence number checking and verdict assignments in TC 7.2.3.17	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	184	-	3.4.0	R99	Poll Bit and STATUS PDU content checking in TC 7.2.3.14	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	185	-	3.4.0	R99	Additional verdicts assigned in TC 7.2.3.20	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1

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TP-040043	34.123-3	186	-	3.4.0	R99	SERVICE ACCEPT message NOT to be sent to UE in GMM Idle state in TCs 11.3.1 and 11.3.2.	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	NA	T1
TP-040043	34.123-3	187	-	3.4.0	R99	Change to performing Integrity Protection in TC 12.2.1.1	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	188	-	3.4.0	R99	Correction of POLL bit checking in test case 7.2.3.18	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040019	34.123-3	189	-	3.4.0	R99	Addition of RAB test case 14.2.29 to RAB ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040019	34.123-3	190	-	3.4.0	R99	Addition of RAB test case 14.2.31.1 to RAB ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040019	34.123-3	191	-	3.4.0	R99	Addition of RAB test case 14.2.32.1 to RAB ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040019	34.123-3	193	-	3.4.0	R99	Addition of RAB test case 14.4.3 to RAB ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	205	-	3.4.0	R99	Addition of RRC test case 8.3.2.1 to RRC ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	206	-	3.4.0	R99	Addition of RRC test case 8.3.2.4 to RRC ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	207	-	3.4.0	R99	Addition of RRC test case 8.3.2.7 to RRC ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	224	-	3.4.0	R99	Addition of RRC test case 8.3.1.31 to RRC ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040043	34.123-3	226	-	3.4.0	R99	Validation of TMSI Status in ATTACH REQUEST message for TC 12.3.1.5.	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	227	-	3.4.0	R99	Validation of optional Old PTMSI Signature in ATTACH REQUEST message in TC 12.2.1.1	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	230	-	3.4.0	R99	Validation of CS CKSN in PAGING RESPONSE in TC 9.2.1.	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
TP-040043	34.123-3	232	-	3.4.0	R99	Addition of RRC test case 8.3.1.3 to RRC ATS V3.4.0	approved	B	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	N/A	T1
TP-040044	34.123-3	254	-	3.4.0	R99	Updating Annex A	approved	F	3.5.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	TEI	T1
RP-040038	34.124	015	-	5.3.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.4.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	TEI-5	R4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WI	WG Resp
RP-040038	34.926	001	-	5.0.0	Rel-5	Correction of references to ITU recommendations	approved	F	5.1.0	Table of international EMC requirements	TEI-5	R4
SP-040056	41.101	002	-	4.9.0	Rel-4	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-4	SP
SP-040221	41.101	002	-	4.9.0	Rel-4	Corrections to list of specifications	approved	F	4.10.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-4	SP
SP-040221	41.101	003	-	5.5.2	Rel-5	Corrections to list of specifications	approved	F	5.6.0	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-5	SP
SP-040056	41.101	003	-	5.5.2	Rel-5	Corrections to list of specifications	withdrawn	F		Technical Specifications and Technical Reports for a GERAN-based 3GPP system	TEI-5	SP
TP-040029	51.011	031	-	4.10.0	Rel-4	Correction of image instance descriptor for colour icons	approved	A	4.11.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	TEI	T3

Work Program Key:

F/ BB/ WT	WI Level: **F=Feature** **BB=Building Block** WT=Work Task
WI ID	Work Item Unique ID number
WG	Responsible Working Group
Rel	Allocated Release
Split	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**	**MISTST 1**		02/04/ 2001 08:00	01/12/ 2004 17:00	50%	No	No			
BB	**1862**	**T1**	**Rel Indep**	**N**	**Optimisation of Test Time, RF Aspects (FDD)**	**MISTST1 -OpFDD**	TSG	24/09/2001 08:00	03/09/2003 17:00	70%	No	No	34.121	It is believed that the current R99 test spec. can be optimised for faster overall test times	
BB	**1863**	**T1**	**Rel Indep**	**N**	**Optimisation of Test Time, RF Aspects (TDD)**	**MISTST1 -OpTDD**	TSG	24/09/2001 08:00	03/09/2003 17:00	70%	No	No	34.122	It is believed that the current R99 test spec. can be optimised for faster overall test times	
BB	**1907**	**T1**		**N**	**Extensions to R99 Test cases**	**MISTST1 -Ext**	TSG	02/04/2001 08:00	02/12/2003 17:00	70%	No	No	34.123 pts 1,2	Further test coverage of the R99 specification to cover supplementry services	
BB	**2564**	**T1**		**N**	**Extension to R99 Test cases - TTCN**		TSG	28/06/2002 08:00	03/03/2004 17:00	50%	No	No			
BB	**2565**	**T1**		**N**	**Creation of R99 TCs for TDD - prose**	**MISTST1 -TDD**	TSG	01/10/2001 08:00	01/07/2004 17:00	50%	No	No	34.123-1		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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	**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			

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

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

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

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

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

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

Annex I: Current content of Release 6+, extracted from the Project Plan - Version March 11 2004

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**1216**	**RP**	**Rel-6**	**Y**	**Improvements of Radio Interface**	**RInImp**	**TSG**	**14/08/2000 08:00**	**14/09/2004 17:00**	**67%**	**No**	**No**		**This is a generic feature without particular end date**	
B	**3741**	**R1**	**Rel-6**	**N**	**Improvement of inter-frequency and inter-system measurement**	**RInImp-IfIsM**	**TSG**	**01/01/2001 08:00**	**12/03/2004 17:00**	**50%**	**No**	**No**			**Antti Toskala, Nokia**
B	**3742**	**R4**	**Rel-6**	**N**	**Improving Receiver Performance Requirements for the FDD UE**	**RInImp-UERecPerf**	**TSG**	**08/03/2002 08:00**	**19/09/2003 17:00**	**100 %**	**No**	**No**			**Shimon Moshavi, Intel**
B	**3461**	**R4**	**Rel-6**	**N**	**Base station classification**	**RInImp-BSClass**	**TSG**	**14/08/2000 08:00**	**04/12/2002 17:00**	**100 %**	**No**	**No**			
B	3249	R4	Rel-6	N	FDD Base station classification	RInImp-BSClass-FDD	TSG	14/08/2000 08:00	04/12/2002 17:00	100%	Yes	Yes			A. Toskala, Nokia
B	**3743**	**R4**	**Rel-6**	**N**	**UMTS-850**	**RInImp-UMTS850**	**TSG**	**06/12/2002 08:00**	**12/12/2003 17:00**	**100 %**	**No**	**No**			**Don Zelmer, Cingular**
B	**3744**	**R4**	**Rel-6**	**N**	**DS-CDMA introduction in the 800 MHz band**	**RInImp-UMTS800**	**TSG**	**14/03/2003 08:00**	**12/12/2003 17:00**	**100 %**	**No**	**No**			**Takehiro Nakamura, NTT DoCoMo**
B	**3745**	**R4**	**Rel-6**	**N**	**UMTS 1.7/2.1 GHz**	**RInImp-UMTS1721**	**TSG**	**14/03/2003 08:00**	**12/03/2004 17:00**	**90%**	**No**	**No**			**Jussi Numminen, Nokia**
B	**3778**	**R4**	**Rel-6**	**N**	**Improved Receiver Performance Requirements for HSDPA**	**RInImp-HSPerf**	**TSG**	**15/12/2003 08:00**	**14/09/2004 17:00**	**0%**	**No**	**No**		**Approved at TSG RAN#22 as RP-030732**	**Jussi Numminen, Nokia**
B	3779	R4	Rel-6	N	Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	TSG	15/12/2003 08:00	14/09/2004 17:00	0%	No	No	TS25.101	Approved at TSG RAN#22 as RP-030731	Takehiro Nakamura (NTT DoCoMo)
B	**3777**	**RP**	**Rel-6**	**N**	**Feasibility Studies**			**14/08/2000 08:00**	**14/09/2004 17:00**	**60%**	**No**	**No**			
B	3754	R1	Rel-6	N	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	14/08/2000 08:00	19/03/2004 17:00	50%	No	No			Antti Toskala, Nokia Networks
B	3755	R4	Rel-6	N	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	12/03/2001 08:00	19/03/2004 17:00	60%	No	No			Andrea Casini, Tekmar Sistemi

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3756	R1	Rel-6	N	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	14/12/2001 08:00	19/09/2003 17:00	100%	No	No			Li Xiao Qiang, SAMSUNG
B	3757	R1	Rel-6	N	FS for the analysis of OFDM for UTRAN enhancement	RInImp-FSOFDM	TSG	10/06/2002 08:00	14/06/2004 17:00	55%	No	No			Sarah Boumendil, Nortel
B	3758	R1	Rel-6	N	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	06/09/2002 08:00	12/03/2004 17:00	65%	No	No			Karri Ranta-aho, Nokia
B	3759	R1	Rel-6	N	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	06/09/2002 08:00	14/06/2004 17:00	75%	No	No			Tim Wilkinson, IPWireless
B	3760	R3	Rel-6	N	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	TSG	13/06/2003 08:00	12/03/2004 17:00	55%	No	No			Ana Burgos, Telefonica
B	3761	R1	Rel-6	N	FS on Uplink enhancements for UTRA TDD	RInImp-FSUpEnhTDD	TSG	06/06/2003 08:00	14/09/2004 17:00	5%	No	No			Marian Rudolf, Interdigital
B	3197	R4	Rel-6	N	FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	TSG	08/03/2002 08:00	06/09/2002 17:00	100%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
F	**2468**	**R1**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas (MIMO)**	**MIMO**	**TSG**	**14/03/2003 08:00**	**17/12/2004 17:00**	**17%**	**No**	**No**			**Howard Huang, Lucent**
B	**3653**	**R1**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas - Physical layer**	**MIMO-Phys**	**TSG**	**14/03/2003 08:00**	**14/09/2004 17:00**	**40%**	**No**	**No**			**Howard Huang, Lucent**
B	**3654**	**R2**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas - Layer 2,3 aspects**	**MIMO-L23**	**TSG**	**12/09/2003 08:00**	**14/09/2004 17:00**	**0%**	**No**	**No**			**Howard Huang, Lucent**
B	**3655**	**R3**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects**	**MIMO-IurIub**	**TSG**	**14/03/2003 08:00**	**14/09/2004 17:00**	**0%**	**No**	**No**			**Howard Huang, Lucent**
B	**3656**	**R4**	**Rel-6**	**N**	**Multiple Input Multiple Output antennas - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing**	**MIMO-RF**	**TSG**	**12/12/2003 08:00**	**17/12/2004 17:00**	**27%**	**No**	**No**			**Man Hung Ng, Lucent**
F	**9**	**RP**	**Rel-6**	**Y**	**RAN improvements**	**RANimp**	**TSG**	**25/03/2002 08:00**	**16/12/2005 17:00**	**50%**	**No**	**No**		**Generic feature**	
B	**624**	**R2**	**Rel-6**	**N**	**RAB support enhancement**	**RANimp-RABSE**	**TSG**	**14/03/2003 08:00**	**19/03/2004 17:00**	**20%**	**Yes**	**Yes**		**This is a building block without particular end date**	**Juha Mikola, Nokia**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3657	R3	Rel-6	N	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	14/03/2003 08:00	19/03/2004 17:00	20%	No	No			Phillipe Godin, Nortel
B	**3097**	**R3**	**Rel-6**	**N**	**Improvement of RRM across RNS and RNS/BSS**	**RANimp-RRM1**	**TSG**	**25/03/2002 08:00**	**05/12/2003 17:00**	**35%**	**No**	**No**			**Antti Toskala, Nokia**
B	**3286**	**R1**	**Rel-6**	**N**	**Beamforming Enhancements**	**RANimp-BFE**	**TSG**	**19/09/2003 00:00**	**16/12/2005 17:00**	**100 %**	**No**	**No**			**Jussi Kähtävä, Nokia**
B	**3658**	**R3**	**Rel-6**	**N**	**Rel6 RRM optimization for Iur and Iub**	**RANimp-RRMopt**	**TSG**	**19/09/2003 00:00**	**12/03/2004 17:00**	**60%**	**No**	**Yes**			**Gert-Jan van Lieshout, Ericsson**
B	3762	R3	Rel-6	N	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	19/09/2003 00:00	12/03/2004 17:00	60%	No	No	TS25.423		Jim Miller, Interdigital
B	**3659**	**R3**	**Rel-6**	**N**	**Remote Control of Electrical Tilting Antennas**	**RANimp-TiltAnt**	**TSG**	**14/03/2003 08:00**	**12/03/2004 17:00**	**30%**	**No**	**No**			**Andreas Hauser, Vodafone**
B	**3660**	**R3**	**Rel-6**	**N**	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects**	**RANimp-NACC**	**TSG**	**09/09/2002 08:00**	**12/03/2004 17:00**	**17%**	**No**	**No**			**Brendan McWilliams, Vodafone**
B	**3601**	**R3**	**Rel-6**	**N**	**FS of the improved access to UE measurement data for CRNC to support TDD RRM**	**RANimp-RRMopt-FSUEMsD**	**TSG**	**06/12/2002 08:00**	**18/12/2003 17:00**	**100 %**	**No**	**No**			**Jim Miller, Interdigital**
B	**3467**	**R3**	**Rel-6**	**N**	**FS on the evolution of the UTRAN architecture**	**RANimp-FSEvo**	**TSG**	**09/09/2002 08:00**	**12/03/2004 17:00**	**20%**	**No**	**No**			**Woonhee Hwang, Nokia**
F	**3665**	**S2**	**Rel-6**	**N**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**EMC1**	**TSG**	**14/08/2000 08:00**	**03/06/2005 17:00**	**30%**	**No**	**No**			**Rainer Liebhart**
B	**1314**	**S1**	**Rel-6**	**N**	**Service Requirements for IP-based emergency calls**			**18/09/2000 08:00**	**27/06/2003 17:00**	**90%**	**No**	**No**	**22.976**		
B	**3666**	**S2**	**Rel-6**	**Y**	**Stage 2**		**TSG**	**26/02/2003 08:00**	**30/11/2004 17:00**	**53%**	**No**	**No**			**Miikka Poikselka, Nokia**
B	**1653**	**N1**	**Rel-6**	**N**	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**			**14/08/2000 08:00**	**03/06/2005 17:00**	**8%**	**Yes**	**Yes**			**Mr Atle Monrad, Ericsson**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	1315	N1	Rel-6	N	SIP emergency calls and packet emergency calls signalling flows			17/10/2000 08:00	03/06/2005 17:00	16%	No	No	TS 24.228		Mr Atle Monrad, Ericsson
B	1646	N1	Rel-6	N	Stage 3 for emergency calls and packet emergency calls in general			14/08/2000 08:00	03/06/2005 17:00	0%	No	No	TS 24.229		Mr Atle Monrad, Ericsson
F	**3214**	**S2**	**Rel-6**	**N**	**Location Services enhancements 2**	**LCS2**	**TSG**	**28/08/2000 08:00**	**30/06/2004 17:00**	**63%**	**No**	**No**			
B	**3215**	**S2**	**Rel-6**	**N**	**Improvement on Le interface**		**TSG**	**17/06/2002 08:00**	**23/12/2003 17:00**	**74%**	**No**	**No**			
B	3667	S2	Rel-6	N	Stage 2			17/06/2002 08:00	22/09/2003 17:00	100%	No	No			
B	3692	OMA	Rel-6	N	Stage 3 in OMA - it impacts Mobile Location Protocol (MLP)			10/07/2003 08:00	23/12/2003 17:00	0%	No	No			
B	**3216**	**S2**	**Rel-6**	**N**	**Enhanced support for anonymity and user privacy**		**TSG**	**08/07/2002 08:00**	**23/12/2003 17:00**	**68%**	**No**	**No**			
B	3669	S2	Rel-6	N	Stage 2			08/07/2002 08:00	27/06/2003 17:00	100%	No	No			
B	3693	OMA	Rel-6	N	Stage 3 in OMA (it impacts MLP and RLP)			10/07/2003 08:00	23/12/2003 17:00	0%	No	No			
B	**2630**	**S2**	**Rel-6**	**N**	**Enhanced inter-GMLC interface**		**TSG**	**24/06/2002 08:00**	**12/09/2003 17:00**	**76%**	**No**	**No**			
B	3670	S2	Rel-6	N	Stage 2			24/06/2002 08:00	05/09/2003 17:00	86%	No	No			
B	3694	OMA	Rel-6	N	Stage 3 in OMA (definition of RLP and PCP)			02/09/2002 08:00	12/09/2003 17:00	65%	No	No			
B	**2810**	**S2**	**Rel-6**	**N**	**Location Services support for IMS public identities**		**TSG**	**02/09/2002 08:00**	**23/01/2004 17:00**	**71%**	**No**	**No**			
B	3671	S2	Rel-6	N	Stage 2			24/02/2003 08:00	23/01/2004 17:00	100%	No	No			
B	3695	OMA	Rel-6	N	Stage 3 in OMA (impacts MLP, RLP and PCP)			02/09/2002 08:00	19/12/2003 17:00	51%	No	No			
B	**3217**	**S2**	**Rel-6**	**N**	**New area event for location service triggering reports**		**TSG**	**03/06/2002 08:00**	**18/06/2004 17:00**	**67%**	**No**	**No**			
B	3672	S2	Rel-6	N	Stage 2			03/06/2002 08:00	27/06/2003 17:00	100%	No	No			
B	3696	N4	Rel-6	N	Stage 3 for UE-CN signalling			09/10/2003 08:00	18/06/2004 17:00	57%	No	No		31/10/2003 work has started. Current stage 3 fullfills the requirements of stage 2.	

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th

F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3697	OMA	Rel-6	N	Stage 3 in OMA (impacts MLP, RLP and PCP)			14/07/2003 08:00	19/12/2003 17:00	0%	No	No			
B	**3544**	**S2**	**Rel-6**	**N**	**FS on applicability of GALILEO for LCS**			**08/07/2002 08:00**	**30/06/2004 17:00**	**54%**	**No**	**No**			
B	3698	S2	Rel-6	N	TR on Stage 2 (No contributions received, No feedback from other groups since May)			08/07/2002 08:00	30/06/2004 17:00	67%	No	No			
B	3699	GP	Rel-6	N	GERAN review of the TR			25/08/2003 08:00	06/02/2004 17:00	0%	No	No			
B	**3469**	**RP**	**Rel-6**	**N**	**UE positioning**	**LCS2-UEpos**	**TSG**	**28/08/2000 08:00**	**14/06/2004 17:00**	**56%**	**No**	**No**			
B	2457	R2	Rel-6	N	UE positioning enhancements - other methods	LCS2-UEpos-enh	TSG	28/08/2000 08:00	26/09/2003 17:00	10%	No	No		This is a building block without particular end date	Meik Kottkamp, Siemens
B	2475	R2	Rel-6	N	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	15/01/2001 08:00	19/09/2003 17:00	100%	No	No			Meik Kottkamp, Siemens
B	3684	R4	Rel-6	N	A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	TSG	06/06/2003 08:00	14/06/2004 17:00	30%	No	No			Donglin Shen, AT&T Wireless Services
B	3211	R2	Rel-6	N	FS on Enhancements to OTDOA Positioning using advanced blanking methods	LCS2-UEpos-FSBlank	TSG	01/07/2002 08:00	19/09/2003 17:00	100%	No	No			David Bartlett, Cambridge Positioning Systems
F	**1571**	**S3**	**Rel-6**	**N**	**Security enhancements**	**SEC1**	**TSG**	**03/01/2001 08:00**	**18/06/2004 17:00**	**38%**	**No**	**No**		**Added BB UE authentication and rapporteur added.**	**Peter Howard, Vodafone**
B	**2026**	**S3**	**Rel-6**	**N**	**Enhanced HE control of security (including positive authentication reporting)**			**03/01/2001 08:00**	**25/09/2003 17:00**	**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**
B	2027	S3	Rel-6	N	Stage 2			03/01/2001 08:00	14/06/2002 17:00	0%	No	No		New end date and correct Release to be decided S3#18	
B	3528	S3	Rel-6	N	Network domain security	SEC1-NDS	TSG	17/06/2002 08:00	25/09/2003 17:00	50%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
B	3529	S3	Rel-6	N	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	17/06/2002 08:00	25/09/2003 17:00	50%	No	No	TS 33.210	Should be complete after SA3#27	
B	**3661**	**S3**	**Rel-6**	**N**	**Network Domain Security; Authentication Framework (NDS/AF)**	**SEC1-NDS-AF**	**TSG**	**15/02/2002 08:00**	**13/02/2004 17:00**	**70%**	**No**	**No**		**WID approved SA#19. Work started after FS approved SA#18**	**Tommi Viitanen, Nokia**

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	**3815**	**S3**	**Rel-6**	**N**	**Key Management of group keys for Voice Group Call Services**	**SECGKYV**	**TSG**	**26/09/2003 08:00**	**18/06/2004 17:00**	**5%**	**No**	**No**	**42.068, 43.068, 44.068, 42.069, 43.069, 44.069, 31.102, 24.008, 48.008, 42.009, 43.020**	**Approved TSG#21**	**Benno Tietz, Vodafone D2**
F	**3122**	**S1**	**Rel-6**	**N**	**IMS Phase 2**	**IMS2**	**TSG**	**28/08/2000 08:00**	**08/09/2004 17:00**	**57%**	**No**	**No**		**Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent**	
B	**3541**	**S2**	**Rel-6**	**N**	**Stage 2 of IMS Phase 2**			**02/09/2002 08:00**	**19/09/2003 17:00**	**80%**	**No**	**No**			
B	**3677**	**N4**	**Rel-6**	**N**	**Enhancements to the Cx and Sh interfaces**	**IMS2-CCR**	**WG**	**06/06/2003 08:00**	**31/08/2004 17:00**	**53%**	**No**	**No**		**29/05/2003 CN4: New WID presented for approval at CN#20.....**	
B	**3092**	**S1**	**Rel-6**	**N**	**IMS Group Management**	**IMSGM**	**TSG**	**14/03/2002 08:00**	**08/09/2004 17:00**	**55%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
B	3093	S1	Rel-6	N	Stage 1 - TS on IMS group management		TSG	14/03/2002 08:00	09/12/2002 17:00	100%	No	No			Juha Kalliokulju (Nokia)
B	3623	S2	Rel-6	N	Stage 2			26/05/2003 08:00	31/12/2003 17:00	100%	No	No			
B	3547	N1		N	Stage 3 for IMS Group management (e.g. chat)			13/12/2002 08:00	08/09/2004 17:00	20%	No	No			Keith Drage, Lucent
B	**3548**	**N1**	**Rel-6**	**N**	**IMS Conferencing**			**04/11/2002 08:00**	**08/09/2004 17:00**	**85%**	**No**	**No**			
B	3624	S2	Rel-6	Y	Stage 2			04/11/2002 08:00	31/12/2003 17:00	100%	No	No			
B	3634	N1		N	Stage 3			13/12/2002 08:00	08/09/2004 17:00	75%	No	No			Keith Drage, Lucent
B	**3089**	**S1**	**Rel-6**	**N**	**IMS Messaging**	**IMSM**	**TSG**	**14/03/2002 08:00**	**08/09/2004 17:00**	**73%**	**No**	**No**			**Juha Kalliokulju (Nokia)**
B	3090	S1	Rel-6	N	TR on support of messaging in the IMS	IMSM-TR	TSG	14/03/2002 08:00	09/12/2002 17:00	100%	No	No			Juha Kalliokulju (Nokia)
B	3560	S1	Rel-6	N	Stage 1 22.340	IMSM-TS	TSG	11/11/2002 08:00	11/12/2002 17:00	100%	No	No	22.340		Juha Kalliokulju (Nokia)

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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
B	3559	S1	Rel-6	N	CRs to 22.140 & 22.228	IMSM-CR	TSG	14/03/2002 08:00	17/03/2003 17:00	100%	No	No	22.140,22.228		Juha Kalliokulju (Nokia)
B	3471	S2	Rel-6	Y	Stage 2			04/11/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3550	N1		N	Stage 3 for IMS Messaging			13/12/2002 08:00	08/09/2004 17:00	30%	No	No			Keith Drage, Lucent
B	**2692**	**S2**	**Rel-6**	**N**	**IMS Local services**			**01/01/2001 08:00**	**04/06/2004 17:00**	**46%**	**No**	**No**	**23.228**		
B	3123	S2	Rel-6	N	Stage 2			01/01/2001 08:00	29/03/2002 17:00	100%	No	No			
B	3546	N1		N	Stage 3 for IMS Local services			13/12/2002 08:00	04/06/2004 17:00	0%	No	No			Keith Drage, Lucent
B	**3551**	**N1**	**Rel-6**	**N**	**Additional SIP Capabilities support not covered by Rel-5**			**11/11/2002 08:00**	**08/09/2004 17:00**	**65%**	**No**	**No**			
B	3627	S2	Rel-6	Y	Stage 2 for add SIP cap (e.g. forking)			11/11/2002 08:00	20/02/2004 17:00	100%	No	No			
B	3637	N1		N	Stage 3 for Additional SIP Capabilities			13/12/2002 08:00	08/09/2004 17:00	40%	No	No			Keith Drage, Lucent
B	**3552**	**N1**		**N**	**Review additional SIP Capabilities against IMS**			**13/12/2002 08:00**	**12/03/2004 17:00**	**20%**	**No**	**No**			**Keith Drage, Lucent**
B	**2048**	**N3**	**Rel-6**	**N**	**Interworking between IMS and IP networks**	**IMS-CCR-IWIP**	**TSG**	**28/08/2000 08:00**	**08/09/2004 17:00**	**49%**	**No**	**No**	**23.821, 29.061, 29.162**	**[DAB 14.02.02] - end date pushed back to March 2003**	**Nigel Holland, BT**
B	2828	N3	Rel-6	N	Interworking for 3GPP_SIP and IETF_SIP			28/08/2000 08:00	13/06/2003 17:00	100%	No	No	New TR 29.962	[DAB - 20.08.03] - CN Part of TR Complete @ CN#20	Thomas Belling, Siemens
B	2829	N3	Rel-6	N	Interworking for IPv6 to IPv4			28/08/2000 08:00	12/12/2003 17:00	20%	No	No	29.163		
B	3808	N1	Rel-6	N	Interworking for IPv6 to IPv4 (SIP / SDP aspects)			11/05/2004 08:00	08/09/2004 17:00	0%	No	No			
B	2697	N1	Rel-6	N	stage 3 of interworking with non-IMS IP networks			14/03/2001 08:00	04/06/2004 17:00	40%	No	No			
B	**2801**	**N3**	**Rel-6**	**N**	**Interworking between IMS and CS networks**	**IMS-CCR-IWCS**	**TSG**	**28/08/2000 08:00**	**18/03/2004 17:00**	**78%**	**No**	**No**	**29.163, 29.061, 24.228, and new CN4 specification**	**[DAB - 23.05.03] - Remove ITU dependancies**	**Brendan Mc Williams, Vodafone**
B	**2694**	**N4**	**Rel-6**	**N**	**Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)**	**IMS-CCR-Mn**		**07/08/2001 10:24**	**31/08/2004 17:00**	**64%**	**No**	**No**		**[CN4] 17th May 2002, CN4; Will be handled in Rel-6.....**	

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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
B	3802	N4	Rel-6	N	Mp (MRFC - MRFP) interface (CN4 Part)	IMS-CCR-Mp		13/12/2002 08:00	31/08/2004 17:00	0%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)...	
B	3561	S1	Rel-6	N	Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6”			15/11/2002 08:00	12/12/2002 17:00	100 %	No	No			Juha Kalliokulju (Nokia)
B	3598	S3	Rel-6	N	Lawful Interception in the 3GPP Rel-6 architecture	SEC1-LI	TSG	09/12/2002 08:00	18/12/2003 17:00	10%	No	No	33.106, 33.107, 33.108		Berthold Wilhelm
B	3675	S1	Rel-6	N	IMS Subscription and access scenarios			16/12/2002 08:00	13/06/2003 17:00	100 %	No	No	22.800		
F	3769	S2	Rel-6	Y	3GPP Enablers for services like Push to Talk over Cellular (PoC)			08/09/2003 08:00	16/06/2004 17:00	55%	No	No	23.9xx		Shabnam Sultana, Ericsson
F	3770	S2	Rel-6	Y	Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)			08/09/2003 08:00	25/06/2004 17:00	55%	No	No			Alexander Milinski, Siemens
F	3485	S2	Rel-6	N	Interoperability and Commonality between IMS using different "IP-connectivity Networks"	IMSCOOP	TSG	16/09/2002 08:00	12/12/2003 17:00	99%	No	No			
B	3543	S2	Rel-6	Y	Stage 2 for Interoperability (no contributions assumed that no more will be done in 3GPP hence work may need to be done in pp2)			16/09/2002 08:00	30/09/2003 17:00	100 %	No	No			Balazs Beternyi, Nokia
B	3705	S2	Rel-6	N	Stage 2 for commonality			16/09/2002 08:00	19/09/2003 17:00	100 %	No	No			Balazs Beternyi, Nokia
B	3542	N1	Rel-6	N	Stage 3			14/10/2002 08:00	12/12/2003 17:00	100 %	No	No			Keith Drage, Lucent

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	1365	S1	Rel-6	N	Support of Push Services	PUSH	TSG	03/01/2001 08:00	27/02/2004 17:00	98%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
B	2626	S1	Rel-6	N	Stage 1			03/01/2001 08:00	14/06/2002 17:00	100 %	No	No			
B	3472	S2	Rel-6	Y	TR 23.976 on Push Architecture			11/11/2002 08:00	27/02/2004 17:00	95%	No	No			Nick Alfano, RIM
F	3518	T2	Rel-6	N	Multimedia Messaging (MMS) enhancements	MMS6	TSG	15/08/2002 08:00	12/09/2005 17:00	47%	No	Yes			Josef Laumen, Siemens
B	3519	S1	Rel-6	N	Definition of service requirements	MMS6-SR		15/11/2002 08:00	19/12/2003 17:00	100 %	No	No	22.140		
B	3562	S1	Rel-6	N	Definition of service requirements charging			15/11/2002 08:00	19/12/2003 17:00	100%	No	No	22.140		Josef Laumen, Siemens
B	3718	T2	Rel-6	N	Technical realization		TSG	06/09/2002 08:00	04/10/2004 17:00	55%	No	No	23.140		Josef Laumen, Siemens
B	3521	T2	Rel-6	N	OMA dependencies		n/a	15/08/2003 08:00	12/09/2005 17:00	15%	No	No			
B	3522	S4	Rel-6	N	MMS formats and codecs	MMS6-Codec		15/08/2002 08:00	16/09/2004 17:00	60%	No	No	26.140		Roberto Castagno (Nokia)
B	3773	T2	Rel-6	N	Check - Handling of private addressing schemes in MMS		TSG	10/12/2003 08:00	04/06/2004 17:00	20%	No	No	23.140		Matthias Röbke, T-Mobile
B	3774	T2	Rel-6	N	FS Multiple MMS Relay/Server Architecture		TSG	10/12/2003 08:00	04/06/2004 17:00	5%	No	No	new TR		Juan Gorospe, Telefónica Móviles
F	3117	T2	Rel-6	N	Rel-6 MExE enhancements	MEXE6	TSG	08/03/2002 08:00	06/06/2003 17:00	100 %	No	Yes			
B	3118	T2	Rel-6	N	MExE Rel-6 Improvements and Investigations	MEXE6-ENHANC	TSG	08/03/2002 08:00	12/03/2003 17:00	100 %	No	Yes	22.057, 23.057		Lars Brenk (TTPCom)
B	3119	T2	Rel-6	N	MExE Run-Time Independent Framework Feasibility Study	MEXE6-RTIF	TSG	08/03/2002 08:00	06/06/2003 17:00	100 %	No	Yes	22.857		Aaron Cohen (Intel)

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2062	S5	Rel-6	N	Subscription Management	SuM	TSG	20/09/2002 08:00	18/06/2004 17:00	75%	No	Yes	32.140/1, 32.171/2		Istvan ABA (T-Mobile Austria)
F	2499	S1	Rel-6	N	Support of Presence Capability	PRESNC	TSG	19/03/2001 08:00	16/09/2004 17:00	72%	No	No		A Sultan merged "Presence Service Enhancements" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmts had same target completion date	Mark Cataldo, Motorola
B	2501	S1	Rel-6	N	Stage 1			19/03/2001 08:00	18/07/2003 17:00	100 %	No	No			
B	2502	S2	Rel-6	N	Stage 2		TSG	12/09/2001 08:00	20/09/2002 17:00	100 %	No	No			
B	3703	N1	Rel-6	N	Stage 3			01/04/2002 08:00	08/09/2004 17:00	80%	No	No			Keith Drage, Lucent
B	3687	S4	Rel-6	N	Media Codecs and Formats for IMS Messaging and Presence	PRESNC-COFIMP	TSG	12/06/2003 08:00	16/09/2004 17:00	10%	No	No	TS 26.141	Also for 31022 IMS Messaging	Harri Honko (Nokia)
B	2504	S3	Rel-6	N	Security issues			26/08/2002 08:00	12/12/2002 17:00	20%	No	No		LSs handled in SA3. WID approved SA#17 Contribution at S3#25 & following e-mail discussion.	
B	2505	T3	Rel-6	N	USIM issues			04/03/2002 08:00	20/06/2002 17:00	0%	No	No			
F	3159	GP	Rel-6	N	Enhanced A/Gb feasibility study	AGbEnFS	TSG	30/08/2002 08:00	08/11/2002 17:00	75%	No	No		Closed	J-L Carrizo, Vodafone
B	3160	G2	Rel-6	N	Feasibility study on A/Gb enhancements	AGbEnFS-FS	TSG	30/08/2002 08:00	08/11/2002 17:00	75%	No	No			
B	3486	GP	Rel-6	N	Requirements for the support of conversational services			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			

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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
B	3553	GP	Rel-6	N	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
B	3554	GP	Rel-6	N	Outline of impact and feasibility of these building blocks and their different solutions			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
B	3487	G2	Rel-6	N	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack			30/08/2002 08:00	08/11/2002 17:00	0%	No	No			
B	3488	G2	Rel-6	N	Outline of impact and feasibility of these building blocks and their different solutions			30/08/2002 08:00	08/11/2002 17:00	0%	No	No			
B	3489	GP	Rel-6	N	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
B	3490	GP	Rel-6	N	Standardisation effort			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
B	3491	GP	Rel-6	N	Dependency to other features			30/08/2002 08:00	08/11/2002 17:00	100%	No	No			
F	**3166**	**GP**	**Rel-6**	**N**	**Flexible Layer One for GERAN**	**FLOGER**	**TSG**	**03/01/2000 08:00**	**25/06/2004 17:00**	**86%**	**No**	**No**		**Nokia, Ericsson, Siemens, Telia**	**Benoist Sébire**
B	**3167**	**GP**	**Rel-6**	**N**	**Realisation of a Flexible Layer One**	**FLOGER-Real**		**03/01/2000 08:00**	**23/04/2004 17:00**	**91%**	**No**	**No**		**Started**	**Benoist Sébire**
B	3168	GP	Rel-6	N	Technical Report			19/04/2002 08:00	06/02/2004 17:00	100%	No	No			
B	3169	G1	Rel-6	N	Architecture in 45.001 and 43.051			19/04/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3170	G1	Rel-6	N	Multiplexing in 45.002			19/04/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3171	G1	Rel-6	N	Channel Coding in 45.003			19/04/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3172	G1	Rel-6	N	Performance Requirements in 45.005			03/01/2000 08:00	23/04/2004 17:00	90%	No	No			
B	3173	G1	Rel-6	N	Radio subsystem link control in 45.008			19/04/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3174	G2	Rel-6	N	Requirements in 44.004			19/04/2002 08:00	23/04/2004 17:00	90%	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
B	**3175**	**G2**	**Rel-6**	**N**	**Signalling and protocol support for a Flexible Layer One**	**FLOGER -SigPro**		**19/04/2002 08:00**	**23/04/2004 17:00**	**80%**	**No**	**No**		**Started**	**Benoist Sébire**
B	3176	G2	Rel-6	N	Modifications to RLC/MAC in 44.060 and 44.160			19/04/2002 08:00	23/04/2004 17:00	80%	No	No			
B	3177	G2	Rel-6	N	Modifications to RRC in 44.118 and 44.018			19/04/2002 08:00	23/04/2004 17:00	80%	No	No			
B	**3178**	**S3; G2**	**Rel-6**	**N**	**Security for a Flexible Layer One**	**FLOGER -SecFLO**		**19/04/2002 08:00**	**29/08/2003 17:00**	**100 %**	**No**	**No**		**Started**	**Benoist Sébire**
B	3179	S3; G2	Rel-6	N	Ciphering in 44.160,44.118, 44.060 and 44.018			19/04/2002 08:00	29/08/2003 17:00	100%	No	No			
B	**3180**	**G4;G5**	**Rel-6**	**N**	**GERAN MS Conformance test for the Flexible Layer One**	**FLOGER -Msconf**		**06/02/2004 08:00**	**25/06/2004 17:00**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**
B	3181	G4;G5	Rel-6	N	MS Test in 51.01050085			06/02/2004 08:00	25/06/2004 17:00	0%	No	No			
B	**3182**	**G3**	**Rel-6**	**N**	**GERAN BTS Conformance test for the Flexible Layer One**	**FLOGER -BTSconf**		**06/02/2004 08:00**	**25/06/2004 17:00**	**0%**	**No**	**No**		**Not started**	**Benoist Sébire**
B	3492	G3	Rel-6	N	BTS Test in 51.021			06/02/2004 08:00	25/06/2004 17:00	0%	No	No			
F	**2797**	**GP**	**Rel-6**	**N**	**Uplink TDOA feasibility study**	**TDOAF**		**30/11/2001 08:00**	**28/06/2002 17:00**	**100 %**	**No**	**No**	**45.811**		**Bob Gross, TruePosition, Inc.**
F	**2544**	**S1**	**Rel-6**	**N**	**Multimedia Broadcast and Multicast Service**	**MBMS**	**TSG**	**11/05/2001 08:00**	**16/12/2004 17:00**	**35%**	**No**	**No**		**Title renamed at SA#13**	
B	**2545**	**S1**	**Rel-6**	**N**	**Stage 1**			**11/05/2001 08:00**	**01/04/2002 17:00**	**100 %**	**No**	**No**	**22.146, 22.101**	**This may or may not be a separate stage 1. In the meantime, CRs are proposed for 22.101**	
B	**2680**	**S2**	**Rel-6**	**N**	**Stage 2**		**TSG**	**24/09/2001 08:00**	**17/03/2004 17:00**	**99%**	**No**	**No**			
B	3473	S2	Rel-6	N	TR on Architectural Study			24/09/2001 08:00	23/08/2002 17:00	100%	No	No			
B	3474	S2	Rel-6	Y	Stage 2 Specification Work. (User Service aspects may impact) (progress will be check in Friday of S2 #38 !!)			19/08/2002 08:00	17/03/2004 17:00	100%	No	No			
B	**2481**	**R2**	**Rel-6**	**N**	**Introduction of MBMS in RAN**	**MBMS-RAN**	**TSG**	**01/01/2002 08:00**	**14/06/2004 17:00**	**60%**	**No**	**No**			**Juho Pirskanen , Nokia**

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	**3212**	**N1**	**Rel-6**	**N**	**Support of the MBMS in CN protocols**		**TSG**	**18/06/2002 08:00**	**08/09/2004 17:00**	**60%**	**No**	**No**			
B	**3766**	**N3**	**Rel-6**	**N**	**Gmb interface for MBMS (CN3 part)**			**29/08/2003 08:00**	**18/06/2004 17:00**	**10%**	**No**	**No**			
B	**3530**	**S3**	**Rel-6**	**N**	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	**MBMS**	**TSG**	**01/07/2002 08:00**	**25/09/2003 17:00**	**20%**	**No**	**No**		**WID approved SA#17**	**Escott, Adrian, 3**
B	**3493**	**GP**	**Rel-6**	**N**	**Support of MBMS in GERAN**	**MBMS-GERAN**	**TSG**	**30/08/2001 08:00**	**25/06/2004 17:00**	**21%**	**No**	**No**			
B	3494	GP	Rel-6	N	Impact on the logical and physical channels			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3497	G2	Rel-6	N	Re-synchronisation at cell change			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
B	3780	GP	Rel-6	N	Simultaneous support of MBMS services			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3781	GP	Rel-6	N	Simultaneous support of MBMS and non-MBMS services			30/08/2001 08:00	25/06/2004 17:00	25%	No	No			
B	3782	GP	Rel-6	N	Resynchronisation at cell change			30/08/2001 08:00	25/06/2004 17:00	25%	No	No			
B	3498	GP	Rel-6	N	Decision making process between point-to-point or pont-to-multipoint configurations			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3499	GP	Rel-6	N	MBMS channel allocations procedures to multiple MSs			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3500	GP	Rel-6	N	Changes to the Gb interface			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3501	GP	Rel-6	N	GERAN specific changes to the Iu-ps interface			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3502	GP	Rel-6	N	Interaction between MBMS and Iu-flex			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3503	GP	Rel-6	N	Security aspects			30/08/2002 08:00	25/06/2004 17:00	25%	No	No			
B	3783	G3	Rel-6	N	MS conformance tests- G3			30/08/2002 08:00	25/06/2004 17:00	0%	No	No			
B	3504	G5	Rel-6	N	MS conformance tests - G5			30/08/2002 08:00	27/06/2003 17:00	0%	No	No			
B	**3776**	**S1**	**Rel-6**	**N**	**MBMS User Services**			**11/05/2001 08:00**	**16/12/2004 17:00**	**45%**	**No**	**No**	**22.246**		
B	3775	S1	Rel-6	N	MBMS User Services Stage 1			11/05/2001 08:00	01/04/2002 17:00	80%	No	No	22.246		

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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
B	3688	S4	Rel-6	N	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	MBMS-TSMBMS	TSG	12/06/2003 08:00	16/12/2004 17:00	25%	No	No	26.346		Igor Curcio (Nokia)
F	**2732**	**S1**	**Rel-6**	**N**	**Speech Recognition and Speech Enabled Services**	**SRSES**	**TSG**	**08/10/2001 08:00**	**10/06/2004 17:00**	**94%**	**No**	**No**			
B	**2733**	**S1**	**Rel-6**	**Y**	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	**DSR**	**TSG**	**08/10/2001 08:00**	**15/03/2002 17:00**	**100 %**	**No**	**No**	**22.941, 23.207, 22.243**		**D Williams, QUALCOMM, Inc.**
B	**2779**	**S2**	**Rel-6**	**Y**	**TR on Architectural impacts**			**12/05/2003 08:00**	**02/03/2004 17:00**	**100 %**	**No**	**No**			
B	**3574**	**S4**	**Rel-6**	**N**	**Codec Work to Support Speech Recognition Framework for Automated Voice Services**	**SRSES-Codec**	**WG**	**15/10/2002 08:00**	**10/06/2004 17:00**	**90%**	**No**	**No**	**26.235, 26.236, 26.243**		**David Pearce, Motorola**
F	**2734**	**S1**	**Rel-6**	**N**	**Generic User Profile**	**GUP**	**TSG**	**08/10/2001 08:00**	**02/11/2005 17:00**	**70%**	**No**	**No**			
B	**2735**	**S1**	**Rel-6**	**N**	**Stage 1 - Requirements**			**08/10/2001 08:00**	**30/05/2003 17:00**	**100 %**	**No**	**No**	**22.240, 22.228**		**Paul Amery (Orange)**
B	**2737**	**S2**	**Rel-6**	**N**	**Stage 2 - Architecture**			**28/01/2002 08:00**	**06/06/2003 17:00**	**100 %**	**No**	**No**	**23.240**		**Nacho Uzquiano (Telefonica)**
B	**3716**	**T2**	**Rel-6**	**N**	**Stage 2 - Data Description Method**		**TSG**	**05/12/2002 08:00**	**04/05/2005 17:00**	**90%**	**No**	**No**	**23.241**		**Kurt Bischinger (T-Mobile AUSTRIA)**
B	**3717**	**T2**	**Rel-6**	**N**	**Stage 3 - Common objects**		**TSG**	**05/12/2002 08:00**	**02/11/2005 17:00**	**60%**	**No**	**No**	**24.241**		
B	**3088**	**N4**	**Rel-6**	**N**	**Stage 3 - Network**			**19/05/2003 08:00**	**31/08/2004 17:00**	**36%**	**No**	**No**	**29.240**	**17 May no activity in CN4.....**	
B	**3531**	**S3**	**Rel-6**	**N**	**Security Aspects**		**WG**	**16/07/2002 08:00**	**18/09/2003 17:00**	**15%**	**No**	**No**	**33.102, 33.203, 33.210**	**WID approved SA#17. SA WG3 progress slow, depends on progress in other groups.**	**Owen, Bradley**

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2761	S1	Rel-6	N	Digital Rights Management	DRM	TSG	08/10/2001 08:00	21/03/2003 17:00	55%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
B	2762	S1	Rel-6	N	Requirements			08/10/2001 08:00	13/06/2002 17:00	100 %	No	No			Nicholas Wood, Openwave Systems
B	3591	S1	Rel-6	N	Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)			19/08/2002 08:00	21/03/2003 17:00	20%	No	No			
B	2764	S3	Rel-6	N	Monitoring of Security (work done by OMA)			17/06/2002 08:00	03/03/2003 17:00	40%	No	No		SA3 acknowledge role in WI at SA3#20. Active contribution S3#24, S3#25. S3 WID approved SA#17	
F	2767	S1	Rel-6	N	WLAN-UMTS Interworking	WLAN	TSG	03/01/2000 08:00	31/08/2004 17:00	88%	No	No			Fredric Paint, Telenor
B	2820	S1	Rel-6	N	Technical Report	WLAN-TR		03/01/2000 08:00	13/06/2003 17:00	99%	No	No	22.934, 22.101, 22.105		Fredric Paint, Telenor
B	3563	S1	Rel-6	N	CRs to implement WLAN	WLAN-CR		03/01/2000 08:00	13/06/2003 17:00	99%	No	No	22.934, 22.101, 22.105, 22.115		Fredric Paint, Telenor
B	3130	S2	Rel-6	Y	Architecture Definition (scenarii 2 & 3 done)		TSG	25/03/2002 08:00	27/02/2004 17:00	95%	No	No			
B	3475	S3	Rel-6	N	Security		TSG	30/09/2002 08:00	21/03/2003 17:00	30%	No	No	21.133, 33.106, 33.107, 33.108, 33.200, 33.203, 33.210	Active contribution S3#24, S3#25. WID approved SA#17	Lopez-Soria, Luis, Ericsson
B	3662	N4	Rel-6	N	Stage 3 - CN4 aspects	WLAN-IW	TSG	23/05/2003 08:00	31/08/2004 17:00	54%	No	No	29.234, 29.061	WID approved at CN#19.....	Rodriguez ,Raquel, Nokia
B	3678	N1	Rel-6	N	WLAN interworking-stage 3		WG	23/05/2003 08:00	04/06/2004 17:00	70%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	2822	S1	Rel-6	N	Priority Service	PRIOR	TSG	30/05/2002 08:00	26/09/2003 17:00	67%	No	No			
B	2823	S1	Rel-6	N	Feasibility Study	PRIOR-FS		14/06/2002 08:00	14/06/2002 17:00	100 %	No	No	22.950		Biplab K. Pramanik, Telcordia Technologies
B	2824	S1	Rel-6	N	Stage 1 - Requirements	PRIOR-SR		30/05/2002 08:00	17/09/2003 17:00	85%	No	No			James J. Garrahan, Telcordia Technologies
B	3674	S1	Rel-6	N	Priority Multimedia Service			28/03/2003 08:00	26/09/2003 17:00	0%	No	No			
B	3680	S1	Rel-6	N	Priority service implementation guide			28/03/2003 08:00	26/09/2003 17:00	85%	No	No	22.952		Biplab K. Pramanik, Telcordia Technologies
F	2825	S1	Rel-6	N	Network Sharing	NTShar	TSG	20/01/2003 08:00	08/09/2004 17:00	56%	No	No			
B	2826	S1	Rel-6	N	Technical Report	NTShar-TR		20/01/2003 08:00	19/12/2003 17:00	100 %	No	No	22.951		
B	3638	S1	Rel-6	N	Stage 1 - CRs to implement Network Sharing	NTShar-CR		20/01/2003 08:00	19/12/2003 17:00	100 %	No	No	22.011, 22.101, 22.115, 22.129		
B	3664	S2	Rel-6	Y	Stage 2			27/02/2003 08:00	17/06/2004 17:00	75%	No	No			
B	3679	N1	Rel-6	N	Network sharing - stage 3		WG	23/05/2003 08:00	08/09/2004 17:00	4%	No	No			
B	3763	R2	Rel-6	N	Enhancement of the support of network sharing in the UTRAN	NTShar-UTRANEnh	TSG	19/09/2003 00:00	14/06/2004 17:00	5%	No	No	TS25.401, TS25.413, TS25.331, TS25.304		Anders Dahlén, TeliaSonera
F	2811	S2	Rel-6	Y	QoS Improvements	QoS1	TSG	15/07/2002 08:00	23/04/2004 17:00	77%	No	No			

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	2812	S2	Rel-6	Y	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	15/07/2002 08:00	23/04/2004 17:00	90%	No	No			
B	3701	S2	Rel-6	Y	Definition of the Gq interface			01/07/2003 08:00	23/04/2004 17:00	83%	No	No			Janne Rinne (Nokia)
B	3767	N3	Rel-6	N	Gq interface specification for Dynamic Policy control enhancements – Stage 3		TSG	29/08/2003 08:00	19/03/2004 17:00	25%	No	No	24,228, 29.207, 29.208		Anna Sillanpää, Nokia
F	2814	S3	Rel-6	N	Support for subscriber certificates	SEC1-SC	TSG	25/02/2002 08:00	08/09/2004 17:00	35%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
B	3476	S3	Rel-6	N	Stage 1			25/02/2002 08:00	12/09/2002 17:00	40%	No	No		Contribution received S3#24, S3#25	
B	3477	S2	Rel-6	N	Architecture review			14/10/2002 08:00	14/11/2002 17:00	100 %	No	No			
B	3765	N4	Rel-6	N	Stage 3	SEC1-SC		19/09/2003 08:00	31/08/2004 17:00	47%	No	No		WID approved at CN#21.....	Lauri Laitinen, Nokia
B	3809	N1	Rel-6	N	Stage 3 Ua & Ub interfaces			03/11/2003 08:00	08/09/2004 17:00	10%	No	No			
F	3101	S1	Rel-6	N	Rel-6 OSA enhancements	OSA3	TSG	31/10/2002 08:00	17/09/2004 17:00	60%	No	No	22.127, 29.198, 29.998	NP-040068 Rev WID replaces NP-030558.	Chelo ABARCA (Alcatel)
B	3673	S1	Rel-6	N	Scope of the Open Service Access Release 6		TSG	28/03/2003 08:00	27/06/2003 17:00	100 %	No	No			
B	3568	N5	Rel-6	N	Multi Media Messaging function		TSG	31/10/2002 08:00	18/06/2004 17:00	50%	No	No	29.198, 29.998		
B	3570	N5	Rel-6	N	Policy management extensions		TSG	31/10/2002 08:00	12/12/2003 17:00	100 %	No	No	29.198, 29.998		
B	3571	N5	Rel-6	N	TS on Presence and Availability Management (from the PRESNC WI)		TSG	31/10/2002 08:00	26/03/2004 17:00	100 %	No	No	29.198-14	N5#26: Split WI into TS & TR.	
B	3814	N5	Rel-6	N	TR on Presence and Availability Management (from the PRESNC WI)		TSG	31/10/2002 08:00	17/09/2004 17:00	0%	No	No	29.998-14	N5#26:TR Completion 09/04; consistent with CN1 delayed Rel-6 completion.	

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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
B	**3644**	**N5**	**Rel-6**	**N**	**OSA interfaces at different levels of abstractions (Parlay X, Web services)**		**TSG**	**14/07/2003 08:00**	**18/06/2004 17:00**	**90%**	**No**	**No**	**29.199**	**N5#26: Will be submitted to CN#24 for Approval only if Rel-6 "freezing" is 06/2004.**	
B	**3645**	**N5**	**Rel-6**	**N**	**Introduction of migration support mechanism**		**TSG**	**31/10/2002 08:00**	**10/12/2003 17:00**	**100 %**	**No**	**No**	**29.198, 29.998**		
B	**3646**	**N5**	**Rel-6**	**N**	**User Profile**		**TSG**	**23/01/2003 08:00**	**18/06/2004 17:00**	**0%**	**No**	**No**	**29.198, 29.998**	**N5#24&25&26: Still Pending input from SA1/2.**	
B	**3648**	**N5**	**Rel-6**	**N**	**Framework Function for Federation**		**TSG**	**03/02/2003 08:00**	**12/12/2003 17:00**	**100 %**	**No**	**No**	**29.198, 29.998**		
F	**3240**	**GP**	**Rel-6**	**N**	**Addition of frequency bands to GSM**	**TAPS**	**TSG**	**28/06/2002 08:00**	**12/11/2004 17:00**	**4%**	**No**	**No**			**Torben Themsen**
B	**3241**	**G1**	**Rel-6**	**N**	**Addition of frequency bands to GSM – Changes to core specs**	**TAPS-Specs**	**TSG**	**15/11/2002 08:00**	**20/12/2002 17:00**	**100 %**	**No**	**No**		**Ready**	**Torben Themsen**
B	3242	G1	Rel-6	N	Changes to core specs			15/11/2002 08:00	20/12/2002 17:00	100%	No	No			
B	**3243**	**G4**	**Rel-6**	**N**	**Addition of frequency bands to GSM – Changes for conformance tests**	**TAPS-Conf**		**28/06/2002 08:00**	**12/11/2004 17:00**	**0%**	**No**	**No**		**Not started**	**Torben Themsen**
B	3244	G4	Rel-6	N	51.010-1 Add testing			28/06/2002 08:00	12/11/2004 17:00	0%	No	No			
F	**3505**	**GP**	**Rel-6**	**N**	**Seamless support of streaming services in A/Gb mode**	**SSStrea**	**TSG**	**03/01/2000 08:00**	**30/01/2004 17:00**	**94%**	**No**	**No**			**José Luis Carrizo Martínez, Vodafone**
B	**3506**	**G1**	**Rel-6**	**N**	**Identification of requirements for streaming**			**27/06/2003 08:00**	**29/08/2003 17:00**	**100 %**	**No**	**No**		**Started**	
B	3604	G1	Rel-6	N	Requirements			27/06/2003 08:00	29/08/2003 17:00	100%	No	No			
B	**3507**	**G1**	**Rel-6**	**N**	**Performance study of cell change mechanisms**			**03/01/2000 08:00**	**29/08/2003 17:00**	**100 %**	**No**	**No**		**Started**	
B	3605	G1	Rel-6	N	Performance of NACC			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			
B	3606	G1	Rel-6	N	Performance of cell change in DTM for the PS domain			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			
B	3607	G1	Rel-6	N	Handover			03/01/2000 08:00	29/08/2003 17:00	100%	No	No			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	**3508**	**G2**	**Rel-6**	**N**	**Reduction of service interruption times and packet loss during mobility procedures**			**27/06/2003 08:00**	**21/11/2003 17:00**	**99%**	**No**	**No**		**Completed at GERAN#17**	
B	3608	G2	Rel-6	N	Optimisations of existing mechanisms/procedures			27/06/2003 08:00	21/11/2003 17:00	100%	No	No			
B	3609	G2	Rel-6	N	Inter-system NACC			27/06/2003 08:00	21/11/2003 17:00	100%	No	No			
B	3610	G2	Rel-6	N	PS Handover (within GERAN and between GERAN and UTRAN)			27/06/2003 08:00	21/11/2003 17:00	100%	No	No			
B	3611	G2	Rel-6	N	Dependency to other features			27/06/2003 08:00	21/11/2003 17:00	100%	No	No			
B	**3510**	**G3**	**Rel-6**	**N**	**MS conformance testing**			**19/12/2003 08:00**	**30/01/2004 17:00**	**100 %**	**No**	**No**		**Closed, no work needed**	
B	3612	G4;G5	Rel-6	N	MS conformance tests			19/12/2003 08:00	30/01/2004 17:00	100%	No	No		Closed, no work needed	
B	**3599**	**S3**	**Rel-6**	**N**	**GERAN A/Gb mode security enhancements**			**26/09/2002 08:00**	**25/09/2003 17:00**	**10%**	**No**	**No**	**33.102**	**Possible changes to 33.102 or new specification needed.**	**Peter Howard, Vodafone**
F	**3512**	**S4**	**Rel-6**	**N**	**Performance characterisation of default codecs for PS conversational multimedia application**	**CODCAR**	**TSG**	**13/09/2002 08:00**	**10/06/2004 17:00**	**90%**	**No**	**No**	**TR 26.935**		**Pasi Ojala (Nokia)**
F	**3803**	**S1**	**Rel-6**	**N**	**Study of Feature Interactions Requirements (This should be deleted)**	**FINTER**	**TSG**	**08/11/2002 08:00**	**03/03/2003 17:00**	**20%**	**No**	**No**	**TR 21.xyz**		
F	**3533**	**S1**	**Rel-6**	**N**	**Study on Privacy Capability**	**PrivCap**	**TSG**	**08/11/2002 08:00**	**03/03/2003 17:00**	**85%**	**No**	**No**	**TR 21.xyz**		**Liz Daniel, Lucent**
F	**3535**	**S5**	**Rel-6**	**N**	**OAM&P**	**OAM**	**TSG**	**12/09/2002 08:00**	**08/12/2004 17:00**	**64%**	**No**	**No**	**32-series**		**Michael TRUSS (Motorola)**
B	**3536**	**S5**	**Rel-6**	**N**	**Principles, high level Requirements and Architecture**	**OAM-AR**	**TSG**	**12/09/2002 08:00**	**18/06/2004 17:00**	**77%**	**No**	**Yes**	**32.101, 32.102**	**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Michael TRUSS (Motorola)**
B	**3537**	**S5**	**Rel-6**	**N**	**Performance Management**	**OAM-PM**	**TSG**	**12/09/2002 08:00**	**18/06/2004 17:00**	**78%**	**No**	**No**	**32.41x, 52.402**	**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Christian TOCHE (Nortel Networks)**

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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
B	**3539**	**S5**	**Rel-6**	**N**	**Network Infrastructure Management**	**OAM-NIM**	**TSG**	**12/09/2002 08:00**	**18/06/2004 17:00**	**66%**	**No**	**No**	**32.15x, 32.3/6/7xy**	**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Thomas TOVINGER (Ericsson)**
B	**3540**	**S5**	**Rel-6**	**N**	**Trace Management**	**OAM-Trace**	**TSG**	**20/09/2002 08:00**	**08/12/2004 17:00**	**48%**	**No**	**No**	**32.42x, 52.008**		**Kari RÖNKÄ (Nokia)**
B	3764	S5	Rel-6	N	Subscriber and UE trace management	OAM-Trace	TSG	20/09/2002 08:00	18/06/2004 17:00	75%	No	No	32.42x, 52.008		Kari RÖNKÄ (Nokia)
B	3685	R3	Rel-6	N	Subscriber and equipment trace in UTRAN	OAM-Trace-RAN	TSG	06/06/2003 08:00	12/03/2004 17:00	35%	No	No			Yann Sehedi, Nortel
B	3810	N1	Rel-6	N	SIP enhancements for trace			16/02/2004 08:00	08/12/2004 17:00	2%	No	No			
F	**3583**	**S5**	**Rel-6**	**N**	**Charging Management**	**CH**	**TSG**	**21/11/2002 08:00**	**18/06/2004 17:00**	**75%**	**No**	**No**	**32.2xy**	**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Karl-Heinz NENNER (T-Mobile)**
B	**3584**	**S5**	**Rel-6**	**N**	**Charging Management for Bearer level**	**CH-BC**	**TSG**	**21/03/2003 08:00**	**18/06/2004 17:00**	**75%**	**No**	**No**		**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Benni ALEXANDER (Nokia)**
B	**3585**	**S5**	**Rel-6**	**N**	**Charging Management for the IMS**	**CH-IC**	**TSG**	**21/03/2003 08:00**	**18/06/2004 17:00**	**75%**	**No**	**No**		**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Patrik TEPPO (Ericsson)**
B	**3586**	**S5**	**Rel-6**	**N**	**Charging Management for the Service domain**	**CH-SC**	**TSG**	**21/03/2003 08:00**	**18/06/2004 17:00**	**75%**	**No**	**No**		**SA5#37: TSG Approval target 03/2004 => 06/2004.**	**Gerald GÖRMER (Siemens)**
B	**3594**	**S2**	**Rel-6**	**N**	**Overall architectural aspects of IP flow based bearer level charging**			**21/11/2002 08:00**	**02/03/2004 17:00**	**74%**	**No**	**No**			
F	**1800**	**T3**	**Rel-6**	**Y**	**Rel-6 UICC/USIM enhancements and interworking**	**USAT1**	**TSG**	**25/09/2000 08:00**	**19/02/2004 17:00**	**99%**	**No**	**No**			
B	**1802**	**T3**	**Rel-6**	**Y**	**UICC API**	**USAT1-API**		**20/03/2002 08:00**	**19/02/2004 17:00**	**98%**	**No**	**No**		**8/3/2001: test spec is based on R99 core spec, so deleted from Workplan**	
B	3719	T3	Rel-6	N	Java API Test specification			20/03/2002 08:00	10/06/2002 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
B	3720	T3	Rel-6	N	Java API Test specification (TS 43.019 Rel-5)			30/05/2002 08:00	09/06/2003 17:00	100%	No	No			Mario Pérez (Microelectrónica Española)
B	3721	T3	Rel-6	N	2G/3G Java Card™ API based applet interworking	USAT1-API	TSG	17/03/2003 08:00	19/02/2004 17:00	95%	No	No			Stéphane Andrau-Oberthur Card Systems
B	**3587**	**T3**	**Rel-6**	**N**	**Rel-6 USIM toolkit enhancements**			**25/09/2000 08:00**	**27/09/2002 17:00**	**99%**	**No**	**No**			

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3722	T3	Rel-6	N	C SIM API	USAT1-API-MULTOS	TSG	25/09/2000 08:00	27/09/2002 17:00	100%	Yes	Yes			
B	3723	T3	Rel-6	N	Specification		TSG	25/09/2000 08:00	27/09/2002 17:00	100%	Yes	Yes			Neil Livingston – Aspects Software
B	3724	T3	Rel-6	N	Test specification		TSG	01/01/2001 08:00	28/09/2001 17:00	100%	Yes	Yes			Neil Livingston – Aspects Software
F	**3579**	**S4**	**Rel-6**	**N**	**Packet Switched Streaming Services Rel-6**	**PSSrel6**	**TSG**	**18/11/2002 08:00**	**16/09/2004 17:00**	**79%**	**No**	**No**			**Olle Franceschi (Ericsson)**
B	**3639**	**S1**	**Rel-6**	**N**	**Stage 1**		**TSG**	**18/11/2002 08:00**	**17/03/2003 17:00**	**100 %**	**No**	**No**	**22.233**	**2nd resp SA4**	
B	**3663**	**S4**	**Rel-6**	**N**	**Stage 3**	**PSSrel6-Stage3**	**WG**	**13/12/2002 08:00**	**16/09/2004 17:00**	**75%**	**No**	**No**	**26.233, 26.234, 26.244, 26.245, 26.246**		**Olle Franceschi (Ericsson)**
F	**3580**	**S4**	**Rel-6**	**N**	**AMR-WB extension for high audio quality**	**AMRWB+**	**TSG**	**13/12/2002 08:00**	**10/06/2004 17:00**	**75%**	**No**	**No**			**Janne Vainio (Nokia)**
F	**3811**	**S4**	**Rel-6**	**N**	**Codec Enhancements for Packet Switched Conversational Multimedia Applications**	**CEPSCM**	**WG**	**16/03/2004 08:00**	**16/09/2004 17:00**	**0%**	**No**	**No**	**26.235, 26.236**		**Miska Hannuksela (Nokia)**
F	**3812**	**S4**	**Rel-6**	**N**	**3G-324M Improvements**	**3G-324MI**	**WG**	**16/03/2004 08:00**	**16/09/2004 17:00**	**0%**	**No**	**No**	**26.111, 26.911**		**Bo Burman, Ericsson**
F	**3613**	**GP;G1**	**Rel-6**	**N**	**Single Antenna Receiver Interference Cancellation (SAIC)**	**SAIC**	**TSG**	**15/11/2002 08:00**	**23/04/2004 17:00**	**80%**	**No**	**No**			**Marc Grant, Cingular Wireless**
F	**3614**	**GP**	**Rel-6**	**N**	**Support of Conversational Services in A/Gb mode via the PS domain**	**SCSAGB**	**TSG**	**07/02/2003 08:00**	**27/08/2004 17:00**	**24%**	**No**	**No**			**David Bladsjö, Ericsson**
B	**3615**	**GP**	**Rel-6**	**N**	**Creation of a TR**	**SCSAGB-TR**	**TSG**	**07/02/2003 08:00**	**21/11/2003 17:00**	**100 %**	**No**	**No**			**David Bladsjö, Ericsson**
B	**3616**	**GP**	**Rel-6**	**N**	**Stage 2**	**SCSAGB-Stage2**	**TSG**	**21/11/2003 08:00**	**23/04/2004 17:00**	**10%**	**No**	**No**		**Started**	**David Bladsjö, Ericsson**

Extracted from 3GPP Work Plan Work Plan for Rel-6 onwards - Version 2004 March 11th															
F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3617	GP	Rel-6	N	Radio Channel Support	SCSAGB-RCS	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
B	3618	GP;G2	Rel-6	N	Definition of radio resource management functionality	SCSAGB-RRM	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
B	3619	GP	Rel-6	N	PS Handover	SCSAGB-PSH	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
B	3620	GP;G2	Rel-6	N	Modifications to FLO	SCSAGB-FLO	TSG	06/02/2004 08:00	27/08/2004 17:00	0%	No	No		Not started	David Bladsjö, Ericsson
F	3642	S1	Rel-6	N	Enhancement of dialled service for CAMEL	EDCAMEL	TSG	28/03/2003 08:00	31/12/2003 17:00	100 %	No	No			Craig Bishop, Samsung Electronics Research Institute
B	3725	N2	Rel-6	N	Stages 2 and 3			28/03/2003 08:00	31/12/2003 17:00	100 %	No	No			
F	3702	S2	Rel-6	Y	Bandwidth and resource savings in CS networks	CSSAVE		01/06/2003 08:00	16/06/2004 17:00	70%	No	No	TR 23.977		
F	3704	S3	Rel-6	N	FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces		TSG	03/07/2003 08:00	26/12/2003 17:00	5%	No	No		Approved TSG#20	Raziq Yaqub, Toshiba America Research Inc.
F	3706	GP;G2	Rel-6	N	Multiple TBF in A/Gb mode	MULTBF	TSG	05/04/2002 08:00	25/06/2004 17:00	65%	No	No			Gunnar Mildh, Ericsson
B	3707	GP;G2	Rel-6	N	Multiple TBF in A/Gb mode	MULTBF-Agbmode	TSG	05/04/2002 08:00	29/08/2003 17:00	100 %	No	No			Gunnar Mildh, Ericsson
B	3708	GP;G2	Rel-6	N	Multiple TBF Concept paper			05/04/2002 08:00	29/08/2003 17:00	100%	No	No			
B	3709	GP;G2	Rel-6	N	Multiple TBF Stage 2 (43.064) CRs			05/04/2002 08:00	29/08/2003 17:00	100%	No	No			
B	3710	GP;G2	Rel-6	N	Multiple TBF Stage 3 (44.060) CRs			05/04/2002 08:00	29/08/2003 17:00	100%	No	No		Not started	
B	3711	G3	Rel-6	N	Multiple TBF in A/Gb mode – MS testing	MULTBF-Testing	TSG	05/04/2002 08:00	25/06/2004 17:00	0%	No	No		Not started	Gunnar Mildh, Ericsson

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
F	**3712**	**G3**	**Rel-6**	**N**	**Alignment between the test-regimes for GERAN capable MS**	**ALTERE**	**TSG**	**29/08/2003 08:00**	**23/04/2004 17:00**	**80%**	**No**	**No**			**Toubassi, Ericsson**
B	**3713**	**G3**	**Rel-6**	**N**	**Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.**	**ALTERE-TC**	**TSG**	**29/08/2003 08:00**	**23/04/2004 17:00**	**80%**	**No**	**No**		**Started**	
F	**3784**	**GP**	**Rel-6**	**N**	**Addition of U-TDOA in the CS domain**	**UTDOA CS**	**TSG**	**21/11/2003 08:00**	**23/04/2004 17:00**	**90%**	**No**	**No**		**Started**	**Bob Gross, Rhys Robinson, TruePosition, Inc.**
F	**3785**	**GP**	**Rel-6**	**N**	**Addition of U-TDOA in the PS domain**	**UTDOA PS**	**TSG**	**27/06/2003 08:00**	**12/11/2004 17:00**	**5%**	**No**	**No**		**Started**	**Bob Gross, Rhys Robinson, TruePosition, Inc.**
F	**3786**	**GP**	**Rel-6**	**N**	**Advanced Receiver Performance**	**ARP**	**TSG**	**21/11/2003 08:00**	**12/11/2004 17:00**	**18%**	**No**	**No**			**Tommy Bysted, Nokia**
B	**3787**	**GP**	**Rel-6**	**N**	**ARP test scenarios**	**ARP-TS**	**TSG**	**21/11/2003 08:00**	**23/04/2004 17:00**	**20%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
B	**3788**	**GP**	**Rel-6**	**N**	**ARP for GMSK modulated voice services**	**ARP-GMSK**	**TSG**	**06/02/2004 08:00**	**25/06/2004 17:00**	**15%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
B	3789	GP	Rel-6	N	Performance requirements in 45.005	ARP-GMSK-Perf	TSG	06/02/2004 08:00	25/06/2004 17:00	15%	No	No		Started	
B	3790	GP	Rel-6	N	Radio subsystem link control in 45.008	ARP-GMSK-LC	TSG	06/02/2004 08:00	25/06/2004 17:00	15%	No	No		Started	
B	**3791**	**GP**	**Rel-6**	**N**	**ARP for GPRS and EGPRS MCS1-MCS4**	**ARP-GPRSE**	**TSG**	**06/02/2004 08:00**	**25/06/2004 17:00**	**10%**	**No**	**No**		**Started**	**Tommy Bysted, Nokia**
B	3792	GP	Rel-6	N	Performance requirements in 45.005	ARP-GPRSE-Perf	TSG	06/02/2004 08:00	25/06/2004 17:00	10%	No	No		Started	
B	3793	GP	Rel-6	N	Radio subsystem link control in 45.008	ARP-GPRSE-LC	TSG	06/02/2004 08:00	25/06/2004 17:00	10%	No	No		Started	

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F/ BB/ WT	WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
B	3794	GP	Rel-6	N	ARP Capability signalling	ARP-CAPSIG	TSG	21/11/2003 08:00	23/04/2004 17:00	40%	No	No		Started	Tommy Bysted, Nokia
B	3795	G3	Rel-6	N	GERAN MS Conformance test for ARP	ARP-ConfTest	TSG	27/08/2004 08:00	12/11/2004 17:00	5%	No	No		Started	Tommy Bysted, Nokia
F	3796	G2	Rel-6	N	Reduction of PS service interruption in Dual Transfer Mode	PSintDTM	TSG	21/11/2003 08:00	12/11/2004 17:00	48%	No	No			Toby Proctor, Siemens
B	3797	G2	Rel-6	N	Use case and requirement definition	PSintDTM-Req	TSG	21/11/2003 08:00	23/04/2004 17:00	100 %	No	No		Started	Toby Proctor, Siemens
B	3798	G2	Rel-6	N	Performance Study of Current Procedures	PSintDTM-Perf	TSG	21/11/2003 08:00	23/04/2004 17:00	100 %	No	No		Started	Toby Proctor, Siemens
B	3799	G2	Rel-6	N	Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures	PSintDTM-Reduct	TSG	23/04/2004 08:00	25/06/2004 17:00	5%	No	No		Started	Toby Proctor, Siemens
B	3800	G3	Rel-6	N	MS Conformance testing	PSintDTM-ConfMS	TSG	25/06/2004 08:00	12/11/2004 17:00	0%	No	No		Not started	
B	3801	G3	Rel-6	N	BTS Conformance testing	PSintDTM-ConfBTS	TSG	25/06/2004 08:00	12/11/2004 17:00	0%	No	No		Not started	
F	3813	N2	Rel-6	N	CAMEL prepay interworking with SCUDIF	SCCAMEL		08/12/2003 08:00	20/09/2004 17:00	5%	No	No			
F	3804	S1	Rel-6	N	Circuit Switched Video and Voice Service Improvements	CS_VSS	TSG	12/01/2004 08:00	14/10/2004 17:00	9%	No	No			John Watson, Vodafone Group
B	3805	S1	Rel-6	N	Stage 1 - Requirements			12/01/2004 08:00	14/10/2004 17:00	25%	No	No			John Watson, Vodafone Group
B	3806	N3	Rel-6	N	CN3 Part			12/01/2004 08:00	14/10/2004 17:00	0%	No	No			
B	3807	G2	Rel-6	N	GERAN2 Part			12/01/2004 08:00	14/10/2004 17:00	0%	No	No			