Technical Specification Group

TERMINALS

(TSG-T)

draft v0.5

Meeting Report of TSG-T meeting #16
Marco Island, FL, USA, 5 - 7 June 2002

Hosted by Motorola

Contents

Chairman: Dr Sang-Keun Park (Samsung)
Vice-chairmen: Kevin Holley (mmO2) and Ed Ehrlich (Nokia Corporation)
Secretary: Friedhelm Rodermund (MCC)
Host: Motorola

1   Opening of the Meeting and IPR reminder

The meeting was opened by Dr Sang-Keun Park at 09:00. On behalf of the host, Niels Peter Skov ANDERSEN welcomed the delegates to Marco Island.

A list of the delegates present at the meeting can be found in annex B.

The chairman drew the attention of the delegates 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. They were 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 TSG Terminals and to notify the Director-General or 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.

2   Approval of Agenda

TP-020092 contains the draft agenda for TSG-T #16. It was approved and can be found in annex A of this report.

3   Approval of the meeting report from TSG-T #15 meeting

TP-020090 contains the draft report of TSG-T #15 (Jeju, 6 - 8 March 2002). It was approved as TP-020091 with the word "draft" removed.

4   Letters and reports from other groups, LS incoming

4.1   OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN

TP-020093 contains the draft report of the TSG-SA #15 (Jeju, 11-14 March 2002). It was reported that the GUP work is now handled by SA2 who will also involve other WGs as required. A work item on IMS messaging was approved. TS 26.140 on MMS media formats and codecs was approved. SA3 reported that currently comments related to security on TS 23.140 are being collected. June 2003 is regarded as the initial target for Rel-6. The report on service requirements for the UE split was approved.

- The potential for confusion about the abbreviation IMS was raised by the T2 chairman. "IMS" is used for IP Multimedia Subsystem, "IM" is used for Instant Messaging.
- The SA1 chairman pointed out that it might be very difficult to change the term. But the term "IMS messaging" could possibly be changed to something else.
- As part of the discussion on the harmonization workshop with 3GPP2, the term "IMS" is used as well which makes it even more difficult to change it. Special care has to be taken when "IMS" and "IM" are used within the same specification.

The report was noted.

TP-020094 contains the draft report from PCG#8. CN reported that they have a risk in being able to complete Rel-5 by June 2002 due to IETF dependencies. PCG agreed to continue the work on OFDM (Orthogonal Frequency Division Multiplexing). RAN's submissions to ITU-R were approved concerning the updating of ITU Rec M.145 and concerning variable duplex spacing. SA reported on the long term visions activity. The TTCN funding was discussed. T1 had 21mm shortage due to the update of the test cases to the March 2002 status. The GSMA was willing to provide 11 man months on the understanding that the remaining amount be found from the manufacturing community and that work package 1 be completed by October 2002. Technical results of the IMS Workshop were fully endorsed by the PCG. A document about guidelines about selection venues for 3GPP meetings was discussed. The revised version of the 3GPP working procedures were approved.

- A question was raised about the responsibilities regarding IMS in 3GPP and 3GPP2. It was clarified that the work will be done within the existing structures. Individual members will participate in workshops and contribute under their name.

The report was noted.

TP-020095 contains the draft report from OP#7. It was clarified that when participating in other workshops than those hosted by 3GPP, companies will contribute on an individual bases and not in the name of 3GPP. TTCN funding was accepted including the GSMA 11 man months. All TSG-chairs were asked to make any further resource requirements to be reported to PCG and OPs. 3G Americas have been granted MRP status in 3GPP.

- A mistake in the PCG report was pointed out. 11 man months are offered by the GSMA, not 12.

The report was noted.

TP-020096 contains the draft report summary with the recommendations from the IP CN Harmonization Workshop. It was agreed that the harmonization of 3GPP/3GPP2 IP Multimedia Core Networks is a worthwhile and achievable goal that should be pursued urgently by both PP groups. It was agreed that priority will be given to harmonization in the areas of OSA/PARLAY based service APIs and IMS. 3GPP2 should utilize 3GPP Release 5 IMS and Parlay 3.1 as the base for their on-going development activities. 3GPP and 3GPP2 should establish formal and informal mechanisms (e.g., joint e–mail exploder) to promote harmonization activities.

- It was pointed out that MMS is another area where harmonisation with 3GPP2 is required. Comverse reported that they identified several gaps where 3GPP specifications cannot be used by the 3GPP2 world. This will make it difficult to send MMs from 3GPP to 3GPP2 terminals.

It was decided to raised the issue of MMS harmonisation requirements to TSG-SA. The report was noted.

TP-020097 contains an LS from CN3 to SA2 cc T on IPv6 update of stage 3 specifications. The LS was noted.

TP-020099 contains the reply from SA2 to CN3 cc T on the previous LS on IPv6 update of stage 3 specifications.

- It was reported that Nokia presented the status of IPv6 work at the recent T2 meeting. The slides were made available for information in TP-020161.

The LS was noted.

TP-020098 contains an LS from SA2 cc T on GUP progress. SA2 has been tasked by TSG-SA to actively co-ordinate the Generic User Profile development work within 3GPP and would like to start its coordination role by providing a status update on the GUP activity. A proposed work plan task list is attached to the LS.

- Regarding the GUP work item split, the SA1 chairman reported that were long discussions on GUP in SA1 but no agreement yet. An SA1 SWG GUP meeting was ongoing the same week as T#16.

The LS was noted.

TP-020159 contains the draft report from the 3GPP MBMS Workshop, 6-7 May 2002, London, United Kingdom. The purpose of the workshop was mainly to get a common understanding of MBMS and clarify status/requirements/objectives/etc.

- A clear requirement to minimize the options for the UEs was identified in order to reach as many mobiles as possible. One goal of MBMS is to maximise the re-use of existing physical layer functionality. The goal is not only to use efficiently the radio resources but also all other interfaces. The main commercial driver for MBMS appears to be for the relief of congestion caused by popular point to point streaming services.
- MBMS is consisting of the multicast and the broadcast part. There seems to be confusion on the separation of service and transport. It is possible to have a point-to-multipoint service who is using a point-to-point transport. There might be a need to run the service in two different QoS in GERAN and UTRAN. The radio groups were requested to establish a requirement document on the consequences of the service for RAN. There seems not a lot of work in the T area yet. Some stability on the stage 2 is required first before T2 and SA4 can be involved. Questions and issues related to the radio side have to be solved first.
- It was stressed that MBMS is not an enhanced CBS service. Most of the service examples given were streaming type applications.
- Regarding the expected timescales it was clarified that Stage 1 is under change control. However, some holes discovered in the stage 1 have to be clarified which would lead to a fairly stable stage 1 in the September timeframe. This allows the radio group to start with the work. The work item is for Rel-6.

The report was noted.

4.2   Others

TP-020147 contains the 3rd Call for the TTCN voluntary contributions in 2002 for the MCC Task 160 in development and maintenance of ATSs/PIXIT/ for 3GPP UE R99.
- It was noted that the document contains the wrong email address of the TSG-T chairman. His correct address is skpark@samsung.com
- It was stressed that TSG-T should try to identify additional funding needs earlier than in the past.

The document was noted.

5   Reports from TSG-T Working Groups

5.1   WG T1 Mobile Terminal Conformance Testing

5.1.1   Reports and liaisons from TSG-T WG1

TP-020135 contains the status report from T1 covering the period since the last TSG-T meeting in March. TP-020136 contains the draft minutes from the last T1 meeting. During the presentation of the report, the following points were noted:

5.1.1.1   RF test status

Main RF test issues are:

Maintenance of R99: a follow-up database has been created

Total Tests Time optimisation: still evaluating – limited number of contributors!

one CR on UMTS 1800/1900

The general status of RRM tests was given showing that a lot of progress has been made on RRM since the last TSG-T meeting.

Status of 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD). The specification is complete except some outstanding work on Support of RRM.

Status of 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD). The specification is complete except some outstanding work on Support of RRM which is because the core specification is still not fully complete.

5.1.1.2   Signalling test status

Status of 34.123-1 User Equipment (UE) Conformance Specification, Part 1 – Conformance specification. This spec contains a text description of the protocol test cases.

Main issues and CRs:

A large number of CRs to common specification areas required face to face time for authors to resolve merge problems.

Most of the CRs to update pk1 test cases to 2002-03 and to correct errors according to feedback.

Some CRs to increase coverage

Detailed table in T1-020401 (for information)

Introduction of a Rel-5 CR resulted in upgrading of 34.123-1 (& -2) to Rel-5 – following a strategy decision approved previously by TSG-T

Status of 34.123-2 User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement maps protocol test cases to the relevant UE capabilities. CRs are introduced to reflect changes in part 1.

Status of 34.123-3 User Equipment (UE) Conformance Specification, Part 3 – Abstract test suites. TTCN test specifications for the test cases described in part 1. 616 TTCN test cases can be downloaded from the server (v1.3.0). 578 of them are verifiable (ASN.1 2002-03). The estimated delivery schedule for prose / TTCN were given.

Current status:

The prose for package 1 (2002-03) is finished and the updating CRs were presented at this meeting. The 2002-03 ASN.1 has been implemented by the project team 160. The TTCN descriptions (2002-03) of the pk1 test cases should be finished in 5 weeks.

Strategy:

At the latest meeting, TSG-T provided the clear guideline that T1 should update the test specifications to the latest version of the core specifications at every meeting. A time plan was given in the presentation which is based on the assumption that the funding is available. For VP1 (Verified Package 1) the estimation shows the November 2002 timeframe. With the current resources, the overall delivery schedule seems critical. T1 will evaluate how to reach the targets requested by TSG-T.

During the discussion of the time plan the following points were raised:

- Concerns were expressed that the given estimation is not meeting TSG-RAN's and TSG-T's requirements that all test cases are updated to the newest version continuously. The T1 chair explained that with the current resources this seems very difficult.

- It was explained that the Industry Verification is out of hands of T1 and therefore a time estimation is very difficult. Companies using the 3GPP test cases, are once again invited to feed back observations to the anonymous database hosted by ETSI – to contribute to the common maturing of the 3GPP prose test cases, TTCN and of course the core specifications.

- How can the additional man months requirements regarding the continues updating be handled? At this moment it seems to be possible that this can be done with the current funding.

- The T1 chairman proposed that TSG-T starts some proactive activities to get more companies involved in providing resources.

T requested T1 to update all prose versions to the 2002-06 versions of the core specs until the next T meeting. The T1 chairman stressed that T1 will (with or without T request) update as many test cases as the resources allow. T1 will be happy to update all test cases to the 2002-06 version for the next meeting but this can only be achieved with sufficient resources assigned to do the work.

TP-020138 contains the Report on MCC task 160 and TTCN verification database. The work progress was reported. General status: 616 TTCN TC available / 746 prose TC. An accelerated work plan for package 1 has been developed which sets the working priorities according to the guidance of TSG-T#15. Status of package 2 – 4 was given. Companies were asked to keep their experts available in the MCC task 160. The TTCN drafting for the 2G ->3G HO was announced to start soon. The TTCN Delivery Plan (2002) is part of the slides. Regarding the TTCN verification database, it was reported that 365 problems have been received since the creation of the database and resolved / corrected in TTCN.

- The T1 chairman explained that the general status of the test case development is quite good. At this moment it seems, the industry is not yet quite ready to use the broad protocol test cases provided by 3GPP. The 3GPP test cases are meant to test the conformance of the total and functional protocol. The major part of the industry seems still to be using internally developed test cases, testing only partly functional protocols for development purposes. The main problems of T1 remain the changing of some of the core specifications and the resulting updating process every 3 months to follow the core specifications.

The report was approved. It was noted that this approval is a necessary condition before the task force can be paid for the work they have undertaken.

5.1.1.4   General test issues

Status of 34.108 Common test Conditions for User Equipment (UE) Conformance Testing. CRs concerning the following issues:

Moving of RRC default message contents from 34-123-1 to 34.108, and updated to 2002-03

System Information updated

Introduction of WCDMA1800

Update of test USIM

Addition of new RABs

5.1.2   Questions for advice and decisions on T1 issues

No documents were registered under this agenda item.

5.1.3   Approval of contributions from T1

The full list of CRs including their status can be found in annex D of this report.

TP-020137 contains the updated set of T1 work items. The main change of this document is the addition of the WI on 'Testing of Extended RoHC'. Furthermore, the expected completion dates for some of the other work items have been changed.

-        It was explained that T1 keeps all their work items always in one document. T1 thinks that this is very useful but some TSG-T delegates thought it would be clearer to present changed or new work items separately.

The document was approved including the new WI on 'Testing of Extended RoHC' and the revised target completion dates.

TP-020139 contains CRs to 34.121. They were all approved.

TP-020140 contains CRs to 34.122. They were all approved.

TP-020141 contains CRs to 34.108. They were all approved.

TP-020142 contains CRs to 34.123-1 -package 1. They were all approved. With these test cases package 1 is considered to be finished prose wise which is an important milestone for T1.

TP-020143 contains CRs to 34.123-1 -other packages. They were all approved.

TP-020144 contains CRs to 34.123-2. They were all approved.

TP-020145 contains CRs to 34.123-1 for creation of Rel-5. The CRs were approve except 34.123-1 CR255.

Concerns were raised regarding 34.123-1 CR255 on the addition of a test of short message type 0 (CS/PS) as it was not testing all of the possible replies of the UE. After an outside discussion it was concluded that the Rel-5 part of the CR is correct and that the R99/Rel-4 part does not test all possible responses from a R99/Rel-4 UE. 34.123-1 CR255 was revised in TP-020164 containing only the rel 5 part of the CR and approved. It was noted that the source of the CR is not T2 because they have never seen the CR. Instead the source of the CR was VF, Telia, Sonera. It was noted that Rel99, and Rel-4 changes were not rejected but postponed due to the ambitious changes in the core specification. After the changes in the core spec are done, these changes of the test specification might be represented.

TP-020146 contains CRs to CRs to 34.123-2 for creation of Rel-5. CR072 to 34.123-2 on addition of test of short message type 0 was revised in TP-020165 and approved.

5.1.4   Documents for information

No documents were presented under this agenda item.

5.1.5   Work programme review of T1

No documents were presented under this agenda item. However, see also section 7 of this report.

5.2   WG T2 Mobile Terminal Services and Capability

5.2.1   Reports and liaisons from T2

TP-020162 contains the T2 status report (slides) and TP-020101 contains the draft report of T2#17. During the presentation of the report, the following points were highlighted:

SWG1 (MExE) Summary

-        1 CR (REL-5), 3 LS's and 1 WID agreed
-        New WID produced (Binary Execution feasibility study)
-        Security Analysis WID - Recommendation to close it

- Discussion on new WID proposal (Network Execution) concluded that this was not a matter for T2. Sponsors to take WID to SA1
- MExE Class-marks: LS to TSG T outlining a proposal for assessing future class-mark applications. Concern expressed by some T2 delegates that this does not address controlling numbers of class-marks that may be issued
- MExE 23.057: CR produced to make the MExE specification more readable. Concern expressed by several mobile manufacturers that this does not necessarily make MExE easier to implement which was their earlier criticism of 23.057
- MExE Security: Liaison sent to SDR forum concerning Security for software download
- MExE CLI: Liaison sent to WAP forum UAProf group concerning adding CLI platform tag to UAProf Schema

SWG2 (UE Interfaces and Capabilities) Summary
- 2 CR's 27.005 (1 REL-99, 1 REL-4), 1 CR 27.007 (REL-6), and 3 LS's agreed.
- Generic User Profile:
- T2 GUP Ad Hoc group abandoned. Work on GUP now carried out under SWG2 for those WID items that SA1/SA2 assign to T2
- Focus now on DDF-common objects work
- UEM: TR 32.802 comments sent to SA5 for the final version
- AT Commands:
- Correction to +CNM description
- Enhancement to +CIND
- Priority Service Feasibility study:
- TR 22.950 reviewed. SA1 requested to keep T2 informed of any future aspects of this work affecting T2

SWG3 Summary (MMS)
- 19 CR's 23.140 (1 REL-99, 1 REL-4 and 17 REL- 5), 8 LS's agreed
- MM7 Stage 3 completed. This now finalises 23.140 REL-5
- MM7 Stage 3 finalisation resulted in some corrections to Stage 2
- Address visibility
- MM1/MM7 and MM4/MM7 header mapping
- CDR list updated
- Additional Stage 1 requirements provided by SA#15 for charged party indication incorporated into Stage 2
- Message Size defined as requested by GSMA BARG
- Message Distribution Indicator added
- Inclusion of MIME type for SMS encapsulation and alignment with MMS codec specification 26.140
- MMS REL-6 WID: Initial draft produced. The list of proposed items is ambitious. Refinement and prioritisation together with SA1 will be necessary

SWG3 Summary (EMS)
- 5 CRs 23.040 (REL-5) agreed, clarifications and corrections.

SWG3 Summary (SMS)
- 7 CRs 23.040 agreed (1 REL-99, 1 REL-4, 5 REL-5)
- Type 0 Messages. A 'may' has been changed to 'shall' for REL-5
- TP-PI bit value combinations clarified
- TP-RD use in SMS Commands clarified
- Reply Address emplacement in Concatenated SM's clarified
- TP-DCS for SIM Data download changed to allow 7 bit, 8 bit or 16 bit messages rather than just 8 bit.

SWG3 Summary (CBS)
- 2 CRs 23.041 (1 REL-4, 1 REL-99) agreed which update the references

During a general discussion on the report, the following points were highlighted:

- Comverse felt that a joint meeting between SA1/T2 was crucial to proceed the work on MMS Rel-6. It would be important to have an agreed WID by the next T2 meeting in August.
- The SA1 chairman felt that the requirements on MMS Rel-6 are not stable enough yet to be discussed in other groups.
- It was noted that on slide 6 and slide 14 SA5 should be replaced by SA4.
- Nokia stated that they now accept the five EMS CRs. When originally submitted these five CRs were submitted as one CRs including editorials, clarifications, corrections and new features. Nokia was very disappointed with some of the content and the attitude of the original CRs because it included new features. Ericsson expressed that they had the same opinion on these CRs. On this matter, Ericsson and Nokia made the following joint statement: "To finalize the Rel-5 EMS solution in T2, extensive and mutual efforts were required among the member companies and it was our belief that this was achieved based on mutual respect and confidence. It is therefore with amazement that we take note of how the so-called EMS-corrections were presented at the T2#17 meeting, where new material was deliberately mixed into one single 30 pages tdoc (eventually split into 5 CRs). We regret that the atmosphere of trust was eventually reached at T2#16 in this way has been broken." The T2 chairman thanked Nokia and Ericsson for their efforts to solve this matter. The T2 chairman personally thanked Paul Voskar (Nokia) for his help and hard work in securing Nokia's and Ericsson's agreement to reach a satisfactory outcome for EMS Rel-5.
- Regarding the Message Size defined as requested by GSMA BARG, it was pointed out that the BARG request was not sent to SA1. Therefore it was requested to inform SA that this decision was taken by T2.
- The purpose of the joint T2 SWG2 /SA5 meeting on GUP was questioned since the stage 2 seems not be progressed enough to continue the stage 3 work. It was clarified parallel work is required and that the work is done with the knowledge and agreement of SA2, and that the work progress will be reported back into SA2.

The report from T2 was noted. TSG-T approved the proposal to delete the MExE security analysis WID.

TP-020108 contains an LS from T2 to SA1 cc T regarding MMS Rel-6 WID. T2 requests SA1 to review the proposed preliminary MMS release 6 work item description and provide comments. In addition T2 asks SA1 to have a joint meeting in order to finalize the MMS release 6 work item description.

- It was reported that some requirements for Rel-5 were received by T2 after Rel-5 was frozen. This should be avoided for Rel-6.
- A discussion about the future direction of MMS is necessary followed by the definition of priorities.
- The draft WID contains things which are higher, medium, lower level. T2 could possibly start already working on the lower level items. One way forward would be to filter out those things which T2 could start working on without consulting SA1. This would help not to lose too much time before T2 can start working on MMS Rel-6.

The LS was noted. Comverse will produce a document filtering out those items which T2 could already start working on. This document will then be reviewed by T2.

TP-020107 is a discussion document on problems with MMS stage 2 Rel-5. Some T2 delegates have identified a number of problems in MMS 23.140 Rel-5 that have the potential to cause difficulties for some customers, network operators and for some applications. The problems are related to UA setting the time-stamp, Time and Date definition, Missing additional Information Elements, Missing acknowledgements for Delivery Reports and Read Reply Reports.

- Regarding problem 1, it was commented that the network based time stamp is a new feature.
- Regarding problem 4 related to the missing acknowledgements for Delivery Reports and Read Reply Reports, it was commented that the recipient of such a reply report can't rely on getting such a read reply report because it's just an optional feature. Also the failure rate is much lower than described in the present paper with the WAP push retry mechanism. In the roaming case the sender of the report might be charged for sending the report.
- It was highlighted that some of these requirements are coming from SA5 based on the CDR structure.
- Ian HARRIS asked all TSG-T delegates to read this document carefully and to contact him for adding their names to the supporting companies if they agree that the identified problems must be solved.

- It was questioned why this paper which is referring to long SMS experience comes up so late within the Rel-5 timeframe. One reason (related to problem 1) was that SA5 redefined the structure of the CDRs at a late stage and therefore it appeared rather late that the network based time stamp is needed.

The document was noted. The discussion will continue in T2.

TP-020109 contains an LS from T2 to T on criteria for T2 to consider approving a new classmark. T2 was asked by TSG-T#15 to provide information on this matter. Please find below a selection the points brought up during the intensive debate of the document:

- The T2 chairman asked to have endorsement from TSG-T for guidelines on new MExE classmarks. There were strong concerns on endorsing the document like it was. A discussion took place on how to change the document to get acceptable guidelines for considering new classmarks.
- Concerns were expressed on the rising number of classmarks. More classmarks seem to make MExE even more complicated. Considering that there are four classmarks now, shouldn't we stop here with the stable specification and see how the industry is taking this up?
- It was noted that there are many terminals coming on the market which are not using MExE. Therefore, it has to be analysed why we are on a side track and how we can get back on the main track. It might be that we have only to do modifications to MExE, but maybe we even have to abandon it. MExE has to be scrutinised on what has been reached up to now and where are the problems. Up to now, MExE has problems to reach some benefits for the market.
- When considering new classmarks, it has to be debated if these can also be based on company specifications, or only on specifications from standardisation bodies.
- When considering new classmarks, T2 should continue taking care that all mandated MExE technical and security requirements, specified in 23.057, must be met.
- Classmark issues are not purely technical but more a business issue and therefore it might not be appropriate for a technical group to make these decisions. However, it was not agreed to add a statement to the document that SA1 and other groups have to be consulted regarding the business requirements. This is already covered by the normal way of working in 3GPP.
- The T1 chairman reminded about the slow progress of the MExE testing work item. Input is invited.
- It was reminded that in addition to having four supporting companies for a work item, there has to be agreement on it. It was clarified that the document says that four companies are required before the new classmark is *proposed.*
- It was reported from the GSMA that operators are unhappy that there are so many different ways of downloading applications and they called for the adoption of MExE. MExE is in the interest of the operators and in the long term also of the terminal manufactures. Another comment was that operators like only the idea of MExE and not how it is realized today. However, operators need a secure download mechanism.
- The TSG-T secretary pointed out that TSG-T should not endorse a document which replicated the working procedures. He also clarified that for every classmark a new WID is required.
- The reason why this causes controversial discussion is that we are setting up a procedure on how to obtain the MExE logo. It seems much more important to discuss how to evolve the area of downloadable applications.
- Different SDOs may have different definitions of the term "Publicly available".
- The T2 SWG1 MExE chairman pointed out that it would be very helpful that all these concerns and questions are raised directly to the MExE meeting. Companies who think that MExE is going into the wrong direction are invited to send delegates to the MExE meetings and express their concerns and make suggestion for improvements.
- It was proposed to report this discussions back to T2 and ask the MExE group to address the concerns made and come back with proposals.

Everything which was already covered by the working procedures and methods was deleted from the document. The resulting document was made available in TP-020169 which was agreed as criteria for T2 to commence detailed discussion on a new classmark. *(Note after the meeting: Since TP-020169 contains revision marks, the final version without revision marks is available in TP-020170.).* Contributions were invited on the overall future of downloadable content for the next T2 meeting. Motorola announced they would submit a contribution on this matter. TP-020106, the WID on the MExE binary code execution feasibility study was postponed.

5.2.2   Questions for advice and decisions on T2 issues

No documents were registered under this agenda item.

5.2.3   Approval of contributions from T2

The full list of CRs including their status can be found in annex D of this report.

TP-020102 contains a CR on MExE (23.057). The CR was approved.

TP-020103 contains CRs on Terminal Interfaces and Capabilities (27.005, 27.005). The CRs were all approved.

TP-020104 contains CRs on SMS, EMS, and CBS (23.040, 23.041).

During the discussion of CRs 52, 53, 54 to 23.040 on clarification of the requirement for type 0 Short Messages, the following points were noted:

- The Rel-5 CR (CR54) forces the UE to perform a positive acknowledgement RP-ACK of the message even though the memory is full. Until now it was sufficient to send a negative acknowledge RP-ERROR.
- In Rel-99 and Rel-4, a legitimate respond to the type 0 SMS could be an RP-ERROR or an RP-ACK. For Rel-5, only the RP-ACK is the valid reply.
- Cat C was questioned for this CR since Rel-5 is frozen since March. It was explained that the CR was originally presented during the Rel-5 timeframe and that it was deferred from the Feb T2 meeting.

After an outside discussion, the matter was resolved and the CRs 52, 53, 54 to 23.040 were approved.

During the discussion of CR51 to 23.040 on TP-DCS values for SIM data download, the following points were noted:

- Concerns were expressed on the CR. It is marked as cat F and claims to remove two contradictions although it seems that the first contradiction is only a restriction. Regarding the second contradiction, 23.040 says that you can only use certain coding code points, and 31.011 says that you can use any code point. This is not reflected on the CR cover sheet which is supposed to include all required information for TSG-T to decide on a CR.
- TP-020163 contains an LS to T3 on TP-DCS values for SIM data download giving background information on the discussed CR. The LS was noted.
- There are some implementations which use 16 bit UCS2 for SIM data download and therefore this alignment seems necessary. Concerns were expressed to approve a CR based on some vague information and speculation about an application which seem to interpret the content and which is using UCS2 for SIM data download.
- T3 reported that they have checked this CR and endorsed it adding the request to have it also for Rel-4.
- It was questioned if this CR is really an essential correction.

Originally, TSG-T#16 rejected the CR and asked T2 to re-discuss the matter and provide more background information. However, later during the meeting more information on the CR became available and it was re-debated again. The following points were noted:

- It was noted the text in the "Reason for Change" was neither sufficient nor correct.
- Obviously this CR is only solving part of the problem. T2 should check if there are other adjustments needed in other areas.
- It was agreed to have a detailed explanation in the minutes:

The CR051 as presented in TP 020104 is an alignment between the TS 23.040 (SMS) and TS 51.011/31.102 (U)SAT. Additional text can be found in an LS in TP-020163 which has been sent to T3.

Concern was raised that the Reason for Change did not provide sufficient background information to agree this CR. During the meeting, further information was made available as follows:

The problem showed up because at least one SIM card manufacturer's solution sets the DCS value to "1A" (which means UCS2 code) and not to the expected value "16". This is in contravention of 23.040 as it was before T#16 and therefore such solutions do not meet the 3GPP requirements. In order to resolve this situation it is necessary either to change the solutions so that

they meet the requirements or to relax the specification 23.040 to allow a more flexible approach as proposed by T2 in CR51.

After a long discussion it was agreed to approve CR51. This makes the role of the MT easier by allowing the PID to be checked for "SIM Data Download" and then the message being passed to the SIM irrespective of the value of the DCS.

In addition, the following point was raised during the discussion:

Currently the TS 23.040 does not give any guidance about a possibly preference or priority between PID and DCS. Unfortunately the priority could not easily defined (e.g. the PID is of higher priority in respect to DCS) because there are already exceptions to the rule (e.g. a class 0 messages causes immediate display on the ME) where the PID value could be totally ignored.

So as a result of the CR TSG-T2 is tasked to check the issue in more detail at the next coming meeting and come back with proposed changes.

The CR51 to 23.040 was finally approved. In summary, all CRs in TP-020104 were approved.

TP-020105 contains CRs on MMS (23.140). During the discussion of the document, the following points were noted:

- Regarding CR081 on volume based charging it was requested that this decision is brought to SA's attention.
- Regarding CR071, CR072, CR073 on encapsulation of a short message (SMS) in a multimedia message (MMS), it was commented that these CRs are invalidating existing implementations. If manufactures are not using SMS encapsulation in a MMS then there is no problem.

The CRs CR071, CR072, CR073 were approved conditionally subject that no problems will be found. The CRs in TP-020105 were all approved.

TP-020158 contains CR069 to 23.140 MMS MM7 stage 3. The CR was approved. Special thanks were expressed to the experts and the WG who produced this CR.

5.2.4 Documents for information

No documents were submitted for information.

5.2.5 Work programme review of T2

See section 7 of this report for further information about the work program.

5.3 WG T3 USIM

5.3.1 Reports and liaisons from TSG-T WG3

TP-020129 contains the status report for T3. During the presentation of the report, the following points were highlighted:

T3's new specifications and CRs

The results/discussions about new specifications and CRs can be found in section 5.3.3 of this report.

Other Issues

T3 and GSMA-SCaG had a joint session during the last T3 plenary on 23 May 2002 in Espoo. T3 and SCaG decided to exchange information on a regular basis.

Data inconsistency were identified if MMS is not supported by the ME for Rel-4. GSMA SCaG supports a "unified" solution to have it for Rel-4 as expressed in an LS to T3, GSMA TWG, SERG, MSIG.

TP-020130 contains an LS from T3 to T2 cc T on data inconsistency related to MMS support on the USIM. T3 emphasized the point that MMS should also be incorporated into the relevant T2 Rel-4 specifications rather than referencing the relevant T2 Rel-5 specifications from the T3 Rel-4 specification.

- It was commented that consistency at the USIM level will facilitate interoperability. To have the parameters store in the USIM from "day one" will also make the service user friendly.

It is not expected that there are problems for R99 neither for the USIM or the UE. The LS was noted and the request in this LS was unanimously endorsed by T asking T2 to provide the CRs to include MMS to the Rel-4 specification.

TP-020133 contains an LS from T3 to T2 cc T on MMS UA behaviour with respect to handling MMS parameters on the USIM. The LS was noted. T2 will take up the matter and come up with a statement for the next plenary. T agreed that T2 should provide a CR if necessary at the coming T plenary

TP-020132 contains an LS from T3 to T on an error discovered in TS 11.11 and TS 51.011. It has been discovered that in section 10.3.40, (describing $E_{FRPLMNAcT}$), the file identifier is defined as "6F5F", whereas in normative section 10.7, Annex D and Annex I (both annexes informative), the file identifier is defined as "6F65".

- It was commented that this should only have impact on GSM Compact mobiles. At the last GERAN meeting it was discussed to delete GSM Compact because it is not much used. This would lead to the option of simply deleting the field. Investigations have shown that there is only one call where this field is used and this is related to GSM Compact.

It was decided to write an LS on this matter to CN1 cc RAN2 GERAN1 (see next doc TP-020168). The attached CRs were extracted in TP-020167 and approved (see 5.3.3).

TP-020168 contains the LS to CN1 cc RAN2 , GERAN 1 on an error discovered in TS 11.11 and TS 51.011 (see above TP-020132). TSG-T request CN1 whether TSG T3 can go ahead and delete this particular file. The LS was approved.

The T3 chairman Klaus VEDDER announced that he intends to step down at the coming T3 plenary meeting in Seattle. TSG-T thanked the T3 chairman for his excellent work and great achievements. The T3 chairman thanked everybody for the cooperation through the last almost 4 years of T3.

TP-020166 contains the letter of support for the candidature of Nigel Barnes as chairman of T3. The document was noted.

Decisions and discussion on the items for approval can be found in section 5.3.3 below.

5.3.2　　Questions for advice and decisions on T3 issues

Specifications: Upgrades and Withdrawals

TS 21.111 USIM and IC Card requirements. T3 proposes to upgrade TS 21.111 to release 5 without any CR. This was approved by TSG-T.

TS 31.110 Numbering system for telecommunication IC card applications. This specification consists of simply a pointer to the relevant EP SCP specification TS 101 220 into which it was merged T3 proposes no upgrade to Rel-5. This was endorsed by TSG-T.

TR 31.900 SIM/USIM interworking. As Rel-5 of TR 31.900 covers R99 as well as Rel-4 issues, T3 proposed to withdraw the R99 and the Rel-4 version and only to maintain Rel-5. TSG-T approved this.

TS 51.011 SIM/ME interface (Rel-5). Due to the SA decision that a Rel-5 GERAN-only terminal shall support the USIM and in light of the discussion at the TSG-T #11 Palm Springs, T3 suggests to withdraw the Rel-5 version of TS 51.011 created during TSG-T#14 (the CR creating this version does not apply to Rel-4). There is no need for a Rel-5 specification any longer. This was approved by TSG-T.

The process of incorporating TS 11.14 into "reduced" TS 31.111 and subsequent withdrawal of "full scale" TS 31.111 was endorsed by TSG-T.

5.3.3　　Approval of contributions on T3 issues

TP-020110 contains CRs to TS 03.19. The CRs were all approved.

TP-020111 contains CRs to TS 11.14. The CRs were all approved..

TP-020112 contains CRs to TS 31.102. The CRs were all approved.

TP-020113 contains CRs to TS 31.111. The CRs were all approved.

TP-020114 contains a CR to TS 31.112. The CR wasl approved.

TP-020115 contains CRs to TS 31.113. The CRs were all approved. *Note after the meeting: The CR number 008 was already used and therefore the CR 008 received the new number 017.*

TP-020116 contains CRs to TS 31.114. The CRs were all approved.

TP-020117 contains a CR to TS 31.121. The CR was approved.

TP-020118 contains CRs to TS 31.122. The CRs were all approved.

TP-020119 contains CRs to TR 31.900. The CRs were all approved.

TP-020120 contains CRs to TS 43.019.

> Related to the CRs on concatenated SMs in this document, the following two docs were presented:

>> TP-020131 contains an LS from T3 to T on concatenated SMs handling on the UICC. The LS clarifies that the CR (T3-020085) just extends the existing behaviour of the UICC framework to Concatenated SMs using the standard TS 23.040 procedure. The LS was noted.

>> TP-020134 is on the approval of T3-020085 CR13 to 43.019. It explains the points which caused a lack of understanding about the purpose of the CR which resulted in a rejection of the CR at TSG-T#15. The document concludes that TSG-T should approve the CR 13 to 43.019 which is re-presented to TSG-T #16, noting that in the future the reason for change needs to be carefully drafted to make sure that TSG-T people who were not in the WG discussion can understand the purpose of the CR. The LS was noted.

The CRs were all approved.

TP-020121 contains a CR to TS 51.011. The CR was approved.

TP-020167 contains CRs to TS 11.11 and TS 51.011 on the identifier of $E_{FRPLMNAcT.}$ The CRs were approved.

TP-020122 contains the work item description on TS 11.13 for REL-5. The WID was approved.

TP-020124 contains TS 31.103 Characteristics of the ISIM Application, REL-5.
- It was explained that this is presented as Version 1.0.0 because it has not been presented to TSG-T before. T3 asked to have it approved in one step because it is an important part of Rel-5.
- It was pointed out that some RFC references still have to be changed and that the inclusion of the OFM is subject to endorsement by S3.

The specification was approved.

TP-020126 contains TS 31.115 REL-6 Secured packet structure for (U)SIM Toolkit applications.
- It was commented that it can be dangerous to copy text or diagrams from one spec to another. There is no mechanism to inform T3 about changes of the T2 figure. It was also noted that the reserved values given in the document might change in future.

The specification was approved. The addressed points will be fixed with a CR at the next meeting.

TP-020127 contains TS 31.116 REL-6: Remote APDU Structure for (U)SIM Toolkit applications. The specification was approved.

5.3.4   Documents for information

TP-020123 contains SIM toolkit test specification for information. The document was noted.

TP-020125 contains Version 1.0.0 of TS 31.111- based on CAT specification TS 102 223 for information. The document was noted.

TP-020128 contains TS 51.013 Rel-4: Test specification for SIM API for Java Card ™ for information. The document was noted.

5.3.5 Work programme review of T3

See section 6 of this report for further information about the work program.

6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA

6.1 Release 5

TP-020156 contains the MCC review of the Work Plan at TSG #15
- It was clarified that User Equipment Management is an Rel-5 work item.
- The T2 chairman advised the meeting of the already discussed document (TP-020107) on the fundamental issues which still have to be resolved very quickly for MMS Rel-5. Some companies expressed their opinion that the changes outlined in TP-020107 are not necessary, other companies think they are very important. CRs related to this issue were not agreed at the last T2 meeting mainly because of lack of time. The companies who submitted TP-020107 raised the issue to add the note about the open problems in the slides to SA. This was not agreed.
- It was noted that a GUP security analysis is planned by SA3.

The document was noted. The minor required changes will be done offline before the slides will be presented to TSG-SA.

TP-020157 contains the latest version of the Work Plan. The document was noted.

6.2 Other issues

TP-020148 contains CR 009 to 21.101 "Correction to list of specs". The document was noted.

TP-020149 contains CR 006 to 21.102 "Correction to list of specs". The document was noted.

TP-020150 contains 21.103 v2.0.0. The document was noted.

TP-020151 contains CR 006 to 01.01 "GSM Release 1999 specifications. The document was noted.

TP-020152 contains CR 005 to 41.102 "GSM Release 4 Specifications". The document was noted.

TP-020153 contains 41.103 v2.0.0. The document was noted.

TP-020154 contains Specs status list prior to TSGs#16. The document was noted.

TP-020155 contains List of specs / releases. The document was noted.

TP-020160 contains the proposed revised CR cover sheet (for info at T, approval at SA). An ISIM box, the Rel-6 indicator, and a specific yes/no box for affected specifications have been added. The document was noted.
- It was questioned if all "proposed changes affects" boxes cover all work done e.g. the MMS server.
- The reason for having these categories was that if a change is coming, an operator or any other company knows if the change affects the SIM, or the UE, or the network. It was questioned if these boxes are needed at all.

TSG-T supported the new cover sheet. It was clarified that if there is a CR which affects the MMS relay server, then the core network box should be ticked.

7 Liaison Statements (LS) outgoing

One outgoing liaison statement was generated during the meeting - see TP-020168 in section 5.3.1 of this report.

8   Postponed issues from earlier in the meeting

Issues raised under this agenda item are dealt with in the section of this report under which the document was originally discussed.

9   Any Other Business

None.

10   Work Plan and Future Meeting Schedule

The following TSG-T (and associated TSG-SA) meetings are currently scheduled. The full schedule of all 3GPP related meetings is continuously updated and can be found on the server at:

http://webapp.etsi.org/meetingcalendar/

Meeting	Date	Host	Location
TSG-T #17 TSG-SA #17	4 - 6 September 2002 9 - 12 September 2002	Alcatel	Biarritz, France
TSG-T #18 TSG-SA #18	4 - 6 December 2002 9 - 12 December 2002	North American 'Friends of 3GPP'	New Orleans, USA
TSG-T #19 TSG-SA #19	12 - 14 March 2003 17 - 21 March 2003	UK operators	Jersey Island, UK
TSG-T #20 TSG-SA #20	11 - 13 June 2003 16 - 19 June 2003	Nokia	Finland
TSG-T #21 TSG-SA #21	17 - 19 September 2003 22 - 25 September 2003	Host Required	
TSG-T #22 TSG-SA #22	10 - 12 December 2003 15 - 18 December 2003	Host Required	

11   Close of the meeting

The meeting was closed by the chairman at 13:30. He thanked the WG chairman for their presentations and the delegates for their work and the host for their efficient arrangements and facilities. He also expressed his thanks to the MCC, the SK Group and to the T secretary.

ANNEX A   **Approved Agenda**

AGENDA

Agenda Item	Input documents (TP-020nnn)
1 Opening of the meeting (09:00 Wednesday 5 June) and IPR reminder	
2 Approval of Agenda	092
3 Approval of the meeting report from TSG-T#15	090
4 Letters and reports from other groups, LS incoming *4.1 OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN* *4.2 Others*	 093, 094, 095, 096, 097, 098, 099 147

5   Reports from TSG-T Working Groups
5.1   WG T1 Mobile Terminal Conformance Testing
    5.1.1   Reports and liaisons from TSG-T WG1
    5.1.2   Questions for advice and decisions on T1 issues
    5.1.3   Approval of contributions on T1 issues
 	
    5.1.4   Documents for information
    5.1.5   Work programme review of T1
 	
5.2   WG T2 Mobile Terminal Services and Capability
    5.2.1   Reports and liaisons from T2
    5.2.2   Questions for advice and decisions on T2 issues
    5.2.3   Approval of contributions on T2 issues
    5.2.4   Documents for information
    5.2.5   Work programme review of T2
 	
5.3   WG T3 USIM
    5.3.1   Reports and liaisons from TSG-T WG3
    5.3.2   Questions for advice and decisions on T3 issues
    5.3.3   Approval of contributions on T3 issues
 	
    5.3.4   Documents for information
    5.3.5   Work programme review of T3
	
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	137, 138, 139, 140, 141, 142, 143, 144,
	145, 146
	
	100, 101, 108, 109
	
	102, 103, 104. 105, 106, 158
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	110, 111, 112, 113, 114, 115, 116, 117,
	118, 119, 120, 121, 122, 124, 126,
	127, 134
	123, 125, 128

6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA *6.1 Release 5* *6.2 Other issues*	148, 149, 150, 151, 152, 153, 154, 155, 156, 157
7 Liaison Statements (LS) outgoing	
8 Postponed issues from earlier in the meeting	
9 Any Other Business	
10 Future Meeting Schedule	
11 Close of the meeting (by 16:00 Friday 7 June)	

ANNEX B   List of attendees

		Person's name: and country		*email*	*Organisation name, status, partner Role*			
1	Mr.	Ramin	Afchar	ramin.afchar@vodafone.com	VODAFONE Group Plc	3GPP	ETSI	GB
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22	Mr.	akihiro	higashi	higasi@mlab.yrp.nttdocomo.co.jp	NTT DoCoMo Inc.	3GPP	ARIB	JP
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24	Mr.	Andrew	Howell	andrew.howell@motorola.com	MOTOROLA GmbH	3GPP	ETSI	DE
25	Mr.	Kay	Kittel	Kay.Kittel@siemens.com	SIEMENS AG	3GPP	ETSI	DE

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They are also able to update their own information (new address / tel. / fax / email etc) by using the URL:

http://webapp.etsi.org/teldir/PersonalInfo.asp

ANNEX C Document list

Below is a list of the documents considered at this meeting. All documents listed below can also be found under the directory ftp://www.3gpp.org/TSG_T/TSG_T/

For allocation of document numbers for future meetings, please contact the TSG-T secretary, Friedhelm Rodermund (rodermund@ETSI.fr)

Tdoc	Title	Source	Agen da	Notes / Status
TP-020090	Report (draft) from TSG-T #15 (Jeju, 6 - 8 March 2002)	TSG-T Secretary	3	replaced by 091
TP-020091	<<<<reserved for Report from TSG-T #15 (Jeju, 6 - 8 March 2002)>>>	TSG-T Secretary	3	approved
TP-020092	Agenda (draft) for TSG-T #16 (Marco Island 5 - 7 June, 2002)	TSG-T Secretary	2	approved
TP-020093	Report (draft) of TSG-SA #15 (Jeju, 11-14 March 2002)	TSG-SA Secretary	4.1	noted
TP-020094	Report PCG#8, New Orleans, 25 April 2002	PCG Secretary	4.1	noted
TP-020095	Report OP#7, New Orleans, 26 April 2002	OP Secretary	4.1	noted
TP-020096	Recommendations from April 3-4, 2002 IP CN Harmonization Workshop		4.1	noted
TP-020097	LS from CN3 to SA2 cc T on IPv6 update of stage 3 specifications	N3-020361	4.1	noted
TP-020098	LS from SA2 cc T on GUP progress	S2-021513	4.1	noted
TP-020099	LS from SA2 to CN3 cc T on IPv6 update of stage 3 specifications	S2-021521	4.1	noted
TP-020100	T2 status report (slides)	T2 chairman	5.2.1	revised to 162
TP-020101	T2#17 Vancouver meeting report	T2 Secretary	5.2.1	noted
TP-020102	CRs on MExE **for approval**	T2	5.2.3	approved
TP-020103	CRs on Terminal Interfaces and Capabilities **for approval**	T2	5.2.3	approved
TP-020104	CRs on SMS, EMS, CBS **for approval**	T2	5.2.3	approved
TP-020105	CRs on MMS **for approval**	T2	5.2.3	approved
TP-020106	WID MExE binary code execution feasibility study **for approval**	T2	5.2.3	postponed
TP-020107	discussion document MMS stage 2 Rel-5	Teleca, SemaSchlumber ger		noted
TP-020108	LS from T2 to SA1 cc T regarding MMS Rel-6 WID	T2-020572	5.2.1	noted
TP-020109	LS from T2 to T on criteria for T2 to consider approving a new classmark	T2-020581	5.2.1	noted
TP-020110	CRs to TS 03.19 **for approval**	T3	5.3.3	approved
TP-020111	CRs to TS 11.14 **for approval**	T3	5.3.3	approved
TP-020112	CRs to TS 31.102 **for approval**	T3	5.3.3	approved
TP-020113	CRs to TS 31.111 **for approval**	T3	5.3.3	approved
TP-020114	CRs to TS 31.112 **for approval**	T3	5.3.3	apporved
TP-020115	CRs to TS 31.113 **for approval**	T3	5.3.3	approved
TP-020116	CRs to TS 31.114 **for approval**	T3	5.3.3	approved
TP-020117	CRs to TS 31.121 **for approval**	T3	5.3.3	approved
TP-020118	CRs to TS 31.122 **for approval**	T3	5.3.3	approved
TP-020119	CRs to TR 31.900 **for approval**	T3	5.3.3	approved
TP-020120	CRs to TS 43.019 **for approval**	T3	5.3.3	approved
TP-020121	CRs to TS 51.011 **for approval**	T3	5.3.3	approved
TP-020122	Work item description on TS 11.13 for REL-5 **for approval**	T3	5.3.3	approved
TP-020123	SIM toolkit test specification for information	T3	5.3.4	noted
TP-020124	TS 31.103 Characteristics of the ISIM Application, REL-5 **for approval**	T3	5.3.3	approved
TP-020125	Version of TS 31.111- based on CAT specification TS 102 223	T3	5.3.4	noted

TP-020126	TS 31.115 REL-6: Secured packet structure for (U)SIM Toolkit applications **for approval**	T3	5.3.3	approved
TP-020127	TS 31.116 REL-6: Remote APDU Structure for (U)SIM Toolkit applications **for approval**	T3	5.3.3	approved
TP-020128	TS 51.013 REL-4: Test specification for SIM API for Java Card ™	T3	5.3.4	noted
TP-020129	T3 report at T#16	T3	5.3.1	noted
TP-020130	LS from T3 to T2 cc T on data inconsistency related to MMS support on the USIM	T3-020352	4.1	noted
TP-020131	LS from T3 to T on concatenated SMs handling on the UICC	T3-020378	4.1	noted
TP-020132	LS from T3 to T on an error discovered in TS 11.11 and TS 51.011	T3-020382	4.1	noted
TP-020133	LS from T3 to T2 cc T on MMS UA Behaviour with Respect to Handling MMS Parameters on the USIM	T3-020411	4.1	noted
TP-020134	Approval of T3-020085 CR 13 to 43.019	TSG-T Vice Chairman (Kevin Holley)	5.3.3	noted
TP-020135	Presentation on T1 activities	T1 chairman	5.1.1	noted
TP-020136	Draft report T1#15	ETSI MCC	5.1.1	noted
TP-020137	T1 work items **for approval**	T1	5.1.3	apporved
TP-020138	TTCN report June 02 **for approval**	ETSI MCC	5.1.1	approved
TP-020139	CRs 34.121 **for approval**	T1	5.1.3	approved
TP-020140	CRs 34.122 **for approval**	T1	5.1.3	approved
TP-020141	CRs 34.108 **for approval**	T1	5.1.3	approved
TP-020142	CRs 34.123-1 package 1 **for approval**	T1	5.1.3	approved
TP-020143	CRs 34.123-1 other packages **for approval**	T1	5.1.3	approved
TP-020144	CRs 34.123-2 **for approval**	T1	5.1.3	approved
TP-020145	CRs to 34.123-1 for creation of Rel-5 **for approval**	T1	5.1.3	approved except CR255 which was revised in 164
TP-020146	CRs to 34.123-2 for creation of Rel-5 **for approval**	T1	5.1.3	approved except CR072 which was revised in 165
TP-020147	The 3rd Call for the TTCN voluntary contributions in 2002 for the MCC Task 160 in development and maintenance of ATSs/PIXIT/ for 3GPP UE R99	ETSI	4.2	noted
TP-020148	CR 009 to 21.101: "Correction to list of specs"	MCC	6	noted
TP-020149	CR 006 to 21.102: "Correction to list of specs"	MCC	6	noted
TP-020150	21.103 v2.0.0	MCC	6	noted
TP-020151	CR 006 to 01.01: "GSM Release 1999 specifications.	MCC	6	noted
TP-020152	CR 005 to 41.102: "GSM Release 4 Specifications"	MCC	6	noted
TP-020153	41.103 v2.0.0	MCC	6	noted
TP-020154	Specs status list prior to TSGs#16	MCC	6	noted
TP-020155	List of specs / releases	MCC	6	noted
TP-020156	review of 3GPP work plan (slides)	MCC	6	noted
TP-020157	3GPP work plan	MCC	6	noted
TP-020158	CR069 to 23.140 MMS MM7 stage 3	T2	5.2.3	approved
TP-020159	3GPP MBMS Workshop, 6-7 May 2002, London, United Kingdom	MCC	4.1	noted
TP-020160	Proposed revised CR cover sheet (for info at T, approval at SA)	MCC	6	noted
TP-020161	IPv6 work status	Nokia	4.1	noted
TP-020162	T2 status report (slides)	T2 chairman	5.2.1	noted
TP-020163	LS to T3 on TP-DCS values for SIM data download	T2-020529	5.2.3	noted
TP-020164	revised CR255 to 34.123-1 (revised from 145)	T1	5.1.3	approved
TP-020165	revised CR072 to 34.123-2 (revised from 146)	T1	5.1.3	approved
TP-020166	Letter of support for the candidature of Nigel Barnes as chairman of T3	Motorola	5.3.4	noted
TP-020167	CRs to TS 11.11 and TS 51.011	T3	5.3.3	approved
TP-020168	LS to CN1 cc RAN2 , GERAN 1 on an error discovered in TS 11.11 and TS 51.011	Motorola	7	approved
TP-020169	Criteria for T2 to commence detailed discussion on a new classmark	TSG-T	5.2.3	revised to 170
TP-020170	Criteria for T2 to commence detailed discussion on a new classmark	TSG-T	5.2.3	approved

ANNEX D   **List of change requests presented to TSG-T #16**

This data is an extract from the 3GPP CR database. The database, which contains a full history of all CRs to all 3GPP specifications can be found on the 3GPP server (in MS Access 97 format) under the directory: ftp://ftp.3gpp.org/Information/Databases/Change_Request

Spec	CR	Rev	Rel	Plenary doc	TSG-Status	Subject	Cat	Version - Current	Version -New	WG	WG tdoc	Workitem
03.19	A018		R99	TP-020110	approved	Clarification of MEProfile behaviour	F	8.3.0	8.4.0	T3	T3-020387	SIM API
03.19	A019		R99	TP-020110	approved	Correction of getSecuredDataOffset() method description for SMS-CB.	F	8.3.0	8.4.0	T3	T3-020391	SIM API
11.11	A131	-	99	TP-020167	approved	The identifier of EFRPLMNAcT (RPLMN Last used Access Technology) is inconsistent within the specification	F	8.6.0	8.7.0	T3	T3-020428	TEI
11.14	A210	-	R99	TP-020111	approved	Correction of Terminal Response references	F	8.10.0	8.11.0	T3	T3-020353	SIM toolkit
11.14	A211	-	R99	TP-020111	approved	Correction to OPEN CHANNEL for GPRS	F	8.10.0	8.11.0	T3	T3-020391	SIM toolkit
23.040	054	-	Rel-5	TP-020104	approved	Clarification of the requirement for type 0 Short Messages	C	5.3.0	5.4.0	T2	T2-020580	TEI5
23.040	052	-	R99	TP-020104	approved	Clarification of the requirement for type 0 Short Messages	F	3.8.0	3.9.0	T2	T2-020578	TEI
23.040	055	-	Rel-5	TP-020104	approved	Occurrence of the Reply Address Element	F	5.3.0	5.4.0	T2	T2-020565	TEI5
23.040	057	-	Rel-5	TP-020104	approved	WVG Corrections and Clarifications	F	5.3.0	5.4.0	T2	T2-020553	MESS5-EMS
23.040	049	-	Rel-5	TP-020104	approved	Clarification of bit value combinations within TP-PI	F	5.3.0	5.4.0	T2	T2-020488	TEI5
23.040	051	-	Rel-5	TP-020104	approved	TP-DCS values for SIM data download	F	5.3.0	5.4.0	T2	T2-020528	TEI5
23.040	056	-	Rel-5	TP-020104	approved	WVG Corrections and Clarifications	F	5.3.0	5.4.0	T2	T2-020552	MESS5-EMS
23.040	058	-	Rel-5	TP-020104	approved	WVG Clarifications for websafe color	F	5.3.0	5.4.0	T2	T2-020554	MESS5-EMS
23.040	053	-	Rel-4	TP-020104	approved	Clarification of the requirement for type 0 Short Messages	A	4.6.0	4.7.0	T2	T2-020579	TEI4
23.040	060	-	Rel-5	TP-020104	approved	Allow angle applied to special shape grid for consistency with other special shape elements	F	5.3.0	5.4.0	T2	T2-020567	MESS5-EMS
23.040	050	-	Rel-5	TP-020104	approved	References to the TP-RD bit	F	5.3.0	5.4.0	T2	T2-020490	TEI5
23.040	059	-	Rel-5	TP-020104	approved	Add repeat and bouncing to Standard Animation for consistency with Simple Animation	F	5.3.0	5.4.0	T2	T2-020568	MESS5-EMS
23.041	009	-	R99	TP-020104	approved	Update of references	F	3.4.0	3.5.0	T2	T2-020512	TEI
23.041	010	-	Rel-4	TP-020104	approved	Update of references	F	4.2.0	4.3.0	T2	T2-020509	TEI4
23.057	118	-	Rel-6	TP-020102	approved	Restructuring of the MExE-specification	D	5.0.0	6.0.0	T2	T2-020393	MEXE6-ENHANC
23.140	082	-	Rel-5	TP-020105	approved	Correction of incomplete/inconsistent MM4 interface responsibility allocation for delivery reports.	F	5.2.0	5.3.0	T2	T2-020570	MESS5-MMS
23.140	067	-	Rel-5	TP-020105	approved	Charged Party Indication on MM7	B	5.2.0	5.3.0	T2	T2-020533	MESS5-MMS
23.140	071	-	R99	TP-020105	approved	Encapsulation of a short message (SMS) in a multimedia message (MMS)	F	3.0.1	3.1.0	T2	T2-020544	MMS
23.140	070	-	Rel-5	TP-020105	approved	Correction to MM7 Stage 2 on Address Visibility in Sender and Recipient IEs	F	5.2.0	5.3.0	T2	T2-020536	MESS5-MMS
23.140	079	-	Rel-5	TP-020105	approved	Additional information elements for the MM1 abstract messages.	F	5.2.0	5.3.0	T2	T2-020560	MESS5-MMS
23.140	072	-	Rel-4	TP-020105	approved	Encapsulation of a short message (SMS) in a multimedia message (MMS)	A	4.6.0	4.7.0	T2	T2-020545	MMS
23.140	077	-	Rel-5	TP-020105	approved	Alignment of 3GPP TS 23.140 with 3GPP TS 26.140	F	5.2.0	5.3.0	T2	T2-020551	MESS5-MMS
23.140	065	-	Rel-5	TP-020105	approved	Parameters for CDR creation related to VASP/VAS connectivity via MM7	F	5.2.0	5.3.0	T2	T2-020511	MESS5-MMS

23.140	068	-	Rel-5	TP-020105	approved	MM1 - MM7 and MM4 - MM7 header mapping	B	5.2.0	5.3.0	T2	T2-020534	MESS5-MMS
23.140	069	-	Rel-5	TP-020158	approved	MM7 stage 3	B	5.2.0	5.3.0	T2	T2-020587	MESS5-MMS
23.140	066	-	Rel-5	TP-020105	approved	Automatic Bearer Selection for MMS	B	5.2.0	5.3.0	T2	T2-020586	MESS5-MMS
23.140	080	-	Rel-5	TP-020105	approved	Clarifications	F	5.2.0	5.3.0	T2	T2-020563	MESS5-MMS
23.140	078	-	Rel-5	TP-020105	approved	Binary Encoding of MMS Connectivity Information for storage on the USIM	F	5.2.0	5.3.0	T2	T2-020559	MESS5-MMS
23.140	076	-	Rel-5	TP-020105	approved	Clarification of Persistent Network-based Storage: Store Status and Store Status Text throughout MM1 Reference Point	F	5.2.0	5.3.0	T2	T2-020549	MESS5-MMS
23.140	073	-	Rel-5	TP-020105	approved	Encapsulation of a short message (SMS) in a multimedia message (MMS)	A	5.2.0	5.3.0	T2	T2-020550	MESS5-MMS
23.140	074	-	Rel-5	TP-020105	approved	MM1 and MM7 Interfaces: Message Distribution Indicator.	B	5.2.0	5.3.0	T2	T2-020547	MESS5-MMS
23.140	075	-	Rel-5	TP-020105	approved	Consistent terminology	F	5.2.0	5.3.0	T2	T2-020548	MESS5-MMS
23.140	081	-	Rel-5	TP-020105	approved	Definition of Message Size in a CDR	F	5.2.0	5.3.0	T2	T2-020564	MESS5-MMS
27.005	003	-	R99	TP-020103	approved	Correction in description of +CNMA	F	3.1.0	3.2.0	T2	T2-020438	TEI
27.005	004	-	Rel-4	TP-020103	approved	Correction in description of +CNMA	A	4.1.0	4.2.0	T2	T2-020439	TI-ATC
27.007	085	-	Rel-6	TP-020103	approved	Enhancement of AT command +CIND to indicate SMS rejection	B	5.1.0	6.0.0	T2	T2-020429	TEI6
31.102	112		R99	TP-020112	approved	CMI - Alignment with TS 11.11 R99	F	3.8.0	3.9.0	T3	T3-020414	UICC1
31.102	114		Rel-5	TP-020112	approved	CMI - Alignment with TS 51.011 REL-5	F	5.0.0	5.1.0	T3	T3-020416	UICC1
31.102	111		Rel-4	TP-020112	approved	Handling of different sets of connectivity parameters and automatic bearer selection	F	4.4.0	4.5.0	T3	T3-020423	UICC1
31.102	113		Rel-4	TP-020112	approved	CMI - Alignment with TS 51.011 REL-4	F	4.4.0	4.5.0	T3	T3-020415	UICC1
31.102	108		Rel-4	TP-020112	approved	Essential clarifications and corrections	F	4.4.0	4.5.0	T3	T3-020336	UICC1
31.102	109		Rel-5	TP-020112	approved	Essential clarifications and corrections	F	5.0.0	5.1.0	T3	T3-020337	UICC1
31.102	110		Rel-5	TP-020112	approved	Handling of different sets of connectivity parameters and automatic bearer selection	F	5.0.0	5.1.0	T3	T3-020422	UICC1
31.111	065		Rel-4	TP-020113	approved	Miscellaneous corrections	F	4.6.0	4.7.0	T3	T3-020354	TEI
31.111	067		R99	TP-020113	approved	Correction to OPEN CHANNEL for GPRS	F	3.7.0	3.8.0	T3	T3-020368	USAT1
31.111	069		Rel-5	TP-020113	approved	Correction to OPEN CHANNEL for GPRS	F	5.0.0	5.1.0	T3	T3-020370	USAT1
31.111	068		Rel-4	TP-020113	approved	Correction to OPEN CHANNEL for GPRS	F	4.6.0	4.7.0	T3	T3-020369	USAT1
31.111	066		Rel-5	TP-020113	approved	Miscellaneous corrections	F	5.0.0	5.1.0	T3	T3-020355	TEI
31.111	070		R99	TP-020113	approved	Correction of PDP context description in Channel Status TLV	F	3.7.0	3.8.0	T3	T3-020372	USAT1
31.112	002		Rel-5	TP-020114	approved	Removal of "session mode"	F	5.1.0	5.2.0	T3	T3-020340	USAT1-Interpr
31.113	013		Rel-5	TP-020115	approved	Clarification of the Terminal Response Handler Mechanism	F	5.2.0	5.3.0	T3	T3-020346	USAT1-Interpr
31.113	012		Rel-5	TP-020115	approved	Error on access to permanent variable	F	5.2.0	5.3.0	T3	T3-020345	USAT1-Interpr
31.113	011		Rel-5	TP-020115	approved	Removal of ciphering of the One Time Password	F	5.2.0	5.3.0	T3	T3-020344	USAT1-Interpr
31.113	010		Rel-5	TP-020115	approved	Clarification of history management	F	5.2.0	5.3.0	T3	T3-020343	USAT1-Interpr
31.113	015		Rel-6	TP-020115	approved	Addition of error handling	B	5.2.0	6.0.0	T3	T3-020350	USAT1-Interpr
31.113	017		Rel-5	TP-020115	approved	Clarification of the Assign and Branch command	F	5.2.0	5.3.0	T3	T3-020341	USAT1-Interpr
31.113	016		Rel-6	TP-020115	approved	Addition of functionality for security plug-ins	B	5.2.0	6.0.0	T3	T3-020351	USAT1-Interpr
31.113	009		Rel-5	TP-020115	approved	Miscellaneous corrections and clarifications on the specification.	F	5.2.0	5.3.0	T3	T3-020342	USAT1-Interpr
31.113	014		Rel-6	TP-020115	approved	Terminal Response Handler Modifier "remove" attribute enhancements	B	5.2.0	6.0.0	T3	T3-020349	USAT1-Interpr
31.114	001		Rel-5	TP-020116	approved	Clarification on the USAT Interpreter behaviour if the indicated access mode of a gateway originated message does not match with the tag in	F	5.0.0	5.1.0	T3	T3-020347	USAT1-Interpr

						transport layer						
31.114	002		Rel-5	TP-020116	approved	Proof of Receipt management modification	C	5.0.0	5.1.0	T3	T3-020348	USAT1-Interpr
31.121	006		R99	TP-020117	approved	Correction of tests using EF (USIM Service Table)	F	3.1.0	3.2.0	T3	T3-020400	TEI
31.121	007		Rel-4	TP-020117	approved	Correction of tests using EF (USIM Service Table)	F	4.0.0	4.1.0	T3	T3-020401	TEI
31.122	007		R99	TP-020118	approved	General Corrections	F	3.2.0	3.3.0	T3	T3-020426	TEI
31.122	008		R99	TP-020118	approved	Removal of test for use of procedure byte '61xx' for case 2 commands	F	3.2.0	3.3.0	T3	T3-020425	TEI
31.900	006		Rel-5	TP-020119	approved	Extension of Annex C - SIM/USIM file mapping table	F	5.0.0	5.1.0	T3	T3-020333	UICC1
31.900	008		Rel-5	TP-020119	approved	Health warning concerning possibly different file IDs in SIM and USIM	D	5.0.0	5.1.0	T3	T3-020420	UICC1
31.900	007		Rel-5	TP-020119	approved	FDN and BDN interworking mechanism between GSM and 3G	D	5.0.0	5.1.0	T3	T3-020419	UICC1
34.108	096		R99	TP-020141	approved	Correction to clause 7.3.3.4 RADIO BEARER SETUP message	F	3.7.1	3.8.0	T1	T1-020271	
34.108	100		R99	TP-020141	approved	Test USIM	F	3.7.1	3.8.0	T1	T1-020275	
34.108	109		Rel-4	TP-020141	approved	Correction to clause 7.3.3.4 RADIO BEARER SETUP message	A	4.2.1	4.3.0	T1	T1-020291	TEI
34.108	118		Rel-4	TP-020141	approved	WCDMA1800 additions for Rel4	A	4.2.1	4.3.0	T1	T1-020300	TEI
34.108	105		R99	TP-020141	approved	WCDMA1800 additions for Rel'99	F	3.7.1	3.8.0	T1	T1-020280	
34.108	110		Rel-4	TP-020141	approved	Change of RM attribute of DL:3.4 kbps SRBs for DCCH in for REL4	A	4.2.1	4.3.0	T1	T1-020292	TEI
34.108	107		R99	TP-020141	approved	Section 9.1, Inclusion of Default message contents for TDD Rel 99(TS34.108)	F	3.7.1	3.8.0	T1	T1-020282	
34.108	117		Rel-4	TP-020141	approved	Correction to clause 6.1 for Rel4	A	4.2.1	4.3.0	T1	T1-020299	TEI
34.108	106		R99	TP-020141	approved	Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD	F	3.7.1	3.8.0	T1	T1-020281	
34.108	121		Rel-4	TP-020141	approved	Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	A	4.2.1	4.3.0	T1	T1-020434	TEI
34.108	102		R99	TP-020141	approved	Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	F	3.7.1	3.8.0	T1	T1-020277	
34.108	101		R99	TP-020141	approved	Section 6.1 (SIBs)Rel 99 TDD	F	3.7.1	3.8.0	T1	T1-020276	
34.108	116		Rel-4	TP-020141	approved	Correction to default message in clause 9 for Rel4	A	4.2.1	4.3.0	T1	T1-020298	TEI
34.108	111		Rel-4	TP-020141	approved	New additional RAB configuration (R1-020669) for REL4	A	4.2.1	4.3.0	T1	T1-020293	TEI
34.108	113		Rel-4	TP-020141	approved	Test USIM	A	4.2.1	4.3.0	T1	T1-020295	TEI
34.108	112		Rel-4	TP-020141	approved	Correction of Puncturing Limit for RABs for REL4	A	4.2.1	4.3.0	T1	T1-020294	TEI
34.108	119		Rel-4	TP-020141	approved	Section 9.1 Default message contents for TDD (3.84 Mcps and 1.28 Mcps) R4	F	4.2.1	4.3.0	T1	T1-020301	TEI, LCRTDD
34.108	120		R99	TP-020141	approved	Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	F	3.7.1	3.8.0	T1	T1-020433	
34.108	099		R99	TP-020141	approved	Correction of Puncturing Limit for RABs in TS34.108 for R99	F	3.7.1	3.8.0	T1	T1-020274	
34.108	098		R99	TP-020141	approved	New additional RAB configuration (R1-020669) for R99	F	3.7.1	3.8.0	T1	T1-020273	
34.108	114		Rel-4	TP-020141	approved	Section 6.1 (SIBs)Rel 4 (3.84 Mcps and 1.28 Mcps TDD)	F	4.2.1	4.3.0	T1	T1-020296	TEI, LCRTDD
34.108	103		R99	TP-020141	approved	Correction to default message on clause 9 for Rel'99	F	3.7.1	3.8.0	T1	T1-020278	
34.108	097		R99	TP-020141	approved	Change of RM attribute of DL:3.4 kbps SRBs for DCCH in TS34.108 for R99	F	3.7.1	3.8.0	T1	T1-020272	
34.108	108		Rel-4	TP-020141	approved	Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD (3.84 Mcps and 1.28 Mcps)	F	4.2.1	4.3.0	T1	T1-020289	TEI, LCRTDD
34.108	104		R99	TP-020141	approved	Correction to clause 6.1for Rel'99	F	3.7.1	3.8.0	T1	T1-020279	
34.108	115		Rel-4	TP-020141	approved	Section 6.10 References for TDD about Clarification of bit rate of	A	4.2.1	4.3.0	T1	T1-020297	TEI

						Interactive/Background PS RAB						
34.121	157		R99	TP-020139	approved	Inter-system Handover from UTRAN FDD to GSM	F	3.8.0	3.9.0	T1	T1-020240	
34.121	166		R99	TP-020139	approved	Addition of details for RRM test case 8.3.1	F	3.8.0	3.9.0	T1	T1-020249	
34.121	162		R99	TP-020139	approved	UTRAN to GSM cell reselection: CR for annex F.4	F	3.8.0	3.9.0	T1	T1-020245	
34.121	151		R99	TP-020139	approved	Removal of "AFC On" reference from clause 5.3 Frequency Error test	F	3.8.0	3.9.0	T1	T1-020227	
34.121	170		R99	TP-020139	approved	UE RX TX time difference: CR for annex	F	3.8.0	3.9.0	T1	T1-020253	
34.121	174		R99	TP-020139	approved	Modification to the test case for RX spurious emissions in TS34.121	F	3.8.0	3.9.0	T1	T1-020268	
34.121	164		R99	TP-020139	approved	Addition of details for RRM test cases in 8.3.7.1 and 8.3.7.2 (Cell Re-selection in URA_PCH)	F	3.8.0	3.9.0	T1	T1-020247	
34.121	167		R99	TP-020139	approved	Addition of details for RRM test case 8.3.5.1	F	3.8.0	3.9.0	T1	T1-020250	
34.121	159		R99	TP-020139	approved	Cell reselection in idle mode: CR for testcase	F	3.8.0	3.9.0	T1	T1-020242	
34.121	155		R99	TP-020139	approved	Correction of Units of side conditions and test parameters	F	3.8.0	3.9.0	T1	T1-020238	
34.121	175		R99	TP-020139	approved	Editorial correction to Open Loop Power Control and Transmit ON/OFF Time mask in TS34.121	F	3.8.0	3.9.0	T1	T1-020422	
34.121	154		R99	TP-020139	approved	Correction of UE Tx Timing adjustment rate	F	3.8.0	3.9.0	T1	T1-020237	
34.121	147		R99	TP-020139	approved	Event triggered reporting in AWGN propagation conditions	F	3.8.0	3.9.0	T1	T1-020222	
34.121	171		R99	TP-020139	approved	Correction for SSDT test parameters and UL DPCCH slot format for performance	F	3.8.0	3.9.0	T1	T1-020265	
34.121	152		R99	TP-020139	approved	Correct reporting of neighbours in AWGN propagation conditions - inter frequency case	F	3.8.0	3.9.0	T1	T1-020235	
34.121	176		R99	TP-020139	approved	Corrections to ACLR in TS34.121	F	3.8.0	3.9.0	T1	T1-020423	
34.121	161		R99	TP-020139	approved	UTRAN to GSM cell reselection: CR for testcase	F	3.8.0	3.9.0	T1	T1-020244	
34.121	150		R99	TP-020139	approved	Correct reporting of neighbours in fading propagation conditions	F	3.8.0	3.9.0	T1	T1-020226	
34.121	153		R99	TP-020139	approved	Deletion of test case description 'Correct reporting of neighbours in Fading propagation conditions - Inter frequency case	F	3.8.0	3.9.0	T1	T1-020236	
34.121	156		R99	TP-020139	approved	Structure of subclause 8	F	3.8.0	3.9.0	T1	T1-020239	
34.121	163		R99	TP-020139	approved	Test parameters of FDD/FDD Hard Handover test case	F	3.8.0	3.9.0	T1	T1-020246	
34.121	148		R99	TP-020139	approved	Event triggered reporting of multiple neighbours in AWGN propagation conditions	F	3.8.0	3.9.0	T1	T1-020223	
34.121	172		R99	TP-020139	approved	Correction of UE FDD EVM definition	F	3.8.0	3.9.0	T1	T1-020266	
34.121	160		R99	TP-020139	approved	Cell reselection in idle mode: CR for annex F.4	F	3.8.0	3.9.0	T1	T1-020243	
34.121	169		R99	TP-020139	approved	UE RX TX time difference: CR for testcase	F	3.8.0	3.9.0	T1	T1-020252	
34.121	165		R99	TP-020139	approved	Addition of details for RRM test cases in 8.4.1 (RRC Re-establishment delay)	F	3.8.0	3.9.0	T1	T1-020248	
34.121	173		R99	TP-020139	approved	Clarification of Meaning of FDR	F	3.8.0	3.9.0	T1	T1-020267	
34.121	168		R99	TP-020139	approved	Addition of details for RRM test case 8.3.5.2	F	3.8.0	3.9.0	T1	T1-020251	
34.121	149		R99	TP-020139	approved	Event triggered reporting of two detectable neighbours in AWGN propagation conditions	F	3.8.0	3.9.0	T1	T1-020224	
34.121	145		R99	TP-020139	approved	Spectrum emission mask test case: Change to frequencies to be tested	F	3.8.0	3.9.0	T1	T1-020220	
34.121	158		R99	TP-020139	approved	UTRAN to GSM Cell Re-Selection: Change of minimum requirements	F	3.8.0	3.9.0	T1	T1-020241	
34.121	146		R99	TP-020139	approved	Power control in downlink, initial convergence	F	3.8.0	3.9.0	T1	T1-020221	
34.122	100		Rel-4	TP-020140	approved	Corrections to TDD/TDD Cell Re-selection in CELL_FACH state R4	A	4.3.0	4.4.0	T1	T1-020264	TEI
34.122	088		R99	TP-020140	approved	TDD/TDD Intra-frequency Handover R99	F	3.7.0	3.8.0	T1	T1-020255	

34.122	089		R99	TP-020140	approved	TDD/TDD Inter-frequency Handover R99	F	3.7.0	3.8.0	T1	T1-020257	
34.122	097		Rel-4	TP-020140	approved	TDD/TDD Inter-frequency Handover R4	A	4.3.0	4.4.0	T1	T1-020258	TEI
34.122	103		Rel-4	TP-020140	approved	Power Control in the Downlink for LCRTDD	F	4.3.0	4.4.0	T1	T1-020254	LCRTDD
34.122	092		R99	TP-020140	approved	Corrections to TDD/TDD Cell Re-selection in CELL_FACH state R99	F	3.7.0	3.8.0	T1	T1-020263	
34.122	101		Rel-4	TP-020140	approved	Power Control in the Downlink for HCR Rel4	A	4.3.0	4.4.0	T1	T1-020425	TEI
34.122	094		Rel-4	TP-020140	approved	Cell Re-selection in CELL_PCH test case Rel4	A	4.3.0	4.4.0	T1	T1-020233	TEI
34.122	099		Rel-4	TP-020140	approved	PCCPCH Measurement Performance R4	A	4.3.0	4.4.0	T1	T1-020262	TEI
34.122	096		Rel-4	TP-020140	approved	TDD/TDD Intra-frequency Handover R4	A	4.3.0	4.4.0	T1	T1-020256	TEI
34.122	095		Rel-4	TP-020140	approved	Cell Re-selection in URA_PCH test case Rel99	A	4.3.0	4.4.0	T1	T1-020234	TEI
34.122	098		Rel-4	TP-020140	approved	TDD/FDD Handover R4	A	4.3.0	4.4.0	T1	T1-020260	TEI
34.122	087		R99	TP-020140	approved	Cell Re-selection in URA_PCH test case Rel99	F	3.7.0	3.8.0	T1	T1-020230	
34.122	086		R99	TP-020140	approved	Cell Re-selection in CELL_PCH test case Rel99	F	3.7.0	3.8.0	T1	T1-020229	
34.122	091		R99	TP-020140	approved	PCCPCH Measurement Performance R99	F	3.7.0	3.8.0	T1	T1-020261	
34.122	102		Rel-4	TP-020140	approved	Inclusion and completion of re-selection test cases for LCRTDD	F	4.3.0	4.4.0	T1	T1-020231	LCRTDD
34.122	090		R99	TP-020140	approved	TDD/FDD Handover R99	F	3.7.0	3.8.0	T1	T1-020259	
34.122	093		R99	TP-020140	approved	Power Control in the Downlink for HCR Rel99	F	3.7.0	3.8.0	T1	T1-020424	
34.123-1	257		Rel-4	TP-020145	approved	Inclusion of pointer to maintained specification	F	4.2.0	4.3.0	T1	T1-020406	TEI
34.123-1	247		Rel-4	TP-020143	approved	Update of clause 8.3.2 URA Update to be applicable to 3.84 Mcps TDD and 1.28 Mcps TDD	F	4.2.0	4.3.0	T1	T1-020416	TEI, LCRTDD
34.123-1	184		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.1	F	4.2.0	4.3.0	T1	T1-020309	TEI
34.123-1	248		Rel-4	TP-020143	approved	New test for radio bearer	F	4.2.0	4.3.0	T1	T1-020417	TEI
34.123-1	178		Rel-4	TP-020143	approved	Update to GMM test cases	F	4.2.0	4.3.0	T1	T1-020303	TEI
34.123-1	237		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.23	F	4.2.0	4.3.0	T1	T1-020362	TEI
34.123-1	221		Rel-4	TP-020142	approved	Corrections to GMM test cases	F	4.2.0	4.3.0	T1	T1-020346	TEI
34.123-1	216		Rel-4	TP-020142	approved	Section 8.3.1 Connection Mobility Procedure TDD	F	4.2.0	4.3.0	T1	T1-020341	TEI, LCRTDD
34.123-1	231		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.12	F	4.2.0	4.3.0	T1	T1-020356	TEI
34.123-1	220		Rel-4	TP-020142	approved	Correction to clause 8.1 for package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020345	TEI
34.123-1	193		Rel-4	TP-020142	approved	Correction to test 7.2.3.4	D	4.2.0	4.3.0	T1	T1-020318	TEI
34.123-1	254		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.2.3.1	F	4.2.0	4.3.0	T1	T1-020413	TEI
34.123-1	200		Rel-4	TP-020143	approved	Removal of TC9.5.3 MM connection / establishment in non-security mode	F	4.2.0	4.3.0	T1	T1-020325	TEI
34.123-1	222		Rel-4	TP-020142	approved	Corrections to SM test cases	F	4.2.0	4.3.0	T1	T1-020347	TEI
34.123-1	203		Rel-4	TP-020142	approved	Clause 14; Update of stand-alone signalling radio bearer test cases	F	4.2.0	4.3.0	T1	T1-020328	TEI
34.123-1	210		Rel-4	TP-020143	approved	Additional test cases according to T1S-020099 State Transition	F	4.2.0	4.3.0	T1	T1-020335	TEI
34.123-1	179		Rel-4	TP-020143	approved	Correction to clause 8.3 except for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020304	TEI
34.123-1	183		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.2.1.1	F	4.2.0	4.3.0	T1	T1-020308	TEI
34.123-1	194		Rel-4	TP-020143	approved	Correction to RLC test case 7.2.3.28	F	4.2.0	4.3.0	T1	T1-020319	TEI
34.123-1	190		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.2	F	4.2.0	4.3.0	T1	T1-020315	TEI
34.123-1	251		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.2	F	4.2.0	4.3.0	T1	T1-020410	TEI
34.123-1	188		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.4	F	4.2.0	4.3.0	T1	T1-020313	TEI

34.123-1	177		Rel-4	TP-020143	approved	Modifications of MM test cases	F	4.2.0	4.3.0	T1	T1-020302	TEI	
34.123-1	229		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.13	F	4.2.0	4.3.0	T1	T1-020354	TEI	
34.123-1	228		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.5	F	4.2.0	4.3.0	T1	T1-020353	TEI	
34.123-1	205		Rel-4	TP-020143	approved	Correction to clause 8.2 except for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020330	TEI	
34.123-1	196		Rel-4	TP-020142	approved	Correction to clause 8.2 for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020321	TEI	
34.123-1	209		Rel-4	TP-020143	approved	Additional test cases according to T1S-020098 Hard Handover	F	4.2.0	4.3.0	T1	T1-020334	TEI	
34.123-1	211		Rel-4	TP-020143	approved	New test case for Incompatible Simultaneous Security Reconfiguration	F	4.2.0	4.3.0	T1	T1-020336	TEI	
34.123-1	250		Rel-4	TP-020143	approved	Correction in test case 11.4.1 Error cases(34.123-1)	F	4.2.0	4.3.0	T1	T1-020419	TEI	
34.123-1	238		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.24	F	4.2.0	4.3.0	T1	T1-020363	TEI	
34.123-1	214		Rel-4	TP-020143	approved	Correction to HCS Cell Reseletion tests	F	4.2.0	4.3.0	T1	T1-020339	TEI	
34.123-1	191		Rel-4	TP-020142	approved	Correction to test 7.2.3.12	F	4.2.0	4.3.0	T1	T1-020316	TEI	
34.123-1	243		Rel-4	TP-020143	approved	Clause 7.2.3.31 RLC test case	F	4.2.0	4.3.0	T1	T1-020368	TEI	
34.123-1	195		Rel-4	TP-020142	approved	Clause 6; Updates to test cases for idle mode operations	F	4.2.0	4.3.0	T1	T1-020320	TEI	
34.123-1	227		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.2.7	F	4.2.0	4.3.0	T1	T1-020352	TEI	
34.123-1	255	1	Rel-5	TP-020164	approved	Section 16.1.6 & 16.2.6: Addition of test of short message type 0 (CS/PS) Rel5	F	4.2.0	5.0.0	T1		TEI	
34.123-1	239		Rel-4	TP-020142	approved	Conformance test 7.2.3.15	F	4.2.0	4.3.0	T1	T1-020364	TEI	
34.123-1	189		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.3	F	4.2.0	4.3.0	T1	T1-020314	TEI	
34.123-1	199		Rel-4	TP-020143	approved	Update to CC test cases	F	4.2.0	4.3.0	T1	T1-020324	TEI	
34.123-1	242		Rel-4	TP-020143	approved	Clause 7.2.3.30 RLC test case	F	4.2.0	4.3.0	T1	T1-020367	TEI	
34.123-1	215		Rel-4	TP-020143	approved	Changes to radio bearer tests in clause 14.4 Combinations on SCCPCH	F	4.2.0	4.3.0	T1	T1-020340	TEI	
34.123-1	201		Rel-4	TP-020142	approved	Correction of layer 2 setting for TM RBs , segmentation indication	F	4.2.0	4.3.0	T1	T1-020326	TEI	
34.123-1	224		Rel-4	TP-020143	approved	Correction to RLC conformance test 7.2.2.1	F	4.2.0	4.3.0	T1	T1-020349	TEI	
34.123-1	185		Rel-4	TP-020142	approved	General clarification of MAC testing conditions	F	4.2.0	4.3.0	T1	T1-020310	TEI	
34.123-1	232		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.14	F	4.2.0	4.3.0	T1	T1-020357	TEI	
34.123-1	234		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.17	F	4.2.0	4.3.0	T1	T1-020359	TEI	
34.123-1	241		Rel-4	TP-020143	approved	Clause 7.2.3.29 RLC test case	F	4.2.0	4.3.0	T1	T1-020366	TEI	
34.123-1	225		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.2.3	F	4.2.0	4.3.0	T1	T1-020350	TEI	
34.123-1	252		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.8	F	4.2.0	4.3.0	T1	T1-020411	TEI	
34.123-1	187		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.5	F	4.2.0	4.3.0	T1	T1-020312	TEI	
34.123-1	219		Rel-4	TP-020142	approved	Correction to clause 8.3 for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020344	TEI	
34.123-1	253		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.34	F	4.2.0	4.3.0	T1	T1-020412	TEI	
34.123-1	233		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.16	F	4.2.0	4.3.0	T1	T1-020358	TEI	
34.123-1	204		Rel-4	TP-020143	approved	Correction of abbreviations reference	F	4.2.0	4.3.0	T1	T1-020329	TEI	
34.123-1	245		Rel-4	TP-020143	approved	Update of package 2: RB test cases according to new ref RB test method	F	4.2.0	4.3.0	T1	T1-020414	TEI	
34.123-1	208		Rel-4	TP-020143	approved	Addition of generic test procedure to Annex C of TS 34.123-1	F	4.2.0	4.3.0	T1	T1-020333	TEI	
34.123-1	223		Rel-4	TP-020143	approved	CR to clause 3.1	F	4.2.0	4.3.0	T1	T1-020348	TEI	
34.123-1	181		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.2.4a	F	4.2.0	4.3.0	T1	T1-020306	TEI	
34.123-1	236		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.20	F	4.2.0	4.3.0	T1	T1-020361	TEI	

Spec	CR	Rev	Rel	Doc	Status	Subject	Cat	Ver	Ver2	WG	Tdoc	WI
34.123-1	217		Rel-4	TP-020143	approved	Test case for approved new bearers	F	4.2.0	4.3.0	T1	T1-020342	TEI
34.123-1	192		Rel-4	TP-020142	approved	Correction to test 7.2.3.18	F	4.2.0	4.3.0	T1	T1-020317	TEI
34.123-1	198		Rel-4	TP-020142	approved	Correction to test cases 9.2.3 and 9.2.4	F	4.2.0	4.3.0	T1	T1-020323	TEI
34.123-1	246		Rel-4	TP-020143	approved	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (40 ms TTI) – Correction to 14.2.23c	F	4.2.0	4.3.0	T1	T1-020415	TEI
34.123-1	235		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.19	F	4.2.0	4.3.0	T1	T1-020360	TEI
34.123-1	206		Rel-4	TP-020143	approved	Correction to clause 8.4 except for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020331	TEI
34.123-1	182		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.2.5	F	4.2.0	4.3.0	T1	T1-020307	TEI
34.123-1	249		Rel-4	TP-020143	approved	Correction of conformance requirement in test case 11.1.4.3(34.123-1)	F	4.2.0	4.3.0	T1	T1-020418	TEI
34.123-1	255		Rel-5	TP-020145	revised	Section 16.1.6 & 16.2.6: Addition of test of short message type 0 (CS/PS) Rel5	F	4.2.0	5.0.0	T1	T1-020408	TEI
34.123-1	240		Rel-4	TP-020142	approved	Clause 7.2.3.18 RLC test case	F	4.2.0	4.3.0	T1	T1-020365	TEI
34.123-1	230		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.6	F	4.2.0	4.3.0	T1	T1-020355	TEI
34.123-1	197		Rel-4	TP-020143	approved	Clarification of messages sequences in MM test case 9.4.1.	F	4.2.0	4.3.0	T1	T1-020322	TEI
34.123-1	180		Rel-4	TP-020143	approved	Update of L2/PDCP testing in alignment to March version 2002	F	4.2.0	4.3.0	T1	T1-020305	TEI
34.123-1	256		Rel-5	TP-020145	approved	Creation of 34.123-1 REL-5	F	4.2.0	5.0.0	T1	T1-020404	TEI
34.123-1	218		Rel-4	TP-020142	approved	Correction to clause 8.4 for Package 1 of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020343	TEI
34.123-1	186		Rel-4	TP-020142	approved	Correction to MAC conformance test 7.1.1.8	F	4.2.0	4.3.0	T1	T1-020311	TEI
34.123-1	213		Rel-4	TP-020143	approved	Interfrequency Measurement for Events 2B and 2E – Correction to 8.4.1.25	F	4.2.0	4.3.0	T1	T1-020338	TEI
34.123-1	202		Rel-4	TP-020142	approved	Clause 14: Update of radio bearer test cases 14.2.39.x and 14.2.40 (introducing new RB test method)	F	4.2.0	4.3.0	T1	T1-020327	TEI
34.123-1	244		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.3.33	F	4.2.0	4.3.0	T1	T1-020369	TEI
34.123-1	226		Rel-4	TP-020142	approved	Correction to RLC conformance test 7.2.2.6	F	4.2.0	4.3.0	T1	T1-020351	TEI
34.123-1	212		Rel-4	TP-020143	approved	New test case for Signalling Connection Release test case	F	4.2.0	4.3.0	T1	T1-020337	TEI
34.123-1	207		Rel-4	TP-020143	approved	Correction to Annex.A of TS34.123-1	F	4.2.0	4.3.0	T1	T1-020332	TEI
34.123-2	063		Rel-4	TP-020144	approved	Modifications of applicability table for MM test cases	F	4.2.0	4.3.0	T1	T1-020374	TEI
34.123-2	064		Rel-4	TP-020144	approved	Removal of TC9.5.3 MM connection / establishment in non-security mode	F	4.2.0	4.3.0	T1	T1-020375	TEI
34.123-2	069		Rel-4	TP-020144	approved	Update of Table of Aplicability of tests for RRC connection mobility procedure, 8.3.2 for TDD (both modes)	F	4.2.0	4.3.0	T1	T1-020380	TEI, LCRTDD
34.123-2	067		Rel-4	TP-020144	approved	Correction of applicability table for test case 11.1.4.1.2.3(34.123-2)	F	4.2.0	4.3.0	T1	T1-020378	TEI
34.123-2	072	1	Rel-5	TP-020165	approved	Section 4, Table 1: Addition of test of short message type 0 (16.1.6 & 16.2.6) Rel5	F	4.2.0	5.0.0	T1		TEI
34.123-2	062		Rel-4	TP-020144	approved	Update applicability table for new test cases	F	4.2.0	4.3.0	T1	T1-020373	TEI
34.123-2	068		Rel-4	TP-020144	approved	Update to ICS for GMM	F	4.2.0	4.3.0	T1	T1-020379	TEI
34.123-2	074		Rel-4	TP-020146	approved	Inclusion of pointer to maintained specification	F	4.2.0	4.3.0	T1	T1-020407	TEI
34.123-2	061		Rel-4	TP-020144	approved	Update of Table of Applicability of tests for RRC connection mobility procedure, 8.3.1 Cell Update for TDD (both modes)	F	4.2.0	4.3.0	T1	T1-020372	TEI, LCRTDD
34.123-2	066		Rel-4	TP-020144	approved	Update of applicability table for test case 11.1.4.3(34.123-2)	F	4.2.0	4.3.0	T1	T1-020377	TEI
34.123-2	070		Rel-4	TP-020144	approved	Correction of formal error in TS34.123-2v420/Table1	F	4.2.0	4.3.0	T1	T1-020381	TEI
34.123-2	071		Rel-4	TP-020144	approved	Corrections to R'4 RRC test cases applicability	F	4.2.0	4.3.0	T1	T1-020382	TEI
34.123-2	072		Rel-5	TP-020146	revised	Section 4, Table 1: Addition of test of short message type 0 (16.1.6 & 16.2.6) Rel5	F	4.2.0	5.0.0	T1	T1-020409	TEI

34.123-2	073		Rel-5	TP-020146	approved	Creation of 34.123-2 REL-5	F	4.2.0	5.0.0	T1	T1-020405	TEI
34.123-2	065		Rel-4	TP-020144	approved	Correction of applicability condition C17 in Table A.20:Aditional information	F	4.2.0	4.3.0	T1	T1-020376	TEI
34.123-2	060		Rel-4	TP-020144	approved	Applicability for New RRC test cases	F	4.2.0	4.3.0	T1	T1-020371	TEI
34.123-2	059		Rel-4	TP-020144	approved	Update of applicability table for RRC Paging test case	F	4.2.0	4.3.0	T1	T1-020370	TEI
43.019	018		Rel-5	TP-020120	approved	Approved CRs not correct integrated in the current version	F	5.2.0	5.3.0	T3	T3-020390	USAT1-API-JAVA
43.019	016		Rel-4	TP-020120	approved	Clarification of MEProfile behaviour	F	4.1.0	4.2.0	T3	T3-020388	USAT1-API-JAVA
43.019	019		Rel-4	TP-020120	approved	Correction of getSecuredDataOffset() method description for SMS-CB.	F	4.1.0	4.2.0	T3	T3-020392	USAT1-API-JAVA
43.019	020		Rel-5	TP-020120	approved	Correction of getSecuredDataOffset() method description for SMS-CB.	F	5.2.0	5.3.0	T3	T3-020393	USAT1-API-JAVA
43.019	017		Rel-5	TP-020120	approved	Clarification of MEProfile behaviour	F	5.2.0	5.3.0	T3	T3-020389	USAT1-API-JAVA
43.019	013		Rel-5	TP-020120	approved	Introduction of Concatenated Short Messages in SMS Point to Point.	B	5.2.0	5.3.0	T3	T3-020085	USAT1-API-JAVA
51.011	010	-	Rel-4	TP-020167	approved	The identifier of EFRPLMNAcT (RPLMN Last used Access Technology) is inconsistent within the specification	F	4.3.0	4.4.0	T3	T3-020427	TEI
51.011	009		Rel-4	TP-020121	approved	The EFCNL and EFDCK are missed in the Figure "Files identifiers and directory structures of GSM	F	4.3.0	4.4.0	T3	T3-020338	SIM-ME

ANNEX E   List of all officials within TSG-T

This table lists all chairman and vice chairman of all working groups and sub-working groups within the Terminals TSG.

Position	Name	Organisation	Partner	Email	Tel
TSG-T (Terminals)					
Chair	Sang-Keun PARK	Samsung	TTA	skpark@samsung.com	+82 3312809835
Vice chair	Ed EHRLICH	Nokia Corporation	T1	ed.ehrlich@nokia.com	+1 972 894 4495
Vice chair	Kevin HOLLEY	mmO2	ETSI	kevin.holley@o2.com	+44 1473 605604
Secretary	Friedhelm RODERMUND	MCC (3GPP support)	3GPP	rodermund@etsi.fr	+33 4 9294 4324
TSG-T WG1 (UE testing)					
Chair	Bjarke NIELSEN	Qualcomm Europe	ETSI	bnielsen@qualcomm.com	+49 170 5488456
Vice chair	Peter GEORGE	Anritsu Ltd	ETSI	Peter.George@eu.anritsu.com	+44 777 5704722
Vice chair	Hisashi NAKAGOMI	NTT DoCoMo	ARIB	hisashi@cet.yrp.nttdocomo.co.jp	+81 468 40 3100
Secretary	Lidia SALMERON	ETSI (3GPP support)	3GPP	salmeron@etsi.fr	+33 4 9294 4349
- RF Sub Working Group					
Chair	Kunitoshi YONEKURA	Fujitsu	ARIB	yonekura@jp.fujitsu.com	+81 44 754 3865
Vice chair	Edgar GUILLOT	France Telecom	ETSI	edgar.guillot@rd.francetelecom.fr	+33 2 9605 7855
- Signalling Sub Working Group					
Chair	Dan FOX	Anritsu Ltd	ETSI	dan.fox@eu.anritsu.com	+44 1582 433357
Vice chair	Kazuo HAYASHI	Matsushita	ARIB	kazuo.hayashi@yrp.mci.mei.co.jp	+81 0468 40 5542
TSG-T WG2 (UE capabilities)					
Chair	Ian Harris	Teleca Ltd.	ETSI	ian.harris@teleca.com	+44 1225 481 188
Vice chair	Peter NEUMANN	Siemens	ETSI	peter.neumann@mch.siemens.de	+49 89 7223 6718
Vice chair	Gunilla Bratt	Ericsson	ETSI	gunilla.bratt@ecs.ericsson.se	+46 46 193 729
Secretary	Friedhelm RODERMUND	MCC (3GPP support)	3GPP	rodermund@etsi.fr	+33 4 9294 4324
- Mobile Execution Environment (MExE) (Sub Working Group 1)					
Chair	Lars BRENK	TTPCom	ETSI	lsb@ttpcom.com	+45 9631 4646
- UE Capabilities and Interfaces (Sub Working Group 2)					
Chair	Prem SOOD	Sharp	ARIB	pls@sharplabs.com	+1 360 834 8708
- Messaging (Sub Working Group 3)					
Chair	Josef LAUMEN	Siemens	ETSI	josef.laumen@sal.siemens.de	+49 53419062830
TSG-T WG3 (USIM)					
Chair	Klaus VEDDER	Giesecke & Devrient	ETSI	klaus.vedder@de.gi-de.co.de	+49 89 4119 1542
Vice chair	Nigel BARNES	Motorola	ETSI	nigel.barnes@motorola.com	+44 1256 790 169
Vice chair	Paul JOLIVET	DoCoMo Europe	ETSI	jolivet@docomo.fr	+33 1 5688 3030
Secretary	Claus Dietze	MCC (3GPP support)	3GPP	claus.dietze@etsi.fr	+33 4 9294 4290
- API Sub Working Group					
Chair	Paul JOLIVET	DoCoMo Europe	ETSI	jolivet@docomo.fr	+33 1 5688 3030

ANNEX F   3GPP email lists and server information

F.1 General

The 3GPP web site contains a lot of background information regarding the 3GPP. See http://www.3gpp.org/

F.2 Email lists

TSG-T has one email list called 3GPP_TSG_T. This is used to distribute all information related to TSG-T plenary. To subscribe to this list or to view the archives, go to: http://list.3gpp.org/3gpp_tsg_t.html The working groups under TSG-T all have several email lists as doo all other 3GPP groups. The complete list of email lists (including all lists for ETSI committees) can be found at http://list.3gpp.org/. Those lists relevant for the 3GPP all have a list name starting with "3GPP".

F.3 Sever location

All meeting invitations and documents are stored on the 3GPP FTP server. For TSG-T, the location is:
        ftp://ftp.3gpp.org/tsg_t/tsg_t/

In order to avoid the inconvenience of downloading documents one at a time and to make it easier to determine which documents/specifications have been added to the area since you last visited the 3GPP site, it is recommended that users obtain an FTP synchronisation utility such as FTPSync. This shareware tool can be downloaded   from   the   internet   at:
        http://www.fileware.com/download.htm

F.4 Other useful URLs

The following table lists the locations of some of the more commonly requested information:

3GPP (& ETSI) Meeting calendar	http://webapp.etsi.org/meetingcalendar/QueryForm.asp
All 3GPP (GSM and 3G) specifications	ftp://ftp.3gpp.org/specs/
Specification status database	ftp://ftp.3gpp.org/Information/Databases/Spec_Status
Change request database	ftp://ftp.3gpp.org/Information/Databases/Change_Request/
3GPP work plan	ftp://ftp.3gpp.org/Information/WORK_PLAN/
Document area for TSG-T WG1	ftp://ftp.3gpp.org/tsg_t/WG1_Test/
Document area for TSG-T WG2	ftp://ftp.3gpp.org/tsg_t/WG2_Capability/
Document area for TSG-T WG3	ftp://ftp.3gpp.org/tsg_t/WG3_USIM/