3GPP TSG-T (Terminals) Meeting #12
Stockholm, Sweden, 13 - 15 June 2001

Tdoc TP-010080

Technical Specification Group

TERMINALS

(TSG-T)

DRAFT v0.3

(Status: draft - to be presented for approval at TSG-T #12)

Meeting Report of TSG-T meeting #11
Palm Springs, 14 - 16 March 2001
Hosted by The North American Friends of 3GPP*

* (Aerial Communications, Airnet, Analog Devices, AT&T, BellSouth, CISCO Systems, Ericsson, Golden Bridge Technologies, GSM Alliance, InterDigital Communications, Lucent, Microcell Connexions, Morphics, Nokia, Nortel Networks, North America GSM Alliance, PMC – Sierra Inc., Sharp Laboratories, Siemens, Voicestream)

Contents

Chairman: Dr Sang-Keun Park (Samsung)
Vice-chairmen: Kevin Holley (BT) and Ed Ehrlich (Nokia Corporation)
Secretary: Michael Sanders (3GPP support team)
Host: The North American Friends of 3GPP

1 Opening of the Meeting and IPR reminder

The meeting was opened by Dr Sang-Keun Park at 09:00. On behalf of the hosts, Ed Ehrlich welcomed the delegates to Palm Springs.

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-010003 contains the draft agenda for TSG-T #11. It was approved without modification and can be found in annex A of this report.

3 Approval of the meeting report from TSG-T #10 meeting

TP-010001 contains the draft report of TSG-T #10. It was approved without further changes and made available with the words "draft" removed as in TP-010002.

4 Letters and reports from other groups, LS incoming

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

TP-010004 contains the draft report of the TSG-SA #10 held in Bangkok. During a presentation of the report, the following points were highlighted:

- TSG-SA endorsed the TSG-T #10 proposal that all rel-4 GSM only terminals should be mandated to support USIM functionality. T3 were asked to investigate the technical issues involved in doing this;
- Question on the Wideband AMR issue (?)

The report was noted.

TP-010005 is an LS from TSG-GERAN to T1 cc TSG-T on the subject of cell selection timing. It contains feedback on the cell selection timing test cases sent to GERAN by T1. The LS was noted.

TP-010006 is an LS from N1 to T3 and S1 cc TSG-T regarding the T3 feature "Enhancement of CPHS Network Operator Name Feature". The main feedback in the LS is regarding the requirement that there should be provision to control the activation of the HPLMN search for a given PLMN. This would mean that the given PLMN would be treated as if it was the HPLMN in the network selection procedures. They state such functionality would require changes to TS 23.122. T3 reviewed the LS during their last meeting and agreed not to include that requirement. The LS was noted.

TP-010007 is an LS from SA2 to T2, SA1, SA3, cc TSG-T regarding the UE functionality split over physical devices. SA2 stated that before they can start work on the architectural issues, SA1 needs to define the service requirements associated with items and scenarios of the discussion paper from T2. It was noted that there had been a T2/T3 ad hoc meeting on this subject and they had proposed a revision to some of the scenarios. See TP-010066 in section 5.3.1 of this report. The LS was noted.

TP-010009 is an LS from N4 to SA4 regarding their LS on default configurations for handover. They request feedback on whether the SA4 proposal will require a new codec type ID. It was concluded that T1 and T2 should also review this LS and report back to the next TSG-T meeting. The LS was noted.

TP-010010 contains the draft report of the 3GPP TSG-SA workshop on UE in idle mode, held in Helsinki on the 7 – 8 February 2001. The workshop was held to review and address PLMN selection, cell selection and handovers from a requirements and functional point of view. During a presentation of the report, the following points were noted:

- some mis-alignments between the CN and GERAN specifications were identified;
- a clarification to the file on the USIM used to store that RAT of the last PLMN. It seems that the T3 specification is not clear enough that this field is only relevant for GSM compact. Samsung took an action point during the workshop to raised a CR at the next T3 meeting;
- the GERAN chairman undertook to review the multimode report for impact on TSG-T specifications;

The report was noted.

TP-010011 is an LS from SA1 to T3 cc TSG-T regarding the introduction of features from the CPHS (Common PCS Handset Specification). T3 reviewed this LS at their last meeting and took into account all of the issues raised. The resulting CRs are dealt with in TP-010038 in section 5.3.3 of this report. The LS was noted.

TP-010012 is an LS from SA1 to T3 cc TSG-T regarding the introduction of the operator PLMN Name List. feature. T3 reviewed this LS at their last meeting and took into account all of the issues raised. The resulting CRs are dealt with in TP-010038 in section 5.3.3 of this report. The LS was noted.

TP-010013 is an LS from SA1 to TSG-T and other groups regarding the T2 paper on UE functionality split. See section 5.3.1 of this report for further information.

TP-010061 is an LS from SA3 to TSG-T and other groups regarding the T2 paper on UE functionality split. See section 5.3.1 of this report for further information.

TP-010063 contains a request for information for proposed ITU-T recommendations being developed by the special study group (SSG) on “IMT-2000 and beyond”. TP-010064 is an associated questionnaire. The list of specifications was reviewed and it was concluded that the TSG-T leaders would review the list of specifications and provide any other feedback to allow TSG-SA to elaborate a reply to the questionnaire.

TP-010065 is a report on the recent activities of the IETF which are relevant to the 3GPP. During a presentation of the report, the following points were noted:

- Charging /SA5: A liaison was established with the IETF AAA with the objective of influencing the accounting protocol, being developed by AAA, so that it satisfies the SA5 Charging rapporteur group requirements;
- Robust Header Compression: Major progress has been made in the IETF ROHC WG on the Robust Header Compression protocol. The IESG (Internet Engineering Steering Group) has now approved ROHC as proposed standard track;
- SIP: The problem with SIP adoption seems to be its slow standardization by IETF. The main SIP document is currently being updated by a new id draft-ietf-sip-rfc2543bis-01.txt;
- Smart Cards: IETF is examining the feasibility of specifying a TCP/IP stack for the smart card. It was noted that the rapporteur for this IETF work (Scott Guthery) also attends T3 meetings;
- Ipv6: the IETF may welcome an opportunity to review the 3GPP architecture plans for the use of IPv6.

The report was noted.

TP-010067 contains a draft list of topics that should be discussed in the forth coming meeting between the TSG leaders and the IETF.

- there was some discussion about whether "AT commands controlling IP sessions" was a suitable topic for discussion;
- from the T1 view point, clarification is needed on how to test the interfaces.

These points were noted and the chairman undertook to raise them at the above-mentioned meeting.

TP-010072 contains a draft work item description called "User Equipment (UE) Management (Feature)". This covers a collection of functions and applications which will allow the Operator/Service Provider to remotely manage User Equipment. One way of achieving this would be the use of MExE. It was noted that this is expected to be an optional feature since the requirement for the terminal to include a download mechanism is

probably not something that all terminals will have. T2 will discuss the matter in more detail at their next meeting. The work item description was noted.

4.2 Others

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-010015 contains the status report from T1 covering the period since the last TSG-T meeting in March. TP-010016 contains the draft minutes from the last T1 meeting. During the presentation of the reports, the following points were noted:

T1 administrative information:
- TSG-T1 elected via acclamation the following officials:
  - TSG-T1 Chairman - Bjarke Nielsen, Qualcomm;
  - TSG-T1 Vice Chairmen - Peter George, Anritsu and Hisashi Nakagomi, NTT DoCoMo.
- for the sub working groups (SWG), the following structure exists:
  - SWG/ SIG: Dan Fox, Anritsu is the chairman;
  - SWG/ RF: Kunitoshi Yonekura, Fujitsu is the chairman and Edgar Guillot, France Telecom is the vice chairman;
  - the creation of a new SWG for application testing is still under discussion.

General Specifications:
- *TS 34.108 Common test Conditions for User Equipment (UE) Conformance Testing*
  - several change requests are proposed in TP-010018 - see section 5.1.3 of this report;

Radio Test Specifications:
- *34.121, Terminal Conformance Specification, Radio Transmission and Reception (FDD)*
  - Test tolerance issue has been solved for all the European and Japanese regulatory items. CRs with the some (the highest priority) of the necessary changes are contained in TP-010019. Further CRs on this matter will be ready by the next TSG-T meeting. TP-010019 also contains several other CRs with corrections and clarifications;
  - During TSG-T #11, an additional CR on the test tolerance was received from TSG-RAN. See TP-010075 in section 5.1.2 of this report.

- *34.122, Terminal Conformance Specification, Radio Transmission and Reception (TDD)*
  - Test tolerance issue has been solved for all the European and Japanese regulatory items. CRs with the necessary changes are contained in TP-010020. This document also contains several other CRs with corrections and clarifications.

Signalling Test Specifications:
- *TS 34.123-1, User Equipment (UE) Conformance Specification, Part 1 – Conformance specification*
  - several change requests are proposed in TP-010021 - see section 5.1.3 of this report;
  - more resources are required for creating and maintaining the RRM test cases. Work is necessary due to the large number of changes to the core specifications:
  - there are also on-going changes to the core specification for the RRC test cases.

- *TS 34.123-2, User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement*
  - several change requests are proposed in TP-010022 - see section 5.1.3 of this report;

- *TS 34.123-3, User Equipment(UE) Conformance Specification, Part 3 – Abstract test suites*
  - good progress has been made in the implementation of TTCN TCs. Design document (600 pages) + framework + 230 TTCN test cases have been implemented and are presented in TP-010023 (TS 34.123-3 v1.0.0) for information;
  - regarding the level of completeness and maturity, it was noted that the basic framework will not be proven until the industry has started work on the TTCN. T1 will therefore not present TS 34-123-3 for approval until TSG-T#13 in September 2001;

- see also the report of MCC task 160 in TP-010017 below.

EMC specifications:

- TS 34.124 and TR 34.926 were transferred to RAN4 at TSG-T #10 and are therefore not dealt with in this report.

Test cases for regulatory purposes:

- *TR 34.910 "Identification of Test requirements for regulatory purposes in different regions/countries"*
  - the TR was presented for information (v1.0.0 in TP-000220) at TSG-T #10 with a view to presenting it for approval as part of Release-4 in March 2001, but it has been delayed until September (TSG-T #13) due to lack of input.

Other issues:

- Work plan
  - it was noted that the work on UMTS 1800 should be part of rel-4, not Rel-5 as listed on slide 13.
- Funded task
  - TSG-T endorsed the recommendations about funding and they will be presented to the next PCG meeting;
  - MCC, together with Dan Fox, will elaborate a more detailed version of the work plan for presentation to the PCG. It will also be distributed to the TSG-T list for information.
- TTCN test case quality
  - T1 is currently discussing how to assess the quality of the TTCN test cases. This is not expected to slow down the work.

TP-010017 is a status report of the work of the MCC task 160 on terminal testing. During a presentation of the report, it was noted that:

- task received 2001 3GPP funding - 26 mm. 25 MM are already contracted;
- progress made in the voluntary contribution - ETSI made a free-of-charge contract with company Sasken, India, for development of SM test in TTCN. During the meeting, Motorola. also stated that they expected to provide an expert free of charge;
- the financial committee was notified about the need to bring forward some of the funding for 2002 in Summer 2001;
- TTCN production speed has been slowed down this year because significant effort (5 mm) was needed for the updating of existing RRC TTCN due to extensive changes in RRC protocol.

TSG-T approved the status report. It was noted that this approval is the main condition that needs to be fulfilled before the task force can be paid for the work they have undertaken.

TP-010008 is an LS from T1 to T3 cc TSG-T regarding the authentication test algorithm to be implemented in a test USIM. See section 5.3.1 of this report for further information.

5.1.2 Questions for advice and decisions on T1 issues

TP-010075 contains a discussion document and associated change request to TS 34.121 regarding the handling of regional requirements in the test tolerances section. In summary, the current Japanese regulations are based on "test requirements" in former version of TS 34.121, so they do not reflect latest "test requirements" which may include non-zero test tolerances. It is expected that the Japanese regulations will be revised so as to incorporate all the changes in TS 34.121, but this may take some time. The matter was discussed during TSG-RAN #11 where it was concluded that two steps were needed:

- the PCG should be asked for general guidance for the situation where there are [temporary] inconsistancies between 3GPP specifications and regulatory requirements;
- warning text should be added to section 4.7 "Regional requirements" of TS 25.141 and also to TS 34.121.

During a discussion on the matter, TSG-T concluded that such warning text was useful, but that it should be placed in an informative annex of the specification. A revised version of the CR was made available in TP-010076 and this was approved. It was noted that T1 would need to review this annex so that when the Japanese regulations change, appropriate changes can be made to the annex.

5.1.3 Approval of contributions from T1

TP-010018 contains CRs to TS 34.108. They were all approved.

TP-010019 contains CRs to TS 34.121. They were all approved. An additional CR to 34.121 is presented in TP-010075 in section 5.1.2 of this report.

TP-010020 contains CRs to TS 34.122. They were all approved.

TP-010021 contains CRs to TS 34.123-1.They were all approved.

TP-010022 contains CRs to TS 34.123-2. They were all approved.

5.1.4 Documents for information

TP-010023 contains TS 34.123-3 v1.0.0 "*User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (Release 1999)*" for information. This specification is the third part of a multi-part specification containing, in TTCN, a suite of conformance tests for 3rd Generation User Equipment (UE). The tests are intended to ensure that User Equipment for 3GPP systems conform to the relevant 3GPP Technical Specifications. The specification contains 220 test cases of an expected final total of about 650. The specification was noted.

5.1.5 Work programme review of T1

TP-010024 contains all of the Work Item descriptions so far identified for T1 release 4. The intention is that a single document will be more convenient for people to use and more easily referenced from the work plan. The document was noted.

5.2 WG T2 Mobile Terminal Services and Capability

5.2.1 Reports and liaisons from T2

TP-010025 is the status report of T2. TP-010026 contains the presentation of the report. During the presentation of the report, the following major issues currently under discussion within T2 were noted as:

- MExE:
  - MExE rel-4 completed. It includes a new (third) MExE classmark for the new small-footprint Java platform;
  - MExE rel-5 work item descriptions put forward for approval at TSG-T #11 (see TP-010031 and TP-010032) in section 5.2.3 of this report);
  - there are on going discussion within T2 about the best way to interact with the MExE forum.

- Synchronisation issues:
  - T2 proposes that for release 4, the IRMC Sync feature will be deleted and replaced by SyncML. This will avoid terminals having to support multiple methods. See CRs in TP-010028;
  - work has been started on the work item "vObjects and Other Constructs for Use in Data Synchronization", but it is not complete and it proposed to be moved to rel-5 (for decision, see section 7.2 of this report);

- Terminal Interfaces
  - AT Commands enhancements for rel-4 have been elaborated - CRs are contained in TP-010028;
  - regarding the alternatives to AT commands, no substantial work has been done and so the work item is proposed for deletion (for decision, see section 7.2 of this report);
  - work has been done on the Terminal Local Model - see TP-010023;

- Multi-media Messaging Service (MMS)
  - many enhancements have been made for MMS rel-4;
  - some of the main ones are: support for streaming in MMS, inter-working between MMSEs described in detail, addressing scheme further elaborated, functional description enhanced with detailed service behaviour description, forwarding of a multimedia message without prior retrieval, support for prepaid Service in MMS, address hiding in MMS and support for reply-charging in MMS;
  - further work is planned for rel-5.

- Enhanced SMS
  - subject has been discussed but no conclusions have yet been reached.

- T2 Terms of Reference

- T2 discussed their Terms of Reference and proposed some changes - see TP-010033 in section 5.2.3 of this report.

TP-010014 is an LS from T2 to S4 cc TSG-T regarding ITU-T V.80 support for 3G terminals. It states that T2 see no problem with SA4's plan to describe the use of V.80 as an optional implementation option. They also note that there appears to be a need for some extension to the data rates available within V.80. The liaison was noted.

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

TP-010027 contains CRs on MExE issues. They were all approved.

TP-010028 contain CRs on Terminal Interfaces and Capabilities. They were all approved.

TP-010029 contains CRs on Messaging. They were all approved. It was noted that one company specifically requested that T2 should discuss the network implementation of MMS for release 5.

TP-010030 contains TS 23.227 v1.0.0 "Application and User Interaction in the UE-Principles and Specific Requirements". This specification introduces a generic model approach for the ME environment. The purpose of the specification is to structure the events that are external to, and has to be handled by, the ME Core. Although the specification has not been presented to TSG-T for information at a prior meeting, T2 have requested that it is approved since the specification is for rel-4. TSG-T considered this exception and eventually approved it. It was noted that T3 would have to review the specification at their next meeting and, as a result, some Rel-4 CRs may be required at the next T2 and TSG-T meeting.

TP-010031 is a draft work item description for MExE for Rel-5 Improvements and Investigations. The main proposed new features are support of VHE User Profile, investigation of ECMA “Common Language Infrastructure” support as Classmark 4, USAT/OSA/CAMEL interaction to provided advanced services, and investigation of support of terminal management. With some editorial enhancements, the description was approved as TP-010071.

TP-010032 is a draft work item description for MExE Security Analysis Rel-5. The main goal of the work item is to perform a security analysis for the different releases of MExE and the associated classmarks and identify issues in terms of security concepts and mechanisms for MExE. This work will result in a report, and depending on the result of the analysis, some CRs to TS 23.057 and perhaps some S3 specifications. The work item description was approved.

TP-010033 contains proposed revised terms of reference (ToRs) for T2. The revisions were drafted because the existing terms of reference are not sufficiently detailed to allow the reader to gain a good understanding of the responsibilities of T2. The new ToRs were approved.

TP-010034 contains a document which notes that there is some outstanding work for release 4 to be done on TR 27.103 "*Wide Area Network Synchronisation*". However, due to the decisons made during TSG-T #11 regarding SyncML, the work was no longer requred and the document was withdrawn.

5.2.4 Documents for information

No document were submitted for information.

5.2.5 Work programme review of T2

See section 7 of this report for further information.

5.3 WG T3 USIM

5.3.1 Reports from liaisons TSG-T WG3

TP-010035 contains the status report for T3. During the presentation of the report, the following points were highlighted:

- it was reported that ETSI Project Smart Card Platform (EP SCP) has been working on enhancements to TS 102 220 "*Application Identifiers*", TS 102 221 "*Terminal - UICC interface*" (referred to by 3GPP TS 31.101) and TS 102 221 "*Administrative commands*". There are on-going discussions about the use of an internal clock in the UICC. Joon Ryu (Samsung) was elected as second vice-chairman;

- the last T3 meeting elected by acclamation the following officers:
  - Klaus Vedder, Giesecke & Devrient, as chairman;
  - Nigel Barnes, Motorola, as vice-chairman;
  - Paul Jolivet, DoCoMo Europe, as vice-chairman;

  the chairman thanked the departing vice-chairman and rapporteur Günter Maringer for all his contributions over half a decade as SMG9 WP UMTS chairman, Rapporteur of TS 21.111 and last, but not least, as T3 vice-chairman;

- TS 31.102 "*Characteristics of the USIM application*"
  - several corrective CRs are proposed in TP-010038 and TP-010068. Also included in this TP-010038 are several CRs which add new functionality for release-4 for CPHS features and the introduction of an operator PLMN list. See section 5.3.3 of this report for more information;

- TS 31.111 "*USIM application toolkit*" (see TP-010039)
  - this document contains several corrective CRs and also several CRs which add new functionality for release-4 . See section 5.3.3 of this report;

- TS 11.13 "*Test specification for the SIM API for Java Card*" (see TP-010041)
  - this new specification is presented for approval - see section 5.3.3 of this report for further information;

- TS 22.112 "*USIM Toolkit Interpreter - stage* 1" (see TP-010042)
  - this new specification is presented for information - see section 5.3.4 of this report for further information;

- TS 31.112 "*USIM Toolkit Interpreter - stage 2 (Architecture Description)*" (see TP-010043)
  - this new specification is presented for information - see section 5.3.4 of this report for further information;

- TS 31.113 "*USIM Toolkit Interpreter - Byte codes*" (see TP-010044)
  - this new specification is presented for information - see section 5.3.4 of this report for further information.

TP-010046 is an LS from T3 to T2 cc TSG-T regarding the Introduction of features of CPHS. It is a reply to a T2 LS in which several clarifications were requested. The LS was noted.

TP-010047 is an LS from T3 to N1 cc TSG-T regarding the enhancement of CPHS Network Operator Name Feature. It is a reply to an LS from N1 in which they express concerns about the network selection and roaming status indication aspects which had been planned by T3. The LS informs N1 that T3 has reconsidered this point and they now agree with N1 that the functionality should not be included. The LS was noted.

TP-010049 is an LS from T3 cc TSG-T "re: Authentication test algorithm to be implemented in test USIM". It is in reply to the LS from T1 to T3 in TP-010008 which informed T3 about the authentication test algorithm that needs to be implemented in test USIMs and System Simulators (SS). This will enable the testing of UE behaviour regarding authentication key agreement procedure and SQN re-synchronisation procedure. At their last meeting, T3 reviewed and endorsed the proposed CR attached to TP-010008. TP-010049 contains an LS confirming this to T1. Both LSs were noted.

TP-010066 contains an LS drafted at a joint T2/T3 ad hoc meeting on the subject of UE functionality split over physical devices. The LS contains the main conclusions of the meeting and takes into account the LSs from SA1 (in TP-010013), SA2 (in TP-010007) and SA3 (in TP-010061) on this matter. The ad hoc meeting elaborated four scenarios which illustrate some of the issues involved when multiple users (such as in a car pool) try to access the network using common terminal components. It was noted that much more work would be required on this issue, and that one of the first steps will be for S1 to identify some of the service requirements so realistic use case scenarios can be elaborated. Following a discussion about figure 5 in the LS, the author undertook to provide an updated version to the next T2 and T3 meetings. It was concluded that this matter should be highlighted in the TSG-T chairman's report to TSG-SA so that other groups are made aware of this potentially very complicated issue.

TP-010069 (a corrected version of TP-010048) is an LS from T3 to S1 cc TSG-T regarding "GPRS operator preferences". The LS requests S1 to review the T3 proposal contained in an attached CR to TS 31.102 for a new file on the USIM to store default parameters for GPRS operation. It was noted that, subject to comments from S1, T3 intend to represent the CR to TSG-T #12 for approval as a rel-4 feature. TSG-T endorsed this procedure and noted the LS.

5.3.2 Questions for advice and decisions on T3 issues

The T3 status report in TP-010035 contains a request for a decision about how to handle the SIM specifications for rel-4 GSM only terminals. For release 99, GSM only terminals use the SIM functionality as specified in TS 11.11 and, optionally, the SIM application toolkit functionality specified in TS 11.14. Dual mode GSM / 3G terminals use the USIM functionality specified in TS 31.102 (and optionally the toolkit functionality in TS 31.111). TSG-SA #10 requested T3 to examine whether it was possible for rel-4 GSM only terminals to support USIM functionality. This would mean that TS 11.11 and TS 11.14 would not exist in releases after release 99. T3 discussed the matter at their last meeting and concluded that there were no technical barriers to prevent this. However, during the discussion, a number of commercial problems were identified.

TP-010062 contains a discussion document which describes some of the commercial consequences of mandating that release 4 GSM only terminals support USIM functionality. The authors believe that this change of platform may delay the availability of new terminals containing otherwise relatively straightforward new features.

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

- concerns were raised about the difficulties of maintaining TS 11.11 and TS 31.102 although this problem is somewhat reduced given that the specifications fall under the responsibility of the same WG;
- it was questioned whether TSG-T was a suitable forum in which to discuss this issue but it was concluded that it would be useful for TSG-T to present their decision on the matter to TSG-SA.

As a result, the following compromise was proposed:

- the toolkit specifications, TS 11.14 and TS 31.111 contain a high degree of similarity and it would not be difficult to add an annex to TS 31.111 containing any GSM specific requirements. This could be done for release 99. This would not involve any functional changes. GSM 11.14 release 99 would then be withdrawn.
- TS 11.11 specification could be maintained for release-4 on the understanding that for release-5, GSM only terminals would be mandated to support USIM functionality. The next T3 meeting would add the rel-4 functionality in TS 11.11 that is appropriate for GSM only terminals to create the release-4 version of TS 11.11. A second step would be to replace appropriate part of the text of this new version of TS 11.11 with references to TS 102 221.

TP-010073 contains some background information and a summary of the compromise mentioned above. TSG-T agreed that the above proposal would be the best way forward. The chairman undertook to present this decision to the TSG-SA plenary for their information.

The T3 status report in TP-010035 also contains a request to transfer the contents of two T3 specifications to ETSI Project SCP:

- TS 31.110 Application Identifiers
  this will be merged with TS 101 220, the general AID specification of EP SCP to generate a single AID specification;

- TS 31.120 UICC-terminal interface; Physical and logical tests
  this test specification originally tested compliance with TS 31.101. However, the entire contents of TS 31.101 were replaced by a single reference to the EP SCP specification TS 102 221 at TSG-T #9. It is therefore logical that the test specification should also fall within the responsibility of EP SCP;

TST-T endorsed the proposals.

5.3.3 Approval of contributions from T3

TP-010036 and TP-010070 contains correction change requests to TS 03.19 "*SIM API for Java Card*". All CRs in both documents were approved.

TP-010037 contains a correction change request to TS 03.48 "*Security Mechanisms for the SIM application toolkit*". The CR was approved.

TP-010038 contains CRs to TS 31.102 "*Characteristics of the USIM application*". It contains several corrections and the following additions of new functionality for release-4:

- CPHS functionality (Common PCN Handset Specification):
  The CPHS CRs introduce functionality that had previously been specified in the de facto industry standard, CPHS. One CR introduces the voicemail, message waiting and call forward indication features and a second adds the PLMN Network Name feature for the storage of full and short name of registered PLMN in USIM overriding those in the terminal;

- Introduction of Operator PLMN list
  when roaming on “partner” networks the name of the home network operator can be displayed;

All CRs in TP-010038 were approved.

TP-010039 contains several CRs to TS 11.14 and TS 31.111 "*USIM application toolkit*". It includes several corrections and the following additions of new functionality for release-4:

- USAT local link:
  introduction of functionality to enable SIM Toolkit applications to communicate with a device connected to the terminal using bluetooth. Support for other bearers may be added in future releases if contributions are received;

- Addition of variable timeout to the DISPLAY TEXT and GET INKEY commands:
  this will allow USIM toolkit applications to request input from a user (via the keypad) without the need to display a menu after each input;

- Introduction of additional Access Technology Indicator values:
  This will allow USIM toolkit applications to detect what sort of network the terminal is using. This necessary for some commands which are radio access specific.

All CRs in TP-010039 were approved.

TP-010041 contains TS 11.13 "*Test specification for the SIM API for Java Card*". This new specification (for approval) provides a series of tests to determine compliance with GSM 03.19 (SIM API for Java Card). This version of TS 11.13 is based on the release 98 version of the core specification and it is expected that it will be updated for later releases of TS 03.19. It was noted that the specification does not yet include test cases for interoperability at the SIM API framework level. Such cases are expected to be added by the addition of a normative reference to a SUN Microsystems Test specification once the availability of the SUN specification is clarified. The specification was approved.

TP-010042 contains TS 22.112 "*USIM Toolkit Interpreter - stage 1*". This new release-4 specification defines a system to make mobile operator services, based on USAT functionality and USIM based security functionality, available to an internet environment. This is achieved by specifying the necessary components and protocols for a secure narrow band channel between the internet application and an USAT Interpreter on the USIM. The specification was approved for release-4.

TP-010068 contains a CR to TS 31.102 correcting the TAG values listed for some of the phonebook files. It was approved.

5.3.4 Documents for information

TP-010043 contains TS 31.112 "USIM Toolkit Interpreter - stage 2 (Architecture Description)". This new specification defines the overall architecture for the USAT Interpreter system including role models, reference models and functional flows. There was some discussion as to whether the specification should be part of rel-4 or rel-5, but it was concluded that it should remain in rel-4 since the stage 1 was part of rel-4. The specification was noted.

TP-010044 contains TS 31.113 "USIM Toolkit Interpreter - Byte codes". This new specification defines the byte codes that are recognised by an USAT Interpreter. The primary purpose of the byte codes is to provide efficient programming access to the SIM Application Toolkit commands. They are optimised so as to allow compact

representation for efficient transmission over the air interface and to minimise USAT Interpreter complexity to minimise USIM footprint and ease compliance testing. It is source language independent although XML-style mark-up languages are explicitly envisioned. There was some discussion as to whether the specification should be part of rel-4 or rel-5, but it was concluded that it should remain in rel-4 since the stage 1 was part of rel-4. The specification was noted.

TP-010045 contains TR 31.900 "SIM/USIM internal and external inter-working" (R99) for information. The original aim of the work item description had been to highlight inter-working issues (internal to the UICC) between the SIM and the USIM. However, during the elaboration of the document, it became clear that it would also be useful to mentioned the various network entities involved in the inter-working. The document therefore addresses:

- the different cases of inter-working between a 2G or 3G ICC and a 2G or 3G ME;
- the different cases of inter-working between any given ME/ICC combination and the rest of the network;
- the possibilities of inter-working between a SIM and a USIM together on a single UICC;
- the possibilities of inter-working between several USIMs on a single UICC.

The Technical Report was noted and it is expected that an updated version will be presented to TSG-T #12 for approval as a release 99 Technical Report.

5.3.5 Work programme review of T3

See section 7 of this report for further information.

6 Election of TSG-T Chairman and Vice-chairmen

6.1 Election of the TSG-T chairman

One candidate stood for the position of TSG-T Chairman. As a result, Sang-Keun Park from Samsung (TTA) was elected by acclamation.

6.2 Election of the TSG-T vice-chairmen

Three candidates stood for the first round. The results were as follows:

- Ed Ehrlich, Nokia (T1) 27 votes (59%)
- Kevin Holley, BT (ETSI) 11 votes (24%)
- Peter Neumann, Siemens (ETSI) 7 votes (15%)

Since no candidate received more that 71% of the total vote, a second round was scheduled. Following a discussion amongst the three candidates, they proposed that only Ed Ehrlich would stand in the second round and that subsequently, the other two delegates would stand in a further round. The plenary endorsed this procedure. As a result, Ed Ehrlich was elected as vice chairman by acclamation.

Two candidates then stood for the other vacant vice-chairman's position. The results were as follows:

- Kevin Holley, BT (ETSI) 34 votes (74%)
- Peter Neumann, Siemens (ETSI) 12 votes (26%)

Kevin Holley received more that 71% of the vote and was so welcomed to the position of vice-chairman.

The full contact information for all TSG-T officials (including WG and SWG officials) can be found in annex.

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

7.1 Release 99

7.2 Release 4

TP-010058 contains a list of specifications expected to form part of release 4. Most specifications which were part of release 99 are automatically have been automatically listed as part of release 4. It was noted that the release 4 test specifications T1 would not be created until TSG-T #13. This will avoid the needless duplication of T1 change requests. It was also noted that several of the TRs under the responsibility of T2 would not be needed in release 4 since they specifically apply only to release 99. They are:

- TR 21.810 Report on multi-mode UE issues; ongoing work and identified additional work;
- TR 21.904 UE Capability Requirements (UCR);
- TR 21.910 Multi-mode UE issues; categories, principles and procedures;
- TR 22.945 Study of provision of fax service in GSM and UMTS;
- TR 34.907 Report on electrical safety requirements and regulations;
- TR 34.925 Specific Absorption Rate (SAR) requirements and regulations in different regions.

TP-010059 contains a presentation about the present status of the 3GPP work plan and TP-010060 contains the 3GPP work plan in MS project format. The presentation lists the progress made on each work item and highlights other changes made during recent 3GPP working group meetings. Following a presentation of the document, the following points were discussed:

- T2 - AT command enhancements
  ⇒ TSG-T agreed that the AT command enhancement work item should be considered as closed. Further change requests proposing to add functionality in this area could be considered on a case-by-case basis.

- T2 - Alternatives to AT commands
  ⇒ TSG-T agreed to delete this work item since because very little work had been done on it.

- T2 - vObjects and Other Constructs for Use in Data Synchronization
  ⇒ TSG-T agreed move this work item to release 5

- T3 - Secure messaging to rel-5
  ⇒ TSG-T agreed move this work item to release 5

- T3 - UICC database
  ⇒ TSG-T approved the T3 proposal to delete this work item since no work had been done.

- T3 - CPHS features
  ⇒ TSG-T noted that this work item was considered as complete.

- T3 - USAT Local Link
  ⇒ TSG-T noted that this work item was considered as complete. If there are further contributions regarding different local bearers, a new work item description will be raised.

- T3 - Protocol Standardisation of a SIM Toolkit Interpreter
  ⇒ TSG-T noted that stage 1 of this work item was complete and that the stage 2 specifications would be presented as part of rel-4 at TSG-T #12

- T3 - Feasibility Study on UICC/terminal interface speed enhancement
  ⇒ TSG-T agreed to the T3 proposal to delete this work item. At the time the work item description was approved, it was expected to result in CRs to TS 31.101. However, since then, the contents of TS 31.101 have been transferred to ETSI Project SCP and it was therefore more appropriate that they assume responsibility for this work item.

7.3 Other issues

TP-010051 contains a CR to TR 21.900 (*3GPP working methods*) to make reference to the numbering scheme for GSM only specifications in release 4 and will be presented to TSG-SA #11 for approval. This aligns it with the previous TSG-SA decision that all GSM only specifications for release 4 onwards would be renumbered from TS AA.BB to TS AA+40.0BB. This was done so that for release 4, all 3GPP specifications would have a version number 4.x.y (c.f. release 99, where GSM only have version 8.x.y and 3G specs have 3.x.y). The CR was noted.

TP-010052 contains a CR to TS 21.101 (*3GPP Release 1999 Specifications*) to correct the list of specifications which are part of release 99 for 3G. The CR was noted and it will be presented to TSG-SA #11 for approval.

TP-010053 contains a draft TS 21.102 (*3GPP Release 4 Specifications*) to list those specifications which are part of release 4 for 3G. The TS was noted and it will be presented to TSG-SA #11 for approval.

TP-010054 contains a draft TS 41.102 (*GSM Release 4 Specifications*) to list those specifications which are part of release 4 for GSM only systems. The TS was noted and it will be presented to TSG-SA #11 for approval.

TP-010055 contains the specification status list prior to TSGs #11. The list was noted.

TP-010057 contains a single table listing the title for every GSM or 3G specification number that has ever been issued. It was noted that the list contains the title of several specification that have long since been discontinued or in fact had even not been completed. The list was noted.

8 Liaison Statements (LS) outgoing

No outgoing liaison statements were generated during the meeting.

9 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.

10 Any Other Business

No other issues were raised.

11 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 #12 TSG-SA #12	13 (09:00) - 15 June, 2001 18 - 21 June, 2001	Ericsson	Stockholm, SE
TSG-T #13 TSG-SA #13	19 - 21 September, 2001 24 - 27 September, 2001	Lucent/CWTS	Beijing, China
TSG-T #14 TSG-SA #14	12 - 14 December, 2001 17 - 20 December, 2001	ARIB/TTC	Kyoto, Japan
TSG-T #15 TSG-SA #15	6 - 8 March 2002 11 - 14March 2002	TTA	Korea
TSG-T #16 TSG-SA #16	5 - 7 June, 2002 10 - 13 June, 2002	Motorola	Rome (?)
TSG-T #17 TSG-SA #17	4 - 6 September, 2002 9 - 12 September, 2002	Alcatel	France
TSG-T #18 TSG-SA #18	4 - 6 December, 2002 9 - 12 December, 2002	North American ‘Friends of 3GPP’	USA
TSG-T #19 TSG-SA #19	March 2003	UK 'Friends of the 3GPP'	UK
TSG-T #20 TSG-SA #20	June 2003	Nokia	Finland

12 Close of the meeting

The meeting was closed by the chairman at 15:00. He thanked the delegates for their work and the hosts for their efficient arrangements and facilities.

ANNEX A Approved Agenda

Agenda Item	Input documents (TP-010nnn)
1 Opening of the meeting (09:00 Wednesday March 14)	
2 Approval of Agenda	003
3 Approval of the meeting report from TSG-T#10	001
4 Letters and reports from other groups, LS incoming	
4.1 OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN	004, 005, 006, 007, 009, 010, 011, 012, 013
4.2 Others	
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	008, 015, 016, 017
5.1.2 Questions for advice and decisions from T1	
5.1.3 Approval of contributions from T1	018, 019, 020, 021, 022
5.1.4 Documents for information	023
5.1.5 Work programme review of T1	024
5.2 WG T2 Mobile Terminal Services and Capability	
5.2.1 Reports and liaisons from T2	014, 025, 026
5.2.2 Questions for advice and decisions from T2	
5.2.3 Approval of contributions from T2	027, 028, 029, 030, 031, 032, 033
5.2.4 Documents for information	
5.2.5 Work programme review of T2	
5.3 WG T3 USIM	
5.3.1 Reports from liaisons TSG-T WG3	035, 046, 047, 048, 049
5.3.2 Questions for advice and decisions from T3	040
5.3.3 Approval of contributions from T3	036, 037, 038, 039, 041, 042
5.3.4 Documents for information	043, 044, 045
5.3.5 Work programme review of T3	
6 Election of TSG-T Chairman and Vice-chairmen (Thursday 09:00)	
7 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA	
7.1 Release 99	
7.2 Release 4	058, 059, 060
7.3 Other issues	051, 052, 053, 054, 055, 057
8 Liaison Statements (LS) outgoing	
9 Postponed issues from earlier in the meeting	
10 Any Other Business	
11 Work Plan and Future Meeting Schedule	
12 Close of the meeting (by 16:00 Friday March 16)	

ANNEX B List of attendees

Lastname	Firstname(s)	Organization Represented	Partner
Afchar	Ramin	CETECOM GmbH	ETSI
Allen	Andrew	MOTORAOLA SEMICONDUCTOR ISRAEL LTD	ETSI
Andersen	Niels Peter Skov	MOTOROLA A/S	ETSI
Barnes	Nigel	MOTOROLA Ltd	ETSI
Bindrim	Walter	Materna GmbH	ETSI
Blarre	Samuel	France Telecom	ETSI
Bratt	Gunilla	Telefon AB LM Ericsson	ETSI
Brook	Richard	SAMSUNG Electronics Research Institute	ETSI
Chang	Henry	Kyocera	ARIB
D'Avella	Renato	SIEMENS Information and Communication Networks SpA	ETSI
Davis	James A.	Telecommunications Research Associates	GUEST
Demeure	Jean André	SAGEM Group	ETSI
Dick	Steve	INTERDIGITAL COMMUNICATIONS CORPORATION	ETSI
Diesen	Michael	Motorola Inc.	T1
Doig	Ian	MOTOROLA S.A.	ETSI
Donat	Peter	FEEI	ETSI
Dunn	Doug	Kyocera	ARIB
Ehrlich	Ed	Nokia Telecommunications Inc.	T1
Ellsberger	Jan	Telefon AB LM Ericsson	ETSI
Farrar	Andrew	One 2 One Personal Commmunications Limited	ETSI
Felicetti	Giulia	TELECOM ITALIA S.p.A.	ETSI
Furuse	Masahiro	NTT DoCoMo Inc.	ARIB
George	Peter	ANRITSU LTD	ETSI
Gerz	Gerhard	BUNDESMINISTERIUM FUR WIRTSCHAFT	ETSI
Grant	Marc	Cingular Wireless LLC	T1
Hartman	Paul	Universal Wireless Communications Consortium	UWCC
Hayes	Stephen	Ericsson Incorporated	T1
Holley	Kevin	BT	ETSI
Howell	Andrew	MOTOROLA GmbH	ETSI
Iwasa	Masaaki	MOTOROLA JAPAN LTD	ARIB
Jolivet	Paul	NTT DoCoMo Inc	TTC
Jones	Gary	VoiceStream Wireless Corporation	T1
Kanerva	Mikko	NOKIA Corporation	ETSI
Kanno	Hiroshi	Fujitsu Limited	ARIB
Kittel	Kay	SIEMENS AG	ETSI
Komatsu	Shigeki	NEC Corporation	ARIB
Leuca	Ileana	AT&T Wireless Services, Inc.	T1
Li	Jun	Zhongxing Telecom Ltd.	CWTS
Maeda	Yutaka	ARIB	ARIB
Maier	Gerhard.M.	SHARP Manufacturing France SA	ETSI
Matsuya	Hiroshi	Toshiba Corporation, Digital Media Network Company	ARIB
Mehta	Hemen	Convergelabs GmbH	ETSI
Murase	Atsushi	NTT DoCoMo Inc.	ARIB
Nakayama	Keiichi	ARIB	ARIB
Neumann	Peter	SIEMENS AG	ETSI
Nielsen	Bjarke	QUALCOMM EUROPE S.A.R.L.	ETSI
Park	Sang-Keun	Samsung Electronics Ind. Co., Ltd.	TTA
Persson	Sofi	TELIA AB	ETSI

Continued....

Lastname	Firstname	Organization Represented	Partner
Rodermund	Friedhelm	ETSI	ETSI
Ryoo	Chang-Ho	Ericsson Korea	TTA
Ryu	Joon	Samsung Electronics Ind. Co., Ltd.	TTA
Saito	Hiroshi	Matsushita Communication Industrial Co, Ltd	ARIB
Salmeron	Lidia	ETSI	ETSI
Sampson	Nick	ORANGE PCS LTD	ETSI
Sanders	Michael	ETSI	ETSI
Sasaki	Akio	ARIB	ARIB
Sato	Kazuyoshi	Mitsubishi Electric Co.	ARIB
Sauvage	Nicolas	TTP COMMUNICATIONS LTD	ETSI
Shimokawara	Yoichi	SONY Corporation	ARIB
Soberg	Tom	Nippon Ericsson K.K.	ARIB
Sood	Prem	SHARP Corporation	ARIB
Stoim	Michael	MANNESMANN Mobilfunk GmbH	ETSI
Sudoh	Manabu	NTT DoCoMo Inc.	ARIB
Sultan	Alain	ETSI	ETSI
Takeda	Teruo	Agilent Technologies Japan, Ltd	ARIB
Thompson	Peter	MOTOROLA Ltd	ETSI
Timonen	Petri	SONERA Corporation	ETSI
Valet-Harper	Isabelle	MICROSOFT EUROPE SARL	ETSI
Vedder	Klaus	GIESECKE & DEVRIENT GmbH	ETSI
Voskar	Paul	NOKIA UK Ltd	ETSI
Watanabel	Nobuhiko	SONY Corporation	ARIB
Winstanley	Robert	MATSUSHITA COMMUNICATION INDUSTRIAL UK LTD	ETSI
Wohlert	Randolph	SBC Communications Inc.	T1
Yamada	Jun	Hitachi Ltd.	ARIB
Younge	Mark	VoiceStream Wireless Corporation	T1

Those delegates with an ETSI server username and password can obtain the full/updated contact information for any delegate by going to the URL for the delegates' database at:
http://webapp.etsi.org/teldir/TelDirectory.asp

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. The full list of all TSG-T documents can be found on the 3GPP server as TST-T-Index.doc (http://www.3gpp.org/ftp/TSG_T/TSG_T/). All documents listed below can also be found under this directory.

For allocation of document numbers for future meetings, please contact the TSG-T secretary, Michael Sanders (sanders@ETSI.fr)

Tdoc	Title	Source	Agenda	Status
TP-010001	Report (draft) for TSG-T #10 (Bangkok 5 - 7 December, 2000)	TSG-T Secretary	3	revised - see TP-010002
TP-010002	Report for TSG-T #10 (Bangkok 5 - 7 December, 2000)	TSG-T Secretary	3	approved
TP-010003	Agenda (draft) for TSG-T #10 (Palm Springs 14 - 16 March 2001)	TSG-T Secretary	2	revised - see report
TP-010004	Report (draft) for TSG-SA #10 (Bangkok 10 - 13 December, 2000)	TSG-SA Secretary	4.1	noted
TP-010005	LS from GERAN cc TSG-T "cell selection timing"	TSG-GERAN (GP-010386)	4.1	noted
TP-010006	LS from N1 "Enhancement of CPHS Network Operator Name Feature for 3G Rel-4"	N1 (N1-010208)	4.1	noted
TP-010007	LS from S2 "UE functionality split over physical devices"	S2 (S2-010392)	4.1	noted
TP-010008	LS from T1 "Authentication test algorithm to be implemented in test USIM"	T1 (T1-010105)	5.2.1	noted
TP-010009	LS from N4 "Reply on Default Configurations for Handover"	N4 (N4-010283)	4.1	noted
TP-010010	Draft Report of 3GPP TSG SA workshop on UE in idle mode (7 – 8 February 2001)	Workshop secretary	4.1	noted
TP-010011	LS from S1 cc TSG-T “Introduction of features from the CPHS for 3G R4.”	S1 (S1-010177)	4.1	noted
TP-010012	LS from S1 cc TSG-T "Introduction of Operator PLMN Name List for 3G Release 4"	S1 (S1-010211)	4.1	noted
TP-010013	LS from S1 to TSG-T re: "UE functionality split"	S1 (S1-010166)	4.1	noted
TP-010014	LS from T2 to S4 cc TSG-T "ITU-T V.80 support for 3G terminals"	T2 (T2-010280)	5.2.1	noted
TP-010015	T1 status report	T1 chairman	5.1.1	discussed
TP-010016	Draft minutes from T1#10	T1 secretary	5.1.1	noted
TP-010017	Status report of MCC task 160	MCC Task 160	5.1.1	discussed
TP-010018	CRs to TS 34.108 for approval	T1	5.1.3	approved
TP-010019	CRs to TS 34.121 for approval	T1	5.1.3	approved
TP-010020	CRs to TS 34.122 for approval	T1	5.1.3	approved
TP-010021	CRs to TS 34.123-1 for approval	T1	5.1.3	approved
TP-010022	CRs to TS 34.123-2 for approval	T1	5.1.3	approved
TP-010023	3GPP TS 34.123-3 v1.0.0 for information	T1	5.1.4	noted
TP-010024	List of planned Work Items in T1	T1	5.1.5	noted
TP-010025	T2 status report	T2 secretary	5.2.1	noted
TP-010026	Presentation of T2 status	T2 chairman	5.2.1	discussed
TP-010027	CRs on MExE for approval	T2	5.2.3	approved
TP-010028	CRs on Terminal Interfaces and Capabilities for approval	T2	5.2.3	approved
TP-010029	CRs on Messaging for approval	T2	5.2.3	approved
TP-010030	TS 23.227 "Application and user interaction in the UE - principles and specific requirements" Version 1.0.0 for approval	T2	5.2.3	approved
TP-010031	WID MExE Rel-5 Improvements and Investigations for approval	T2 (T2-010221)	5.2.3	revised - see TP-010071
TP-010032	WID MExE Security Analysis Rel-5 for approval	T2 (T2-010296)	5.2.3	approved
TP-010033	Proposed revised Terms of Reference for T2 for approval	T2 (T2-010293)	5.2.3	approved
TP-010034	Work Item Submission Form: Continuous Evolution of Synchronisation Protocol for approval	T2 (T2-010288)	5.2.3	withdrawn
TP-010035	T3 status report	T3 chairman	5.3.1	approved
TP-010036	CRs to TS 03.19 (JAVA API) for approval	T3	5.3.3	approved
TP-010037	CRs to TS 03.48 (Secure messaging) for approval	T3	5.3.3	approved
TP-010038	CRs to TS 11.11 and TS 31.102 ((U)SIM/terminal interface) for approval	T3	5.3.3	approved
TP-010039	CRs to TS 11.14 and TS 31.111 ((U)SIM application toolkit) for approval	T3	5.3.3	approved
TP-010040	not used (see TP-010068 for CR to 31.102 on Tag values)	not used		not used
TP-010041	TS 11.13 "Test specification for SIM API for Java Card" for approval	T3	5.3.3	approved
TP-010042	TS 22.112 "USAT Interpreter stage 1" for approval	T3	5.3.3	approved
TP-010043	TS 31.112 "USAT Interpreter stage 2" for information	T3	5.3.4	noted
TP-010044	TS 31.113 "USAT Interpreter - Byte Codes" for information	T3	5.3.4	noted
TP-010045	TR 31.900 "SIM/USIM internal and external interworking" for information	T3	5.3.1	noted

Continued .....

Tdoc	Title	Source	Agenda	Status
TP-010046	LS from T3 cc TSG-T "Introduction of features of CPHS"	T3 (T3-010112)	5.3.1	noted
TP-010047	LS from T3 cc TSG-T "re: Enhancement of CPHS Network Operator Name Feature"	T3 (T3-010232)	5.3.1	noted
TP-010048	LS from T3 cc TSG-T "GPRS operator preferences"	T3 (T3-010245)	5.3.1	reissued as TP-010069
TP-010049	LS from T3 cc TSG-T "re: Authentication test algorithm to be implemented in test USIM"	T3 (T3-010246)	5.3.1	noted
TP-010050	not used	not used		not used
TP-010051	CR to 21.900: "Inclusion of GSM spec numbering scheme" (for information)	MCC	7	noted
TP-010052	CR to 21.101: "Correction to list of specs" (for information)	MCC	7	noted
TP-010053	TS 21.102 v2.0.0: "3rd Generation mobile system Release 4 Specifications" (for information)	MCC	7	noted
TP-010054	TS 41.102 v2.0.0: "GSM Release 4 Specifications" (for information)	MCC	7	noted
TP-010055	Specs status list prior to TSGs#11 (for information)	MCC	7	noted
TP-010056	not used	not used		not used
TP-010057	Spec numbers and titles (for information)	MCC	7	noted
TP-010058	Release 4 specs expected to be created in March 2001 (for information)	MCC	7	noted
TP-010059	MCC review of the Work Plan	MCC	7	noted
TP-010060	Work Plan - version March 9th	MCC	7	noted
TP-010061	LS from SA3 "UE functionality split over physical devices"	S3 (S3-010133)		discussed
TP-010062	Discussion document "Updating 11.11 for Release 4"	Cingular Wireless		discussed
TP-010063	Request for information for proposed ITU-T recommendations being developed by the special study group on “IMT-2000 and beyond”	Chairman, ITU-T Special Study Group on “IMT-2000 and Beyond”	4.2	discussed
TP-010064	Request for information for proposed ITU-T technical report being developed by the special study group on “IMT-2000 and beyond” - Questionaire	Chairman, ITU-T Special Study Group on “IMT-2000 and Beyond”	4.2	discussed
TP-010065	IETF-3GPP Report	AT&T Wireless	4.2	noted
TP-010066	LS from T3 cc TSG-T UE functionality split over physical devices	T3 (T3-010250)	5.3.1	discussed
TP-010067	Potential list of issues for IETF co-ordination	TSG-T Vice chairman		discussed
TP-010068	CR to TS 31.102-078 "Correction to tag values "	Nokia / NTT DoCoMo	5.3.3	approved
TP-010069	LS from T3 cc TSG-T "GPRS operator preferences"	T3 (T3-010245)	5.3.1	noted
TP-010070	CRs TS 03.19 for Clarification about ArrayIndexOutOfBoundsException	T3	4.3.3	approved
TP-010071	WID MExE Rel-5 Improvements and Investigations **for approval**	TSG-T	5.2.3	approved
TP-010072	WID for User Equipment Management for information	SA5	4.2	noted
TP-010073	TS 11.11 issues	TSG-T 11.11 ad hoc	5.3.2	discussed
TP-010074	Discussion document on MS / UE clarification	Siemens		withdrawn
TP-010075	CR to 34.121 for regional requirements on Test Tolerance	ARIB	5.1.3	revised - see TP-010076
TP-010076	CR to 34.121 for regional requirements on Test Tolerance	ARIB	5.1.3	approved

ANNEX D List of change requests presented to TSG-T #11

TSG Doc	TSG status	Spec	CR	rv	Rel	Cat	Subject	Old vers	New vers	WG
TP-010036	approved	03.19	A009		R98	F	Clarification of the SIM Toolkit Framework behaviour and API	7.4.0	7.5.0	T3
TP-010036	approved	03.19	A010		R99	A	Clarification of the SIM Toolkit Framework behaviour and API	8.0.0	8.1.0	T3
TP-010070	approved	03.19	A011		R98	F	Clarification about ArrayIndexOutOfBoundsException	7.4.0	7.5.0	T3
TP-010070	approved	03.19	A012		R99	A	Clarification about ArrayIndexOutOfBoundsException	8.0.0	8.1.0	T3
TP-010037	approved	03.48	A015		R99	F	Clarification of the Anti Replay Counter management	8.4.0	8.5.0	T3
TP-010028	approved	07.07	A086		R97	F	Corresponding GMM states for +CGREG command	6.4.0	6.5.0	T2
TP-010028	approved	07.07	A087		R97	F	Definition of "class C in GPRS and circuit switched alternate mode"	6.4.0	6.5.0	T2
TP-010028	approved	07.07	A088		R98	A	Corresponding GMM states for +CGREG command	7.5.0	7.6.0	T2
TP-010028	approved	07.07	A089		R98	A	Definition of "class C in GPRS and circuit switched alternate mode"	7.5.0	7.6.0	T2
TP-010038	approved	11.11	A127		R99	D	Addition to note for the iDEN file ID, "7F31'	8.4.0	8.5.0	T3
TP-010038	approved	11.11	A128		R99	F	Alignment between GSM 11.11 and TS 31.102 on default HPLMN RAT	8.4.0	8.5.0	T3
TP-010038	approved	11.14	A194		R99	F	Correction of Annex A: Support of USAT by Mobile Equipment	8.5.0	8.6.0	T3
TP-010029	approved	23.038	006		rel-4	C	Message Waiting Indication Status storage on the USIM	4.1.0	4.2.0	T2
TP-010029	approved	23.040	020		rel-4	C	Predefined animations for EMS	4.1.0	4.2.0	T2
TP-010029	approved	23.040	021		rel-4	C	Message Waiting Indication Status storage on the USIM	4.1.0	4.2.0	T2
TP-010027	approved	23.057	041		R99	F	CCM update with new administrator signed package	3.3.0	3.4.0	T2
TP-010027	approved	23.057	042		rel-4	D	TS11.11 reference updates	4.0.0	4.1.0	T2
TP-010027	approved	23.057	043		rel-4	D	Abbreviations	4.0.0	4.1.0	T2
TP-010027	approved	23.057	044		rel-4	D	CCPP web site in reference	4.0.0	4.1.0	T2
TP-010027	approved	23.057	045		rel-4	D	Capability and Content editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	046		rel-4	D	High level architecture editorial	4.0.0	4.1.0	T2
TP-010027	approved	23.057	047		rel-4	D	Java application signature verification editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	048		rel-4	D	QoS editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	049		rel-4	D	RFC references correction	4.0.0	4.1.0	T2
TP-010027	approved	23.057	050		rel-4	D	Root public keys correction	4.0.0	4.1.0	T2
TP-010027	approved	23.057	051		rel-4	D	Support of user profile editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	052		rel-4	D	Transfer of capability negotiation editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	053		rel-4	D	User control of application connection editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	054		rel-4	D	User profile editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	055		rel-4	D	X.509 version 3 editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	056		rel-4	D	WAP reference correction	4.0.0	4.1.0	T2
TP-010027	approved	23.057	057		rel-4	C	WAP compliance	4.0.0	4.1.0	T2
TP-010027	approved	23.057	058		rel-4	D	Conformance requirements table update	4.0.0	4.1.0	T2
TP-010027	approved	23.057	059		rel-4	D	Correction to the definition of MIDP application	4.0.0	4.1.0	T2
TP-010027	approved	23.057	060		rel-4	D	Abbreviations	4.0.0	4.1.0	T2
TP-010027	approved	23.057	061		rel-4	D	Trust hierarchy figure correction	4.0.0	4.1.0	T2
TP-010027	approved	23.057	062		rel-4	D	Definition of the Untrusted Area	4.0.0	4.1.0	T2
TP-010027	approved	23.057	063		rel-4	D	Generic security editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	064		rel-4	F	CCM update with new administrator signed package	4.0.0	4.1.0	T2

TP-010027	approved	23.057	065		rel-4	F	Executable pre-launch signature verification	4.0.0	4.1.0	T2
TP-010027	approved	23.057	066	1	rel-4	F	Clarification of ORPK and ARPK support on MExE MT	4.0.0	4.1.0	T2
TP-010027	approved	23.057	067		rel-4	D	Untrusted executable permission to access the network	4.0.0	4.1.0	T2
TP-010027	approved	23.057	068		rel-4	C	Capability negotiation updates	4.0.0	4.1.0	T2
TP-010027	approved	23.057	069		rel-4	C	Correction to capability negotiation methods	4.0.0	4.1.0	T2
TP-010027	approved	23.057	070		rel-4	C	WAP WTA	4.0.0	4.1.0	T2
TP-010027	approved	23.057	071		rel-4	D	3GPP Document References update	4.0.0	4.1.0	T2
TP-010027	approved	23.057	072		rel-4	D	Annex A corrections	4.0.0	4.1.0	T2
TP-010027	approved	23.057	073		rel-4	D	Miscellaneous editorial corrections	4.0.0	4.1.0	T2
TP-010027	approved	23.057	074		rel-4	D	Definition of an Operator	4.0.0	4.1.0	T2
TP-010027	approved	23.057	075		rel-4	F	Mobile Execution Environment	4.0.0	4.1.0	T2
TP-010027	approved	23.057	076		rel-4	D	Capability negotiation editorials	4.0.0	4.1.0	T2
TP-010027	approved	23.057	077		rel-4	F	Sharing of Transmissions between untrusted executables	4.0.0	4.1.0	T2
TP-010027	approved	23.057	078		rel-4	D	Core software download	4.0.0	4.1.0	T2
TP-010029	approved	23.140	003		rel-4	B	High-level description of MMS - part II	4.1.0	4.2.0	T2
TP-010028	approved	27.007	050		R99	F	Addition of explicit subscribed value to QoS command	3.7.0	3.8.0	T2
TP-010028	approved	27.007	051		R99	A	Corresponding GMM states for +CGREG command	3.7.0	3.8.0	T2
TP-010028	approved	27.007	052		R99	A	Definition of "class C in GPRS and circuit switched alternate mode"	3.7.0	3.8.0	T2
TP-010028	approved	27.007	053		rel-4	A	Clarification of the specification to incorporate UICC/USIM references	4.0.0	4.1.0	T2
TP-010028	approved	27.007	054		rel-4	F	Update the AT command, +CPBS, that select the phonebooks in the SIM/UICC	4.0.0	4.1.0	T2
TP-010028	approved	27.007	055		rel-4	F	Correction of GSM references	4.0.0	4.1.0	T2
TP-010028	approved	27.007	056		rel-4	F	Update the AT commands that access the PLMN preferred list in the SIM/UICC	4.0.0	4.1.0	T2
TP-010028	approved	27.007	057		rel-4	F	Update of phonebook AT commands, +CBBS,+CPBR, +CPBF and +CPBW, to	4.0.0	4.1.0	T2
TP-010028	approved	27.007	058		rel-4	A	Addition of explicit subscribed value to QoS command	4.0.0	4.1.0	T2
TP-010028	approved	27.007	059		rel-4	A	Corresponding GMM states for +CGREG command	4.0.0	4.1.0	T2
TP-010028	approved	27.007	060		rel-4	A	Definition of "class C in GPRS and circuit switched alternate mode"	4.0.0	4.1.0	T2
TP-010028	approved	27.103	002		rel-4	B	Addition of SyncML	3.1.0	4.0.0	T2
TP-010028	approved	27.903	001		rel-4	B	Addition of SyncML	3.0.0	4.0.0	T2
TP-010038	approved	31.102	065	3	R99	F	Correction and clarification of the APN Control feature	3.4.0	3.5.0	T3
TP-010038	approved	31.102	066		R99	F	Correction to default HPLMN RAT	3.4.0	3.5.0	T3
TP-010038	approved	31.102	067	2	R99	F	Clarification on EF(ANR), EF(SNE) and EF(EMAIL)	3.4.0	3.5.0	T3
TP-010038	approved	31.102	068	1	R99	F	Correction of the PROFILE download procedure	3.4.0	3.5.0	T3
TP-010038	approved	31.102	069		Rel-4	F	Clarification of EFARR access conditions	3.4.0	4.0.0	T3
TP-010038	approved	31.102	070		R99	F	Indication of minimum clock frequency required by the USIM application	3.4.0	3.5.0	T3
TP-010038	approved	31.102	071		R99	F	General corrections	3.4.0	3.5.0	T3
TP-010038	approved	31.102	072		R99	F	Correction of the EF(UST) for Packet Domain	3.4.0	3.5.0	T3
TP-010038	approved	31.102	073		Rel-4	C	Introduction of the voicemail, message waiting and call forward indication features	3.4.0	4.0.0	T3
TP-010038	approved	31.102	074		Rel-4	C	Introduction of the PLMN Network Name feature from the Common PCN Handset	3.4.0	4.0.0	T3
TP-010038	approved	31.102	075		Rel-4	C	Introduction of Operator PLMN List	3.4.0	4.0.0	T3
TP-010038	approved	31.102	076		R99	F	Usage of 'FF' in the EF(PBR)	3.4.0	3.5.0	T3
TP-010038	approved	31.102	077		R99	F	Correction of EF(ANR) (CR number changed from CR 076)	3.4.0	3.5.0	T3
TP-010068	approved	31.102	078		R99	F	Correction of Tag values	3.4.0	3.5.0	T3
TP-010039	approved	31.111	025		R99	F	Correction of TERMINAL PROFILE	3.3.0	3.4.0	T3
TP-010039	approved	31.111	026		Rel-4	A	Correction of TERMINAL PROFILE	4.1.0	4.2.0	T3

TP-010039	approved	31.111	027		Rel-4	F	Addition of UTRAN to the technology indicator	4.1.0	4.2.0	T3
TP-010039	approved	31.111	028		Rel-4	C	Introduction of additional Access Technology Indicator values"	4.1.0	4.2.0	T3
TP-010039	approved	31.111	029		R99	F	Correction of Annex A: Support of USAT by Mobile Equipment	3.3.0	3.4.0	T3
TP-010039	approved	31.111	030		R99	F	Alignment with GSM 11.14 for reserved TIA/EIA-136 tags"	3.3.0	3.4.0	T3
TP-010039	approved	31.111	031		R99	F	Correction of reference to GSM 02.40	3.3.0	3.4.0	T3
TP-010039	approved	31.111	032		Rel-4	A	Correction of reference to GSM 02.40	4.1.0	4.2.0	T3
TP-010039	approved	31.111	033		Rel-4	B	Addition of variable timeout to the Display Text command	4.1.0	4.2.0	T3
TP-010039	approved	31.111	034		Rel-4	F	Correction to display parameters tag	4.1.0	4.2.0	T3
TP-010039	approved	31.111	035		Rel-4	B	Use of USAT Bearer independent protocol for local links. Client use case.	4.1.0	4.2.0	T3
TP-010039	approved	31.111	036		Rel-4	B	Use of USAT Bearer independent protocol for local links. server use case.	4.1.0	4.2.0	T3
TP-010039	approved	31.111	037		Rel-4	A	Correction of Annex A: Support of USAT by Mobile Equipment	4.1.0	4.2.0	T3
TP-010039	approved	31.111	038		Rel-4	F	Alignment with GSM 11.14 for reserved TIA/EIA-136 tags"	4.1.0	4.2.0	T3
TP-010039	approved	31.111	039		Rel-4	B	Addition of variable timeout to GetInkey command	4.1.0	4.2.0	T3
TP-010039	approved	31.111	040		Rel-4	C	Precisions on the PlayTone command	4.1.0	4.2.0	T3
TP-010018	approved	34.108	032		R99	F	Default radio conditions for multi-cell environment	3.2.0	3.3.0	T1
TP-010018	approved	34.108	033		R99	F	Correction for Generic Setup Procedures (34.108 clause 7.2)	3.2.0	3.3.0	T1
TP-010018	approved	34.108	034		R99	F	Corrections for Test USIM Parameters(34.108 clause 8)	3.2.0	3.3.0	T1
TP-010018	approved	34.108	035		R99	D	Correction of clause number in TS 34.108.	3.2.0	3.3.0	T1
TP-010018	approved	34.108	036		R99	C	Update of authentication test algorithm	3.2.0	3.3.0	T1
TP-010018	approved	34.108	037		R99	F	Updates to clause 9 of TS 34.108 v3.2.0	3.2.0	3.3.0	T1
TP-010018	approved	34.108	038		R99	F	Updating to TDD single mode	3.2.0	3.3.0	T1
TP-010018	approved	34.108	039		R99	F	Simulated network environments for TDD mode (SIB)	3.2.0	3.3.0	T1
TP-010019	approved	34.121	056		R99	F	CR on Test tolerance for 6.5 Blocking Characteristics	3.3.0	3.4.0	T1
TP-010019	approved	34.121	057		R99	F	CR on Test tolerance for 6.7 Intermodulation Characteristics	3.3.0	3.4.0	T1
TP-010019	approved	34.121	058		R99	F	CR on Test tolerance for 5.5.1 Test Tolerance for Transmit OFF power	3.3.0	3.4.0	T1
TP-010019	approved	34.121	059		R99	F	CR on Test tolerance for 6.6 Spurious Response	3.3.0	3.4.0	T1
TP-010019	approved	34.121	060		R99	F	CR on Test tolerance for 5.11 Test Tolerance for Transmit Spurious emissions	3.3.0	3.4.0	T1
TP-010019	approved	34.121	061		R99	F	CR on Test tolerance for Annex.F TS34.121	3.3.0	3.4.0	T1
TP-010019	approved	34.121	062		R99	F	CR on Test tolerance for 5.2 Maximum output power	3.3.0	3.4.0	T1
TP-010019	approved	34.121	063		R99	F	CR on Test tolerance for 5.4.3 Minimum Output Power	3.3.0	3.4.0	T1
TP-010019	approved	34.121	064		R99	F	CR on Test tolerance for 5.9 Spectrum Emission Mask	3.3.0	3.4.0	T1
TP-010019	approved	34.121	065		R99	F	CR on Test tolerance for 5.10 ACLR	3.3.0	3.4.0	T1
TP-010019	approved	34.121	066		R99	F	CR on Test tolerance for 5.12 Transmit Intermodulation	3.3.0	3.4.0	T1
TP-010019	approved	34.121	067		R99	F	CR on Test tolerance for 6.2 Reference Sensitivity Level	3.3.0	3.4.0	T1
TP-010019	approved	34.121	068		R99	F	CR on Test tolerance for 5.3 Frequency Error	3.3.0	3.4.0	T1
TP-010019	approved	34.121	069		R99	F	CR on Test tolerance for 5.8 Occupied Bandwidth	3.3.0	3.4.0	T1
TP-010019	approved	34.121	070		R99	F	CR on Test tolerance for 5.13.1 EVM	3.3.0	3.4.0	T1
TP-010019	approved	34.121	071		R99	F	CR on Test tolerance for 5.13.2 PCDE	3.3.0	3.4.0	T1
TP-010019	approved	34.121	072		R99	F	CR on Test tolerance for 5.4.4 Out of Synchronisation transmit power	3.3.0	3.4.0	T1
TP-010019	approved	34.121	073		R99	F	CR on Test tolerance for 6.4 ACS	3.3.0	3.4.0	T1
TP-010019	approved	34.121	074		R99	F	CR on Test tolerance for 6.8 RX Spurious Emissions	3.3.0	3.4.0	T1
TP-010019	approved	34.121	075		R99	F	CR on corrections to DL compressed mode	3.3.0	3.4.0	T1
TP-010019	approved	34.121	076		R99	F	CR on Corrections to DL 384kbps and BTFD measurement channels	3.3.0	3.4.0	T1
TP-010019	approved	34.121	077		R99	F	CR on Corrections to Maximum output power	3.3.0	3.4.0	T1

TP-010019	approved	34.121	078		R99	F	CR on RX spurious emissions	3.3.0	3.4.0	T1
TP-010019	approved	34.121	079		R99	D	CR on Editorial correction to channel number	3.3.0	3.4.0	T1
TP-010019	approved	34.121	080		R99	F	CR Correction of Annex-E and reference information to Annex E	3.3.0	3.4.0	T1
TP-010019	approved	34.121	081		R99	D	Editorial corrections	3.3.0	3.4.0	T1
TP-010076	approved	34.121	082	1	R99	F	Regional requirements on Test Tolerance	3.3.0	3.4.0	T1
TP-010020	approved	34.122	009		R99	F	Test tolerance for 5.7.1 TDD EVM	3.2.0	3.3.0	T1
TP-010020	approved	34.122	010		R99	F	Test tolerance for 5.7.2 TDD PCDE	3.2.0	3.3.0	T1
TP-010020	approved	34.122	011		R99	F	Test tolerance for 5.2 Maximum Output Power test case	3.2.0	3.3.0	T1
TP-010020	approved	34.122	012		R99	F	Test tolerance for 5.3 Frequency Stability	3.2.0	3.3.0	T1
TP-010020	approved	34.122	013		R99	F	Test tolerance for 5.4.2 Minimum Transmit Output Power	3.2.0	3.3.0	T1
TP-010020	approved	34.122	014		R99	F	Test Tolerance for 5.4.3 Transmit OFF power	3.2.0	3.3.0	T1
TP-010020	approved	34.122	015		R99	F	Test tolerance for 5.4.5 Out-of-synchronisation handling of output power	3.2.0	3.3.0	T1
TP-010020	approved	34.122	016		R99	F	Test tolerance for 5.5.1 Occupied Bandwidth	3.2.0	3.3.0	T1
TP-010020	approved	34.122	017		R99	F	Test tolerance for 5.5.2.1 Spectrum Emission Mask	3.2.0	3.3.0	T1
TP-010020	approved	34.122	018		R99	F	Test tolerance for 5.5.2.2 ACLR test case	3.2.0	3.3.0	T1
TP-010020	approved	34.122	019		R99	F	Test Tolerance for 5.5.3 Spurious emissions	3.2.0	3.3.0	T1
TP-010020	approved	34.122	020		R99	F	Test Tolerance for 5.6 Transmit Intermodulation	3.2.0	3.3.0	T1
TP-010020	approved	34.122	021		R99	F	Test Tolerance for 6.2 Reference Sensitivity Level	3.2.0	3.3.0	T1
TP-010020	approved	34.122	022		R99	F	Test Tolerance for 6.4 Adjacent Channel Selectivity	3.2.0	3.3.0	T1
TP-010020	approved	34.122	023		R99	F	Test tolerances to 6.5 Blocking Characteristics	3.2.0	3.3.0	T1
TP-010020	approved	34.122	024		R99	F	Test tolerances to 6.6 Spurious Response	3.2.0	3.3.0	T1
TP-010020	approved	34.122	025		R99	F	Test tolerances to 6.7 Intermodulation Characteristics	3.2.0	3.3.0	T1
TP-010020	approved	34.122	026		R99	F	Test Tolerance for 6.5 RX Spurious Emissions	3.2.0	3.3.0	T1
TP-010020	approved	34.122	027		R99	F	Test tolerance for Annex F in TS34.122	3.2.0	3.3.0	T1
TP-010020	approved	34.122	028		R99	F	Correction concerning the coexistence of TDD and FDD in the same band	3.2.0	3.3.0	T1
TP-010020	approved	34.122	029		R99	F	Clarification of the mentioned parameter alpha	3.2.0	3.3.0	T1
TP-010020	approved	34.122	030		R99	F	Correction concerning the channel number calculation	3.2.0	3.3.0	T1
TP-010020	approved	34.122	031		R99	F	Correction concerning UE maximum output power classes	3.2.0	3.3.0	T1
TP-010020	approved	34.122	032		R99	F	Correction of Out-of-Sync criteria	3.2.0	3.3.0	T1
TP-010021	approved	34.123-1	048		R99	F	Idle mode test cases	3.2.0	3.3.0	T1
TP-010021	approved	34.123-1	049		R99	F	Updates to clause 8 of TS 34.123-1 version 3.2.0	3.2.0	3.3.0	T1
TP-010021	approved	34.123-1	050		R99	F	Update to GMM test case.	3.2.0	3.3.0	T1
TP-010021	approved	34.123-1	051		R99	D	Update to 16. SMS test specification	3.2.0	3.3.0	T1
TP-010021	approved	34.123-1	052		R99	F	Annex B: Update of versions of core specifications	3.2.0	3.3.0	T1
TP-010022	approved	34.123-2	007		R99	F	Update of Applicability statements for “Idle mode test cases”	3.2.0	3.3.0	T1
TP-010022	approved	34.123-2	008		R99	F	Updates to clause 4 of TS 34.123-2 version 3.2.0	3.2.0	3.3.0	T1
TP-010022	approved	34.123-2	009		R99	F	Update of Applicability statements for GMM	3.2.0	3.3.0	T1

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 HOLEY	BT	ETSI	kevin.holley@bt.com	+44 1473 605604
Secretary	Michael SANDERS	ETSI (3GPP support)	3GPP	sanders@etsi.fr	+33 4 9294 4290
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
Secretary	Lidia SALMERON	ETSI (3GPP support)	3GPP	salmeron@etsi.fr	+33 4 9294 4349
- RF Sub Working Group					
Chair	Kunitoshi YONEKURA	Fujitsu	ARIB	yonekura@ mrt.ts.fujitsu.co.jp	+81 44 754 3747
- Signalling Sub Working Group					
Chair	Dan FOX	Anritsu Ltd	ETSI	dan.fox@eu.anritsu.com	+44 1582 433357
TSG-T WG2 (UE capabilities)					
Chair	Kevin HOLLEY	BT	ETSI	kevin.holley@bt.com	+44 1473 605604
Vice chair	Peter NEUMANN	Siemens	ETSI	peter.neumann@mch.siemens.de	+49 89 7223 6718
Vice chair	Toshihiro SHIMIZU	Matsushita	ARIB	toshi.shimizu@mci.co.uk	+44 1635 871 466
Secretary	Friedhelm RODERMUND	ETSI (3GPP support)	3GPP	rodermund@etsi.fr	+33 4 9294 4324
- Mobile Execution Environment (MExE) (Sub Working Group 1)					
Chair	Mark CATALDO	Motorola	ETSI	mcatald1@email.mot.com	+44 1793 566 297
- UE Capabilities and Interfaces (Sub Working Group 2)					
Chair	Kazuya HASHIMOTO	NEC	ARIB	kazuya.hashimoto@nectech.co.uk	+44 1189 654 527
- Messaging (Sub Working Group 3)					
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ANNEX F TSG-T Email lists and server locations

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. 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/

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/