Technical Specification Group

TERMINALS

(TSG-T)

draft v0.3

Meeting Report of TSG-T meeting #20
Hämeenlinna, Finland, 4 - 6 June 2003

Hosted by Nokia

Contents

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

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, T2 Vice-chairman Paul VOSKAR (Nokia) welcomed the delegates to Hämeenlinna.

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-030076 contains the draft agenda for TSG-T #20. The agenda was approved and can be found in annex A of this report.

3   Approval of the meeting report from TSG-T #19 meeting

TP-030075 contains the draft report from TSG-T #19 (Birmingham, 12 – 14 March 2003). It was approved.

4   Letters and reports from other groups, LS incoming

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

TP-030077 contains the summary of TSG-SA#19 results related to TSG-T.
The document was noted.

TP-030078 contains the draft report of TSG-SA #19 (Birmingham, 17 – 20 March 2003).
The report was noted without presentation.

TP-030142 contains the draft summary minutes from 3GPP PCG Meeting#10, Ottawa, 2 May 2003.
It was reported that the GSM Association will be requested that they provide an assessment on the urgency and need for an alternative 3G Ciphering and Encryption algorithm. The TSG Leaders are going to prepare guidance for Chairmen on the procedure to follow in the event that a 3GPP meeting may need to be cancelled. 3GPP is looking for an alternative venue for the TSG meetings currently scheduled to take place in China, March 2004. CWTS has changed its name to CCSA. From 2004 onwards, 3GPP Working Groups should only plan to hold one meeting between successive meetings of their parent TSG. The TSG Leaders will review the current TSG/WG structure and provide a recommendation to PCG#11. Correspondence had been received from OMA that included a proposed framework within which 3GPP and OMA could co-operate. The 3GPP view is that no specific provisions were required for 3GPP and OMA to co-operate effectively. A discussion took place about when a release should be frozen. Freezing a Release too early can cause higher workload to the WGs and MCC in terms of CRs.
The report was noted.

TP-030143 contains the draft summary minutes from 3GPP Organizational Partners Meeting#9, Ottawa, 2 May 2003.
The report was noted.

TP-030088 contains an LS from GERAN to TSG-T-WG3, TSG-T on SIM Application Tool Test Specification. TSG GERAN has agreed to transfer the ownership of 11.10-4 R96 and its successors to TSG-T WG3, together

with the responsibility upon T3 to continue the work of testing the SIM Application Toolkit and requests TSG-T to confirm its acceptance.

TSG-T agreed to accept the responsibility for maintaining and developing 11.10-4. The LS was noted.

TP-030093 contains an LS from T3 to TSG-T on the transfer of responsibility of the SAT test specification from GERAN5 to T3.

The LS was noted without presentation.

TP-030089 contains an LS from SA1 to T3 cc TSG T, TSG CN1, EP SCP on (U)SIM Toolkit originated emergency calls. SA1 asks T3 to remove the support for (U)SIM Toolkit origination of emergency calls from their specifications for stage 3 from Release 6 onwards.

- T3 replied in an LS which was not copied to TSG-T that there is a need for this feature and that there are already implementations in the field.
- A discussion took place about a possible misalignment between stage 1 and stage 3. The T3 specification currently states that if the toolkit delivers a string of "112" then the UE should setup a emergency call.

The LS was noted.

TP-030090 contains an LS from T1 to RAN4 cc TSG-T on Test Case for UE Phase Discontinuity. T1 asks RAN4 to decide if the minimum requirement of UE phase discontinuity can be considered release independent.

- Would a mobile fulfilling the Rel-5 criteria fails the R99 tests? Tightening of a test specification doesn't create a problem in this respect. In case of a relaxation of the requirements it has do be done in a way that a Rel-X mobile does not fail the requirements of Rel-X-1.
- It was clarified that in this case Release independent refers to the spectrum and not to 3GPP Releases.

The LS was noted.

TP-030092 contains an LS from RAN4 to T1 cc T on "Test Case for UE Phase Discontinuity". RAN4 would like to inform T1 on the decision that the minimum requirement of UE phase discontinuity should not be considered release independent. Therefore, the test case should be aligned with the core specification 25.101 Rel-5 and included in the Rel-5 test specification.

- The implication is that T1 will create a Rel-5 test version of TS 34.121.

The LS was noted.

4.2   Others

No documents were treated under this agenda item.

5   Reports from TSG-T Working Groups

5.1   WG T1 Mobile Terminal Conformance Testing

5.1.1   Reports and liaisons from T1

TP-030095 contains the status report from T1 covering the period since the last TSG-T meeting. TP-030096 contains the draft minutes from the last T1 meeting.

T1#19 was held in Seoul, Korea, 12 – 16 May 03, hosted by Samsung and attended by 41 delegates, preceded by a joint RAN4/T1 RF experts meeting 6 – 7 May. Approximately 300 documents were processed between the SWGs.

50 new TTCN test case were approved by email since T1#18.

The one Meeting Option was adopted which has lead to reduced documentation overheads. Effective Informal workshop sessions were held. Convener & Support Assistant positions adopted for each of the two functional areas.

5.1.1.1   RF test status

Main topics covered

RRM test progress, joint RAN4/RF meeting, maintenance of R99 specifications, status of specifications and outstanding issues, production of test time optimisation Technical Report, first Rel-5 CR to 34.121 triggering the creation of a Rel-5 specification.

RRM Background Analysis

Considerable effort between meetings to evaluate the method of error analysis to determine the test tolerance for Cell Reselection in CELL_FACH test cases in TS 34.121 (8.3.5.1 & 8.3.5.1). Relative worst case scenario and statistical approach both deemed acceptable and further analysis is ongoing, with early results promising. Parameters agreed for single frequency test (8.3.5.1). RAN4 guidelines requested for two frequency tests (8.3.5.2). Encouraging progress to be expected at T#21.

Status of RRM tests

The status of the completeness of RRM tests was given (TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD); TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)). Advances were made to the TS 34.122 Rel-4 bringing up the percentage of completed tests from 60 to 70 %.

Maintenance of R99 Specifications

A follow-up database is maintained. It provides assistance in tracking the changes to core specifications that are not covered by relevant test specification CRs. Updates were made in accordance with the latest core specifications.

TS 34.121 Rel-5

One Rel-5 CR has triggered the creation of the Rel-5 spec. T1 is investigating the best method of a maintaining a single Release document (Rel-5) to cover R99 & Rel-4 & Rel-5 such that it is clear to the customer where the specifications refer to the different core specification releases.

Total Test Time

Drafting of TR 34.901 v2.0.0 "Test Time Optimisation based on statistical approaches" now completed. To be presented for approval at this plenary.

5.1.1.2   Signalling test status

Status of TS 34.108 –Common Test Conditions for User Equipment (UE) Conformance Testing

The maintenance of default message contents and procedures is in line with March 03 core specification. The introduction and removal of RAB combinations is in line with RAN LSs.

Status of TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement

Inter RAT test cases have been added and the specification has been updated in line with Mar 03 core specifications. The removal of redundant RAB test cases is considered to have no coverage impact. The removal of redundant state transition test cases is considered to have no coverage impact. Inclusion of test cases for RRC Measurement Control and Report: Inter-frequency measurement and Traffic Volume (TDD).

Status of TS 34.123 – 2 –UE Conformance Specification, part 2 –   ICS Implementation Statement

The TS was updated to reflect changes in TS 34.123 – 1.

Status of TS 34.123 – 3 –UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)

66 TTCN test cases are now verified by T1 to Mar 02 baseline. Another 10 are expected in the next 2 weeks by email. The quick progress in this area is quite encouraging.

Over 90 P1 & 48 P2 TTCN test cases have now been verified by Motorola against the Jun 02 baseline. Although these will still need to be reviewed by T1, it prepares the way for a smooth transition to update the test cases against a later version of core specifications in accordance with the GCF certification criteria.

Strategy agreed for conversion to Mar 03 baseline: Up to end Jul 03, P1 & P2 verified test cases available as Mar 02. Between T1#20 and T#21 all existing tests subject to regression testing using Mar 03 baseline. At T#21 approval will be sought for P1 & P2 test cases against Mar 03. Thereafter only CRs received will reflect Mar 03 baseline or later. Approved test cases will be published in v 3.2.0.

TP-030097 contains the TTCN Project Team (160) report.

> Overview

> Four TTCN deliveries have been issued on baseline March 02 between T#19 - T#20. Formal delivery of V310 in 34.123-3. Three T1 interim working deliveries.

> Majority of the T1 prose signalling CRs approved in T#19 implemented in TTCN.

> 200 corrections resulted from 70 verification documents.

> Total 66 verified P1 test cases (TCs) available. 50 P1 TCs verified for approval. To be included in 34.123-3, V320.

> Accelerated TTCN verification since 2 months. 5 TCs/week are verified.

> Verification result from manufacturer labs. They can perform 89 P1 TCs + 48 P2 TCs . Errors reported back to MCC task 160.

> Call for experts

> New call for experts have been launched. Availability of the current experts at 2nd half 2003 will be lower. Replacement of experts needed to ensure P2 and P3. The Call for Experts has been sent to the other Organisation Partners. Experts will be selected at end of July by T1 leadership. Recently Qualcomm contributed to ETSI 1 mm funding to demonstrate their firm support to 3GPP TTCN work.

The TTCN status 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.

TP-030107 contains the Call for experts for MCC Task 160. The document was noted.

5.1.1.3   Other issues

Enabler Conformance Testing Discussion

As a result of a white paper generated by Vodafone, circulated within the GCF, the issue of enabler conformance testing was considered by T1 delegates to establish whether it could or should assist OMA to develop test specs. There was unanimous agreement that development of test specs had to be done by someone, somewhere. No overall consensus that T1 was best placed to contribute to the work at this time and a concern was raised that there was already enough to do meeting the current GCF requirement. T1 could consider Rel-6 features if 3GPP thought it a requirement in the future. It should be noted that T1 has not made any formal offer to OMA to provide assistance it has only investigated the possibility of whether it should or could provide assistance. Advice is sought from the T Plenary.

The Way Ahead – Update since T#19

More active liaison with RAN 4 took place. Joint meeting of RAN4/T1 RF experts 6-7 May 03, progressing 'grey area' issues. No immediate plans to reconvene but possibility left open now precedence has been set.

Close liaison with the GCF is maintained: Increased throughput of TTCN verified test cases to the industry for validation in accordance with the GCF. Re-verification programme prepared to move existing TTCN tests (Mar 02) to later core spec baseline (Mar 03) as requested by the GCF. GCF UAG Chair and T1 Chair exchange post meeting updates.

Only tentative progress was made regarding establishing a working relationship with OMA IOP WG. The T1 Chair is participating in IOP WG conference calls. Presentation of T1 towards OMA has not happened yet.

The Way Ahead – T1 Chair's Aspirations for the next 3 months

Support to GCF for TTCN verified test cases. Deliver minimum 80% of package 1 to Mar 02 by late Jun 03. Deliver minimum 40% of package 2 to Mar 02 by late Aug 03. Initiate and complete baseline conversion of package 1 & 2 to Mar 03 for T#21 approval. Agree approach to determine tolerance measurements and complete at least 2 of the outstanding RRM test cases.

During the general discussion of the report, the following comments were made::

- It was asked whether ad hoc meetings could be better publicised. This question was related to a RAN4 ad hoc meeting which was held with a very short notice. It was clarified that there is no definition for an ad hoc meeting in the working procedures and therefore ad hoc meetings are not considered as 3GPP meetings. It was clarified by the T1 chairman later during the meeting that the aforementioned RAN4 meeting was not an ad hoc meeting but only an informal meeting between experts of some companies.
- It was clarified that the PCG decision puts a limit on the number of meeting which will be supported and not on the number of meetings which a WG is allowed to have.
- It is the intention that the relaxation of the Integrity protection only extends to this meeting.
- T1 has the intention is to seek agreement to maintain only a single version of TS 34.121. It was clarified that his was agreed in T1 but the document has yet to be prepared. Agreement from TSG-T will be sought as soon the document has been created. This approach optimises the use of resources from the MCC point of view. It was clarified that this approach does not make the TCs release independent but shows for each test case to which release it applies.
- The question came up if this approach could be used for all 3GPP specs. It was clarified that this concept is easier to apply to test cases but it could be quite difficult to apply it to core specifications.
- It was reported that strategy agreed for conversion to Mar 03 baseline is in line with the GCF expectations.
- Enabler Conformance Testing Discussion:
  The T1 chairman reported that OMA currently focuses on test fest / interoperability aspects and that conformance testing might be looked at a later time. T1 could possibly treat the parts of the protocols where T2 has the best knowledge of, and OMA could do the testing in their area of competence. T1 and OMA have yet to discuss this further as T1 is waiting on guidance from TSG T. If things become clearer T1 might look for resources within their group, and thenT1 would present to TSG-T a more concrete proposal on how to address this new topic. Some concerns were expressed: It is fine for T1 offering assistance to OMA but it would not be good to start application enabler testing as a new work area in T1. The more groups are involved in a certain work, the more coordination is needed making the whole work less efficient. However, currently it is not clear if OMA is going to deal with all enablers covered by 3GPP and if there is a separation then 3GPP specific enablers would have to be done by T1. It was suggested that the owner of the core specifications should decide where to do the testing. Some doubts were expressed if OMA will be capable of creating the conformance test cases for the enablers. The proposal was not agreed of having TSG-T endorsing that T1 studies the matter and liaises with OMA. It was felt that as long nobody proposes a concrete case WID it is difficult to make a decision. A more strategy level decision might be needed. One important aspect is to test APIs which influence the behaviour of the telephone. MBMS, IMS, MMS could be possible further areas of application enabler testing. T1 asked that the situation should be raised in the proposed joint 3GPP-OMA workshop, that T1 has looked into this work but hasn't started any work beyond it's scope. Possibly in areas where 3GPP owns the core specifications, conformance testing could be addressed in 3GPP. If companies bring specific proposals to T1 then these will be carried forward.

The progress report from T1 was noted. Regarding the discussion about application enabler testing, TSG-T noted the ongoing work in T1, however, the specific advice requested was not provided. Any further investigations in this area in T1 are contribution driven. In the proposed joint 3GPP-OMA workshop the situation should be raised that T1 has looked into this work but hasn't started any work beyond it's scope.

5.1.1.4 LS from T1 to TSG-T

See 4.1.

5.1.2 Questions for advice and decisions on T1 issues

TSG-T endorsed in principle T1's approach of having one specification TS 34.121 for all Releases (R99, Rel-4, Rel-5).

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-030098 contains CRs to 34.108. The CRs were all approved.

TP-030099 contains CRs to 34.121. The CRs were all approved. It was clarified that one CR is creating a Rel-5 version of 34.121. Currently only a R99 version exists but no Rel-4 version.

- It was pointed out by the specification manager that omitting Releases is not possible.

TSG-T decided to create a Rel-4 version of 34.121. To avoid additional maintenance work, it is expected that a CR will be delivered at the next meeting removing the content of R99 or Rel-4 and replacing it by a pointer.

TP-030100 contains CRs to 34.122. The CRs were all approved.

TP-030101 contains CRs to 34.123-1 related to RRC package 1 and 2 test cases. The CRs were all approved.

TP-030102 contains CRs to 34.123-1 related to RRC other packages and TDD test cases. The CRs were all approved.

TP-030103 contains CRs to 34.123-2. The CRs were all approved.

TP-030104 contains CRs to 34.123-3.

The CRs were all approved with the exception of CR 061 which was withdrawn.

TP-030105 contains TR 34.901 v2.0.0 "Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance" presented for approval.

- In the introduction section it said that this technical report contains contributions from Rohde & Schwarz and Ericsson. TSG-T felt that it doesn't seem appropriate to mention companies in the specifications.

The TR was revised to TP-030145.

TP-030145 contains the revised TR 34.901. The changes were the removal of the companies from subclause 4 and the addition of some information about the two distinct approaches made to determine total test time optimisation in the same subclause.

- It was clarified that with every change of a specification the version number has to change. This applies also to documents which are not under change control yet.

Some minor changes were made including the version change to v2.0.1 and the document was approved as in TP-030153.

TP-030106 contains the T1 WID update for approval. New WI 53 to cover CRs to Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band. The work item Conformance Testing of MExE Environment was removed.

The WID update was approved.

TP-030109 contains CRs to 34.123-1 related to Idle mode, Layer 2, RABs, NAS and SMS test cases..

A discussion took place about 34.123-1 CR495:

- The CR adds the sentence "Whether the UE is capable of displaying short messages in PS mode." It was commented that it should rather refer to receiving than displaying. Displaying the content of a short message is a different capability than receiving it. Additionally, the definition of PS mode seems missing.
- This test is about a SM class 0 which is about immediate display. This CR does an addition about the declared capabilities of the mobile (ICS/IXIT Statements). It does not change the test case.
- This raised the fundamental question on SMS class 0 related to requirements. Is it a hard requirement that the SMS class 0 should overwrite the current screen display e.g. WAP browser ?
- It seems that this is more a core specification than a test specification issue.
- It was clarified that this CR is the logical consequence of something agreed at the last meeting.
- 23.038 says about class 0: "When a mobile terminated message is class 0 and the MS has the capability of displaying short messages, the MS shall display the message immediately…" So the added sentence could indeed refer to the display capabilities, however, why should display capabilities be different in PS mode ?

All CRs were approved with the exception of 34.123-1 495. T1 was asked to look into this and to come up with an improved solution. The T2 chairman (who is also the SMS rapporteur) offered his assistance.

TP-030110 contains a CR to 34.123-3 on the addition of new approved test cases in test case list in Annex A. The CR was approved.

TP-030140 contains CRs to TS 34.108 and TS 34.123-1 from T1 e-mail approval. The CRs were approved.

TP-030141 contains a CR to 34.123-3. The CR was 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-030111 contains the T2 status report (slides) and TP-030112 contains the draft report the last T2 meeting.

5.2.1.1 Status report

TSG T2 Elections
Elections for the positions of T2 Chairman and two T2 vice Chairmen were held at T2#21:

      Ian HARRIS (RIM) was re-elected unopposed as T2 Chair
      Paul VOSKAR (Nokia) was elected unopposed as Vice Chair
Appointment of SWG chairs will take place at T2#22.

Key issues at T2#21
37 delegates attending, approx 145 tdocs processed by TSG T2#21. SWG1 did not meet.

Overlap of T2 work with OMA and interaction with other groups: T2 has produced 2 documents. One relating to OMA as requested by TST-SA and one including OMA and other groups as requested by TSG-T.

MMS WID: T2 reviewed the MMS WID and has created a REL-6 WID for TSG T approval. Only one item was removed through lack of support of any company. SA1 has been consulted and support the REL-6 WID. Supporting companies were asked if they were prepared to make a commitment to complete the work they support in time for REL-6. If there are no significant contributions at the next T2 on any item contained in the WID it is to be removed.

3GPP/3GPP2 MMS specification harmonisation:
T2 met informally with 3GPP2 who happened to be meeting in San Diego at the same time. The meeting was extremely productive.

3GPP2 believe there is no serious disparity affecting interoperability between 3GPP and 3GPP2 based on 23.140 5.3.0. However, 3GPP2 offered to examine the latest REL-5 (5.7.0) for disparities.

T2 offered to provide the REL-5 CRs since version 5.3.0 and the REL 6 CRs to date. This was welcomed by 3GPP2.

T2 and 3GPP2 agreed to notify each other of any potential disparity in ongoing work that might affect interoperability between 3GPP and 3GPP2 MMS specifications.

T2 offered to look at the structure of 23.140 to see if a structure similar to that adopted by 3GPP2 for their MMS specifications was possible.

T2 and 3GPP2 agreed on some priorities for MMS harmonisation in the following order:

      Priority 1
           MM4 (MMSE Interworking)
           Media Formats
      Priority 2

Address Resolution
Priority 3
MM7 (VASP Interworking)
MM3 (Internet Interworking)
MMS Stage 2 functions
Capability negotiation other than UAProf

SWG2 (UE Interfaces and Capabilities) Summary

1 CRs (REL-6) and 2 LSs agreed CR relates to AT commands.

Although there are few documents output from SWG2, SWG2 processed 26 documents relating to GUP many of which have resulted in a rolling CR for the GUP specification 23.241.

Generic User Profile: Progress ongoing but no input documents to this TSG T. REL-6 specifications expected by September for information to TSG T and December for approval by TSG T. A rapporteur for 23.241 GUP Stage 2 Data description framework was appointed. GUP DDF is now referred to as GUP DDM (Data description Method).

UEM: No further work.

SuM: SA5 plans to base it on GUP.

WLAN: 3 contributions. Discussions ongoing. UE tunnelling investigation started in co-operation with SA2.

SWG3 Summary (MMS)

13 CRs 23.140 (2 REL-4, 2 REL-5, 9 REL- 6), 4 LSs and 1 MMS REL-6 WID agreed.

Minor maintenance work on REL-4 and REL-5.

REL-6:

MM7 - charging and addressing improvements

MM4 - Extension to Delivery reporting

DRM support in MMS completed

OTA provisioning for MMS completed

Analysis on MMS applicability to IMS - SA2 informed

T2 made the following conclusions concerning 3GPP2 MMS harmonisation and T2's relationship with OMA:

Re-structuring 23.140 to be re visited only after REL-6 is completed.

No need to involve SA4 on MMS media formats.

Transfer of Stage 3 MM4/MM7 to OMA to be discussed at TSG T level but not to affect the current REL-6.

No need for a T2 SWG3 working level meeting with OMA but a leadership meeting with OMA recommended to be debated at the TSG T level.

SWG3 Summary (SMS)

5 CRs (1 REL-99, 1 REL-4, 1 REL-5, 2 REL-6) and 2 LSs agreed.

One LS to ETSI AT-F concerns Fixed Network SMSCs (FSMSCs) and may require a meeting between T2 SMS experts and ETSI AT-F

SWG3 Summary (CBS)

1 LS agreed: A discrepancy between GSM and UMTS concerning the 'Service Area List' has been brought to T2's attention and is in the hands of the rapporteur.

The outstanding CBS matter from T3 at TSG T#19 concerning a possible discrepancy in 'message length and format' between GSM and UMTS implementations is ongoing. The T2 chairman stated that in his personal view, CBS for 3GPP systems would be difficult to implement, and that further work in this area was required.

During the general discussion on the report, the following comments were made:

- It was clarified that the informal 3GPP/3GPP2 joint discussions were held with 3GPP-X which is responsible for MMS.

- T2 SWG2 clarified that there is no further work in T2 on UEM. The planned delivery of the protocol specification and the GAP analysis have been removed from the UEM work plan.

- Slide 12: The T-vice chairman Kevin HOLLEY questioned whether there was an agreement not to move any MMS work before the end of Rel-6. OMA work item Web Services is about providing 3rd party access in a generic way and this overlaps with the MM7 work. There is also overlap with OMA for other MMS items. The T2 chairman replied that nobody has ever challenged this view inT2 or TSG-T. It seems to be the current working assumption not to change the responsibilities on MMS in Rel-6 although there hasn't been a formal decision.
- Slide 16: It was clarified that the issue from the T3 point of view was related to the CBS data download which is a different topic than CBS.
- An LS (T2-030316) was sent from T2 to SA1 and some OMA groups and it was suggested that in future LSs to OMA groups and SA1 are also send to the OMA requirements group.

The status report from T2 was noted.

5.2.1.2   LSs from T2 to TSG-T

TP-030091 LS from T2 to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ cc SA, T, SA2 on terminal MMS capability discovery prior MM notification. T2 informs SA1 that it believes a short term standardised mechanisms cannot be defined for REL-5. T2 welcomes CN4 to further investigate this matter. T2 will investigate the possibilities to accommodate the requirement in longer term REL-6 timeframe.

The LS 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

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

TP-030113 contains a CR on AT commands (TS 27.007). The CR was approved.

TP-030114 contains CRs on SMS (TS 23.040). The CRs were all approved.

TP-030115 contains CRs on MMS (TS 23.140).
- CR 123: The sentence "Two possible ways to provision an MMS-capable UE with MMS connectivity information are via the (U)SIM, cf. clause 7.1.14, and via over the air provisioning according to [55]." caused some confusion. The sentence gives the impression that the two ways are separate alternatives although they can be connected. Possibly an improvement of clarity could be done at the next T2 meeting.
- CR 120: This CR describes the DRM solution as having no involvement of the MMS relay/server. It is not sure if the solution described is exactly what is required from DRM for MMS. Vodafone is proposing to postpone the CR because they feel that their might be some gap. The forward-lock mechanism might have to be included in the specification. They will come back with contributions to the next T2 if needed. OMA DRM describes three mechanism for DRM: forward-lock, combined delivery, and separate delivery. The CR adopts the third mechanism. It was reported that the CR was discussed in the DRM group of OMA and that they will send an LS to 3GPP on this. They had some concerns about the note contained in the CR and whether there is a firm requirement for the MMS relay/server to check the forward-lock. It was pointed out that DRM has also to take care of the case of forwarding without downloading.

With Vodafone's concerns on CR 120 noted, the CRs were all approved.

TP-030116 contains the revised WID MMS Enhancements. For all items on the list input was announced for the next T2. It was clarified that T2 decided that those items which will have no input at the next T2 meetings will be deleted from the WID.
- Concerns were raised that the items are still not specific enough and that it is not clear what is exactly meant with many of these items.

The revised WID was approved.

5.2.4　　　Documents for information

No documents were presented under this agenda item.

5.2.5　　　Work programme review of T2

This topic was discussed under 6.3 and 7.

5.3　　　WG T3 USIM (new: Smart Card Application Aspects)

5.3.1　　　Reports and liaisons from T3

TP-030132 contains the status report (slides) for T3.

5.3.1.1　　　Status report

Information from TSG-T3#27

T3#27 was attended by 30 delegates from 9 countries. 27 CRs, 3 WID were agreed; 1 TR and 1 TS were agreed to be presented for information; 11 LSs were approved.

T3 decided to change the name of the group from "USIM" to "Smart Card Application Aspects" to reflect the fact that there is more than one application being maintained by the group, and therefore presented an updated ToR to TSG-T for approval (see TP-030126).

T3 stated that there is potential overlap of work with OMA on MMS and User Equipment Management (UEM). It was stated that the USIM could benefit the current UEM specifications (from a security point of view) and that 3GPP and OMA work in these areas should be monitored by T3.

T3 discussed the issues related to USIM Toolkit originated emergency calls. First regarding "SETUP CALL 112" because of an LS from SA1 stating that this command should be interpreted as set up of a normal call from Rel-6 onwards. In the current specifications this particular Toolkit command is interpreted to set up an emergency call, from R96 onwards. Some implementations already exist in the field. Secondly, regarding the CALL CONTROL which could modify any normal call into an emergency call; this could be in contradiction with SA1 requirements for emergency numbers since R99. Terminal manufacturers are invited to check on their implementation of these features. An LS to SA1 was sent by T3 to get further guidance.

T3 discussed two work items on MMS support on the card. The WID related to MMS as a bearer for the Toolkit was agreed (TP-030131). The WID on storage of MMs on the card was supported by 3 companies at T3 and was presented as a separate input document to the meeting (see also TP-030139), with an additional supporting company.

The request to include SIM/GSM services on the USIM as stated during the last T plenary was discussed and no conclusion could be reached at T3. An LS was sent to TSG-T and SA1 seeking clarification (TP-030094).

A contradiction related to the guardtime of the T=0 transport protocol in TS 11.11, TS 51.011 and TS 31.102 was discussed. A CR to TS 51.011 was agreed that aligned TS 51.011 to TS 11.11. The related CR to TS 31.102 was extensively discussed and a compromise finally agreed and put forward for approval in TP-030121/TP-030120.

TSG-T was asked to accept the handover of responsibility of TS 11.10-4 to T3 (see related LSs in TP-030088 and TP-030093).

The replacement of "SMS-CB" by "CBS" throughout the T3 specifications as requested by TSG-T at the last TSG-T plenary meeting was discussed. T3 concluded to postpone the issue and to point out that SMS-CB is used in many TSG-T documents. Changing this would be editorial and should not be applied to frozen Releases. Furthermore it was pointed out that TR 21.905 contains the abbreviation SMS-CB as a valid abbreviation.

T3 proposed to upgrade TS 22.048 ("Security mechanisms for the (U)SIM Application Toolkit; Stage 1") for Rel-5 without CR.

During the general discussion of the report, the following comments were made:

-　　　Slide 9: The T3 chairman pointed out that the bulk replacement of "SMS-CB" by "CBS" which T3 tried in their specs didn't read well in several occurrences within the specifications. The T2 chairman pointed out that CBS is not much in use and therefore this might be an academic exercise. The T3 API group will look at what can be done on this at their next meeting.

The T3 progress report was noted.

5.3.1.2   LSs from T3 to TSG-T

TP-030094 contains an LS from T3 to T, SA1 on support of GSM SIM files (and services) on the USIM. At T plenary #19 it was observed and noted that as a consequence of mandating a Release 5 GERAN-only MT to support the USIM from Rel-5 and onwards, all SIM services have to be supported in the USIM in order to provide service transparency across releases and technologies. T3 will prepare a CR or CRs to TS 31.102 fulfilling the action, however before being able to implement the request fully, T3 seek guidance on several open questions as mentioned in the LS. These questions include what was meant by SIM service and to which extent SIM services have to be mandated on the USIM.

Discussion:

-    It was proposed to compare the file system of the SIM with the file system of the USIM and to identify those files that are supported by the SIM but not currently by the USIM. After that the corresponding CRs could be created or further guidance on the further handling of the identified services could be sought.

-    It was asked to which extent 2G authentication (as being a SIM service) has to be supported by the USIM and what the impact would be in case of having a 2G HLR, Rel-5 GERAN terminals and the USIM operating. It was suggested to forward the issue to SA and SA3 in order to investigate more on that scenario and to ask SA and SA3 if it was acceptable to only accept 3G authentication in the above mentioned scenario. That implies that the 2G AuC has to be upgraded. The T3 chairman pointed out that if an operator started issuing USIMs, they are obliged to support these with a 3G AuC, even if their radio access system remained 2G.

-    It was reiterated that a Rel-5 GERAN-only terminal shall support the USIM.

-    It was stated that existing specifications and reports might need to be updated in order to reflect the scenario appropriately.

The LS was noted. T3 will generate the detailed interpretation of the consequences for the next plenary. T3 will look at the files and if there is no major problem will do the update from R99 onwards. It was agreed to bring the authentication issue to the attention of SA.

5.3.1.2   LSs from T3 to TSG-T

TP-030136 contains an LS from T3 to EP SCP cc 3GPP TSG-T, 3GPP2 TSG-C, EP SCP WG1 on the administration of tag values. T3 agrees with the procedure proposed by SCP, i.e. to let SCP allocate the tags needed by T3 (for instance for new USAT command elements).

The LS was noted.

TP-030137 contains an LS from T3 to 3GPP2 TSG-C, 3GPP2-SC cc 3GPP TSG-T on ISIM. T3 informs 3GPP2 TSG-C that the ISIM specification 3GPP TS 31.103 is available in Release 5, and that a Release 6 version is under elaboration: 3GPP2 were invited to visit the indicated site for details of the ISIM specification.

The LS was noted.

TP-030144 is a document from Nokia about inconsistency between stage 1 and stage 3 on Emergency call procedures (see also statement in progress report TP-030132 on the issue). In the present R99 and later specifications there is an inconsistency between the requirements in TS 22.101 on the emergency call procedures and the stage 3 implementation of the procedures in TS 11.14 (and TS 31.111). At TSG-T3 plenary #27 Nokia proposed a solution that would in effect prevent the Toolkit from making any emergency calls but rather let all Toolkit originated call attempts result in a normal call (the CR to TS 11.14 R99 in T3-030382 is attached to the present document). It will thus be the responsibility of the serving network to route a call to the emergency centre in case the Toolkit had modified the number.

-    It was noted that the T3 specifications have had this requirement from R96 onwards,, however, SA1 had changed the requirement for set up of emergency call from R99 onwards without informing T3 of these changes. Trying to do such a change at this stage would create problems since there are already implementations out in the field.

-    SA1 is asked to give further guidance on this issue, or to amend their specification accordingly.

-    Nokia proposed that the number should be dialled as a normal call and if the network recognised the number as an emergency number it routes the call to an emergency centre.

The attached CR was not approved. TSG-T advised T3 to continue the discussion and come back with a more integrated proposal to have a better basis to make a decision in TSG-T.

5.3.2 Questions for advice and decisions on T3 issues

TSG-T agreed to upgrade TS 22.048 ("Security mechanisms for the (U)SIM Application Toolkit; Stage 1") for Rel-5 without CR.

5.3.3 Approval of contributions from T3

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

TP-030117 contains a CR to TS 11.14. The CR was approved.

TP-030118 contains CRs to TS 11.10-4. The CRs were all approved.

TP-030119 contains a CR to TS 23.048. The CR was approved.

TP-030120 contains CRs to TS 31.101. The CRs were all approved.

TP-030121 contains CRs to TS 31.102. The CRs were all approved.

TP-030122 contains CRs to TS 31.103. The CRs were all approved.

TP-030123 contains CRs to TS 31.121. The CRs were all approved.

TP-030124 contains CRs to TS 51.011. The CRs were all approved.

TP-030125 contains CR to TS 51.013. The CRs were all approved. It was suggested not to put zip files into zip files in future. The T3 chairman pointed that in this particular instance, this was unavoidable.

TP-030126 contains the updated T3 Terms of Reference for approval. The ToR (Terms of Reference) were revised with minor editorial changes to TP-030147 which was then approved.

TP-030129 contains a Work Item Description on WLAN interworking aspects on UICC applications.
- Nokia reported that they objected to this work item in T3 because the requirement in SA1 is not clear. Furthermore, it has already been agreed that the SIM specifications are frozen at Rel-4 and this WI proposes to study additions to the SIM.
- It was commented that the Work Item is intended to start an investigation and that this does not imply that there will be changes to the SIM application. It will rather investigate on solutions based on the SIM as well as on solutions based on the USIM.
- It was further commented that the Work Item was initiated due to requests from SA1 and operators.
- It was reported that according to SA3 this shouldn't be done.
- It was pointed out that it is not sufficient to have four supporting companies for a work item. There has also to be consensus to start the work.
- Nokia, Siemens and Ericsson objected to the work item as currently presented.

The work item was not approved. T3 was asked to investigate if a revised version of the WID is required.

TP-030130 contains the updated Work Item Description on TS 23.048 test specification for approval.
The WID was revised with minor changes in TP-030148 which was approved.

TP-030131 contains the Work Item Description on MMS used as a bearer for USAT.
- It was suggested that the WID needs a system based review and that SA1 and SA2 should comment. MMS was seen as not efficient for usage as a pure transfer mechanism. A standard GPRS or a Toolkit-specific GPRS bearer could be more efficient.
- It was clarified that there was a requirement in an LS from SA1 to be able to send/receive MMS from/by the USAT.
- It was clarified that the WID is about USAT terminated MMs which are delivered directly to the Toolkit on the card. It's not about storing MM data on the smart card.

- A more comprehensive and more explanatory work item description is needed to explain the rational of this work item so that TSG-T has all the required background information to make a decision.

The WID was not approved. An LS was created on this topic in TP-030149. T3 is asked to come up with an updated version of the WID at the next T plenary.

TP-030149 contains an LS from TSG-T to SA2 cc SA1, T2, T3 on Work Item Description on MMS used as a bearer for USAT.

- It was reported that a related CR was approved at SA1 in Nov 2002 in Seoul. New CRs trying to define a more generic use of data are under email approval within SA1.
- Several comments and improvements were suggested: to send the LS to T2, to be more specific in the things which have to be investigated, to mention in the LS that the WID was not approved, to mention that the SA1 CR is under email approval.

The LS was revised to TP-030150.

TP-030150 contains an LS from TSG-T to SA1, SA2, T2 cc T3 on Work Item Description on MMS used as a bearer for USAT (revised TP-030149).

- The question was raised whether SA2 shouldn't get the information from SA1 first about the purpose of the requirement.

The LS was approved (with the unapproved WID as an attachment).

TP-030139 contains the WID about MMS storage in the smart card. The WID had not been approved in T3 but was brought to TSG-T directly with an additional supporting company.

- Concerns were expressed on the capabilities of the smart card to store MMs. A MM size of 30-50-kbyte would allow to store only one MM on currently existing cards. In future, larger cards will be available but it is questionable if operators want to invest in more expensive larger memory cards. Another issue is the transfer of the MM on the UE - USIM interface which will be rather slow, and could tie up the card interface for too long, thus preventing timely authentication, and resulting in the refusal of service to the user. It was stated that SCP currently work on solutions addressing that interface issue and the issue on the storage of large files.
- If it is predicted having a lot of memory on the card in future, it should be studied what other data is more relevant than MMS content to be stored on the card. It was clarified that this will be done in case the requirements to do so are given. It was stated that the requirement of storing MMs was given.
- It was clarified that current terminals have around 4Mbyte –128Mbyte available for storage of data including MMs
- The terminal would have to implement the capability to store the MM on the smart card and to find out if the card is able to store it. According to Nokia, it is expected that it will be possible to store only 1 or 2 messages with current technology.
- It was stated that the design of a system should not be restricted by technologies available today in order to make it future proof and therefore this work shouldn't be refused only because the smart card does not offer the assumed amount of necessary memory to store the MMs today.
- Another major problem for storage of multimedia messages (MMs) is that MMs have unlike SMS the problem of varying message size. It has to be looked at how to deal with the variable size of MMs. It is also not clear what is exactly is meant by the "partial storage" and how this is managed from the user point of view. Probably the move to shared memory is required soon instead of having memory assigned to certain data (dynamic/flexible memory management).
- It was suggested to widen the scope of this to a full feasibility study on how to store which data on the smart card.

The WID was not approved. TSG-T advised T3 to revise the scope of the WI based on the comments made during TSG-T for the next plenary. T3 will handle the procedural matter (in particular on the progress of underlying platform technologies) between T3 and SCP.

5.3.4   Documents for information

TP-030127 contains TS 31.130 "(U)SIM API for Java CardTM" for information. The document was noted.

TP-030128 contains TR 31.919 on 2G/3G Java CardTM API based applet interworking for information. The document was noted.

5.3.5   Work programme review of T3

See section 7 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   Work Plan

TP-030080 contains the MCC review of the Work Plan at TSG #20 presented by Alain SULTAN (MCC). Freezing Rel-6 in December 2003 (TSG#22) will lead to have 20 to 24 features in Rel-6. Freezing it three months later (TSG#23) will enable to include 9 to 11 additional features. There is a tendency to be too optimistic in terms of Foreseen Completion Dates.

Discussion:

– It was clarified that the foreseen completion date for the 2G/3G Java Card API is TSG-T#21.

– It was clarified that there were only minor enhancements in MExE Rel-6. Furthermore, the feasibility study on the run-time independent framework did not result in any further work in 3GPP.

The work plan presentation was noted. The revised version including comments from RAN, CN and T will be available in the next SA.

TP-030079 contains the latest version of the Work Plan. It was reported that the workplan has now been split into several files for the individual releases.

The document was noted.

TP-030152 contains a document giving an overview about the content of Rel-5. This document contains a high-level description of all 3GPP Release 5 Features. If this document is appreciated by the members, MCC will provide a similar document for other Releases.

– Regarding the MMS Feature, it was suggested to add the existence of reverse charging on MM charging.

– The TSG-T chairman felt that this was a very useful document.

The document was noted. Companies are asked to provide comments back to Alain SULTAN and/or the MCC person in charge for a certain feature.

6.2   Other issues

TP-030081 contains CRs to create earlier versions of 01.01.

- Some small mistakes were found and will be corrected in a revised version of this document which will be presented to SA for approval.

The document was noted.

TP-030082 contains CRs to the specifications lists.

The document was noted.

TP-030084 contains the specs status list prior to TSGs#20.

The document was noted.

TP-030085 contains a document about friendly databases. During the Chairman's survey recently conducted by MCC, several TSG / WG officials commented that the Specs Status database and the Change Request database were too complex. Several improvements were introduced by 3GPP specification manager John Meredith.

The improvements were appreciated. The document was noted.

TP-030086 contains a list of specifications not under change control.

The document was noted.

TP-030087 contains a document about renumbering of 21.102, 21.103, 41.102, 41.103.

The document was noted.

6.3 3GPP-OMA cooperation

TP-030138 contains a summary of T2 activities.

Discussion:

- SMS is used as an alerting mechanism for MMS which means that there is interaction with OMA MMS. It was replied that the fact that OMA is using SMS does not mean that there is any interaction or interdependence on this. However, it was pointed out that the OMA took a specific code point which is reserved for their specific use. It should be avoided like it happened in the past with the WAP Forum that OMA takes a specific code point without asking T2.
- It was noted that only two areas of major activity are shown and the rest of the work is maintenance and technical enhancements and improvements. This raises the question what happens with T2 in case the MMS work will be moved to OMA. The most appropriate place for the remaining work has to be found.
- It was suggested to investigate if T2's maintenance work could not be done in future during the plenary week. Some companies supported this proposal.
- Another suggestion was to consider the creation of a messaging group under SA. It would be preferable to keep a high profile item like MMS under the umbrella of the 3GPP.
- There is a need for a place where issues which have been addressed by T2 are continued to be worked on.

The document was noted and the discussion was continued with the following documents.

TP-030135 contains a document on 3GPP-OMA overlap. The document list area of overlap for different work items. It is proposed to have a 3GPP-OMA Workshop. One candidate timing for this workshop would be in September, when 3GPP and OMA are meeting in Germany in subsequent weeks. This document will be presented to TSG-SA for further discussion.

Discussion:

- In relation to a question about the future of SA1, it was clarified that there are several areas in SA1 like Network Sharing, MBMS, WLAN which have no relation to OMA and therefore there will be enough work to keep SA1 busy.
- "T1 is trying to establish the gap between OMA's IOP work and the associated conformance tests that could be developed for enabler testing". It was suggested to say "close" instead of "establish". However, the document was not changed.
- T3 identified that OMA MMS might affect the smart card.

The document was noted and the discussion was continued with the following documents.

TP-030133 contains a procedure proposed by Siemens to decide the future OMA-TSG cooperation. It is proposed to take the working assumption that end of Rel-6 is the target date for the introduction of any major OMA – TSG-T work splits or work transfers. This would allow not to disrupt the ongoing Rel-6 work and to have time for 3GPP to prepare the transfer, and to give time to OMA to optimize the internal organization. Furthermore, it is suggested to send an LS to OMA.outlining possible ways of cooperation and asks OMA for their opinion on the feasibility.

Discussion:

- It was clarified that the document is intending to start preparing a decision including the details of a possible transfer. A lot of work is required to prepare a transfer and several problems have to be solved. However, the document is not suggesting to take a decision now.
- The TSG-T chairman suggested to have a show of hands to get a feeling about how many companies support the transfer of MMS work to OMA. A long discussion took place about the usefulness of such a show of hands, however, several companies supported the proposal. The result of the show of hands:
  - o 8 companies do NOT intend to support MMS work (bearer agnostic) in 3GPP after Rel-6
  - o 8 companies do intend to support MMS work (bearer agnostic) in 3GPP after Rel-6

- o 15 companies undecided
- It was reminded that OMA and 3GPP are "just" frameworks for people to work in and they have a strong overlap in members. They should not be considered as competing organizations.
- The statement in the document that OMA needs further time to establish work processes and to optimize the internal organization was questioned. Every organistaion is a living organisation and should strive to continuisly improve its ways of working.
- There are several issues to be solved if the work is going to be transferred. These are for example legal issues, copyright issues, patent policy, practical issues etc. Another question is if the maintenance of 23.140 could remain in 3GPP, or if even the 23.140 as a whole could stay in 3GPP and only new docs would be in OMA. The solution of these details have to be prepared ion a timely manner.
- It is very important that T2 concentrates on their Rel-6 work. T2 should not spend much time on discussion a work transfer to OMA. However, another opinion was that T2 has to discuss the work transfer and cooperation with OMA.

TSG-T advised T2 to focus on its work on Rel-6 and avoid spending too much time on discussing work transfer to OMA. TSG-T takes the working assumption that the discussion about addressing the balance of work should focus at the time of freezing of Rel-6.

TP-030134 contains a proposal from Siemens for a OMA-TSG worksplit on MMS. It is proposed that TSG-T agrees on the proposed MMS work split as a possible (others may follow based on input of other companies) option for the OMA – TSG-T work split on MMS. This means that OMA will be informed about the approach and asked for their position on the required commitments.

Discussion:

- It was felt that this could be a useful input to a joint 3GPP-OMA meeting because it summarizes several matters which have to be debated before a possible work transfer could take place.
- It was commented that it is a bit unclear in the document that the mentioned items have only to be addressed in case a work transfer will take place which has not been decided yet.

The document was noted.

TP-030151 contains a document from Nokia about the future organization of T2's work. It is proposed to close TSG T WG2 in connection with the transfer of MMS to OMA, and no later than the Release 6 freezing date. In connection with the closure of T2, it is also proposed to reorganize the TSG T plenary such that the first day of the meeting is devoted to maintenance activities of the specifications currently under the responsibility of T2.

Discussion:

- Concerns were expressed on having a technical session during a TSG meeting because the technical experts are often not present. It was replied that if there is a clear scope which work is performed in which group (which is well announced e.g. in the ToRs) then it is up to the individual delegations to provide the experts as necessary.
- It was reminded that TSG GERAN works in a similar way having plenary and WGs meeting in the same week. One saving is that the whole meeting is called plenary meeting and therefore each doc is a plenary doc which means that the docs don't have to be renumbered and resubmitted.
- Considering the budget constraints of MCC in 2004, some optimisation measures are necessary in 3GPP. One option are restructuring measures, other possibilities are improving the working methods towards the use of more electronic ways of working.
- It was commented that it should be looked at the whole of the 3GPP since it seems to be not very efficient having the closing plenaries of WGs reporting to the TSG-level. Possibly the GERAN model could be a model for the future for all 3GPP.

The document was noted.

7   Liaison Statements (LS) outgoing

One outgoing LS was approved in TP-030150. See section 5.3.3 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

TP-030146 from Nokia is about the TSG-T use of Automatic Document Numbering (ADN) and Distribution. TSG-T and its WGs should examine the possibility of adopting the existing ETSI ADN to determine its effectiveness. If such a system proves to be usable by the membership and valuable in saving MCC time, the experience gained by using the existing system could form the basis of proposal for improvements to increase its effectiveness.

Discussion:

- One problem is that there is currently no tool which supports the automatic CR numbering. Also this is not desired by all groups who only assign their CR numbers to approved CRs. Another disadvantage is that the current ADN tool doesn't support the creation of structured document lists.
- Claus DIETZE (MCC) gave an on-line presentation of the ADN tool. It was clarified that the upload of the documents is done manually by MCC.
- WGs should be encouraged to use the tool and if it does not fulfil all needs investigations could be done how to improve it. However, it should be left up to the individual groups to decide to use it.
- An additional advantage of ADN is that its use is independent from time zones whereas secretaries sleep sometimes during the night.

The document was noted. TSG-T leaves it up to the management (Chairman, Vice-chairmen, secretary) of each WG to decide about the usage. WGs are invited to gain experiences and give feedback regarding possible improvements of the tool.

11 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://www.3gpp.org

Meeting	Date	Host	Location
TSG-T #21 TSG-SA #21	17 - 19 September 2003 22 - 25 September 2003	Siemens	Berlin, Germany
TSG-T #22 TSG-SA #22	10 - 12 December 2003 15 - 18 December 2003	North American Friends of 3GPP	Hawaii, US

12 Close of the meeting

The meeting was closed by the chairman at 13:00. He thanked the WG chairman for their presentations and the delegates for their work and Nokia for hosting the meeting. He also expressed his thanks to his vice-chairs and the TSG-T secretary for their support.

ANNEX A   **Approved Agenda**

AGENDA

Agenda Item	Input documents (TP-030nnn)
1 **Opening of the meeting (09:00 Wednesday 4 June) and IPR reminder**	
2 **Approval of Agenda**	076
3 **Approval of the meeting report from TSG-T#19**	075
4 **Letters and reports from other groups, LS incoming** *4.1 Reports from OP#9, PCG#10, TSG SA#19 and others* *4.2 LS from TSG-SA, TSG-RAN, TSG-CN, TSG-GERAN and others*	077, 078 088, 089, 092
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 Capabilities* *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*	090, 095, 096 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 108, 109, 110, 140, 141 107 091, 111, 112 113, 114, 115, 116 093, 094, 132, 136, 137 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 129, 130, 131, 139 127, 128
6 **TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA and other bodies** *6.1 Release 5* *6.2 Release 6* *6.3 3GPP-OMA cooperation* *6.4 Other issues*	079, 080, 081, 082, 083, 084, 085, 086, 087 133, 134, 135, 138
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 6 June)**	

ANNEX B   List of attendees

Title	Surname	Firstname	Role	Organization	Status	Partner
Mr.	Andersen	Niels Peter Skov		MOTOROLA A/S	3GPPMEMBER	ETSI
Mr.	Arai	Takayuki		Fujitsu Limited	3GPPMEMBER	ARIB
Mr.	Barnes	Nigel		MOTOROLA Ltd	3GPPMEMBER	ETSI
Mr.	Beaudou	Patrice		SchlumbergerSema	3GPPMEMBER	ETSI
Mr.	Bertling	Andreas		7 LAYERS AG	3GPPMEMBER	ETSI
Mr.	Brown	Phillip	WG_Chairman	3	3GPPMEMBER	ETSI
Mr	Castagnet	Stephen		NEC Technologies (UK) LTD	3GPPMEMBER	ETSI
Mr.	Cyrankiewicz	Arthur		T-MOBILE DEUTSCHLAND	3GPPMEMBER	ETSI
Mr.	Dietze	Claus		ETSI Secretariat	3GPPORG_REP	ETSI
Mr.	Doig	Ian		MOTOROLA S.A.S	3GPPMEMBER	ETSI
Mr.	Ehrlich	Ed	ViceChairman	Nokia Telecommunications Inc.	3GPPMEMBER	T1
Mr.	Ellsberger	Jan		Nippon Ericsson K.K.	3GPPMEMBER	TTC
Mr.	Fenn	John B		SAMSUNG Electronics	3GPPMEMBER	ETSI
Mr.	Franzoi	Paolo		Vodafone Omnitel N.V	3GPPMEMBER	ETSI
Mr.	Halminen	Harri		Nokia Japan Co. Ltd	3GPPMEMBER	ARIB
Mr.	Harris	Ian		RIM	3GPPMEMBER	ETSI
Mr.	He	Yusong		CATT	3GPPMEMBER	CWTS
Mr.	Hellsten	Jarkko		NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Holley	Kevin	ViceChairman	mmO2 plc	3GPPMEMBER	ETSI
Mr.	Howell	Andrew		MOTOROLA GmbH	3GPPMEMBER	ETSI
Mrs	Hughes	Karen	Support Assistant	ETSI Secretariat	3GPPMEMBER	ETSI
Mr.	Jolivet	Paul		DoCoMo Europe S.A.	3GPPMEMBER	ETSI
Mr.	Jones	Gary		T-Mobile USA Inc.	3GPPMEMBER	T1
Mr.	Kanerva	Mikko		NOKIA Corporation	3GPPMEMBER	ETSI
Mr.	Kittel	Kay		SIEMENS AG	3GPPMEMBER	ETSI
Mr.	Lee	Hee Joung		LG Electronics Inc.	3GPPMEMBER	TTA
Mr.	Maier	Gerhard.M.		SHARP Manufacturing France S.A	3GPPMEMBER	ETSI
Mr.	Meredith	John M		ETSI Secretariat	3GPPMEMBER	ETSI
Mr.	Nakagomi	Hisashi		NTT DoCoMo Inc.	3GPPMEMBER	ARIB
Mr.	Nelson	David B.		ORANGE PCS LTD	3GPPMEMBER	ETSI

Mr.	Nielsen	Bjarke		QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER	ETSI
Mr.	Nogami	Kazuo		Toshiba Corporation	3GPPMEMBER	ARIB
Mr.	Oikarinen	Timo		TeliaSonera AB	3GPPMEMBER	ETSI
Mr.	Ohno	Koji		NTT DoCoMo Inc.	3GPPMEMBER	ARIB
Dr.	Park	Sang-Keun	Chairman	Samsung Electronics Co., Ltd	3GPPMEMBER	TTA
Mr.	Picard	Thomas		ALCATEL S.A.	3GPPMEMBER	ETSI
Mr.	Pirila	Hannu		Nokia Korea	3GPPMEMBER	TTA
Mr.	Roberts	Michael		NEC Technologies (UK) LTD	3GPPMEMBER	ETSI
Mr.	Rodermund	Friedhelm	SECRETARY	ETSI Secretariat	3GPPORG_REP	ETSI
Mr.	Rodestrand	Thomas		TeliaSonera AB	3GPPMEMBER	ETSI
Mr.	Saito	Hiroshi		Panasonic Mobile Comm.	3GPPMEMBER	ARIB
Mr.	Sällberg	Krister		ERICSSON L.M.	3GPPMEMBER	ETSI
Mr.	Simmons	Paul		NORTEL NETWORKS (EUROPE)	3GPPMEMBER	ETSI
Mr.	Sood	Prem		SHARP Corporation	3GPPMEMBER	ARIB
Mr.	Stabrand	Anders		TDC TELE DANMARK A/S	3GPPMEMBER	ETSI
Mr.	Sundresh	Bokinakere		RIM	3GPPMEMBER	ETSI
Mr.	Susko	Denis		CETECOM GmbH	3GPPMEMBER	ETSI
Mr.	van der Veen	Hans		NEC EUROPE LTD	3GPPMEMBER	ETSI
Mr.	Voskar	Paul		NOKIA UK Ltd	3GPPMEMBER	ETSI
Mr.	Wan	Tak Wing		Rogers Wireless Inc.	3GPPMEMBER	T1
Dr.	Yamada	Jun		Renesas Technology Europe	3GPPMEMBER	ETSI
Mr.	Yim	Do-Hyon		Samsung Electronics Co., Ltd	3GPPMEMBER	TTA
Mr.	Zammarano	Francesco		TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI

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. 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.org)

Tdoc	Title	Source	Agenda	Notes / Status
TP-030075	Report (draft) from TSG-T #19 (Birmingham, 12 – 14 March 2003)	TSG-T Secretary	3	approved
TP-030076	Agenda (draft) for TSG-T #20 (Hämeenlinna, 4 – 6 June 2003)	TSG-T Chairman	2	approved
TP-030077	TSG-SA#19 result summary for TSG-T	T-secretary	4.1	noted
TP-030078	Report (draft) from TSG-SA #19 (Birmingham, 12 – 14 March 2003)	TSG-SA Secretary	4.1	noted
TP-030079	3GPP Work Plan	MCC	7	noted
TP-030080	3GPP Work Plan [Slide Presentation]	MCC	7	noted
TP-030081	CRs to create earlier versions of 01.01	MCC	7	noted
TP-030082	CRs to specs lists	MCC	7	noted
TP-030083	On Features and Releases	MCC	7	withdrawn
TP-030084	specs status list prior to TSGs#20	MCC	7	noted
TP-030085	friendly databases	MCC	7	noted
TP-030086	specs not under change control	MCC	7	noted
TP-030087	Renumbering of 21.102, 21.103, 41.102, 41.103	MCC	7	noted
TP-030088	LS from GERAN to TSG-T-WG3, TSG-T on SIM Application Tool Test Specification	GERAN (GP-031065)	4.2	noted. TSG-T accepted the responsibility for maintaining and developing 11.10-4
TP-030089	LS from SA1 to T3 cc TSG T, TSG CN1, EP SCP on (U)SIM Toolkit originated emergency calls	SA1 (S1-030470)	4.2	noted
TP-030090	LS from T1 to RAN4 cc T on Test Case for UE Phase Discontinuity	T1 (T1-030355)	5.1.1	noted
TP-030091	LS from T2 to SA1, CN4, OMA MAG, OMA IMPS, OMA REQ cc SA, T, SA2 on terminal MMS capability discovery prior MM notification	T2 (T2-030360)	5.2.1	noted
TP-030092	LS from RAN4 to T1 cc T on " Test Case for UE Phase Discontinuity"	RAN4 (R4-030561)	4.2	noted
TP-030093	LS from T3 to T on transfer of responsibility of the SAT test specification from GERAN5 to T3	T3 (T3-030391)	5.3.1	noted
TP-030094	LS from T3 to T, SA1 on support of GSM SIM files (and services) on the USIM	T3 (T3-030400)	5.3.1	noted
TP-030095	T1 status report	T1 chair	5.1.1	noted
TP-030096	T1#19 draft report	MCC	5.1.1	noted
TP-030097	TTCN report **for approval**	MCC	5.1.3	approved
TP-030098	CRs to 34.108 **for approval**	T1	5.1.3	approved
TP-030099	CRs to 34.121 **for approval**	T1	5.1.3	approved
TP-030100	CRs to 34.122 **for approval**	T1	5.1.3	approved
TP-030101	CRs to 34.123-1 related to RRC package 1 and 2 test cases **for approval**	T1	5.1.3	approved
TP-030102	CRs to 34.123-1 related to RRC other packages and TDD test cases **for approval**	T1	5.1.3	approved
TP-030103	CRs to 34.123-2 **for approval**	T1	5.1.3	approved
TP-030104	CRs to 34.123-3 **for approval**	T1	5.1.3	approved except CR 061 which was withdrawn
TP-030105	TR 34.901 v2.0.0 **for approval** as v3.0.0	T1	5.1.3	revised in TP-030145
TP-030106	T1 WID update **for approval**	T1	5.1.3	approved
TP-030107	Call for experts for MCC Task 160	T1	5.1.4	noted
TP-030108	CRs from e-mail approval **for approval**	T1	5.1.3	withdrawn
TP-030109	CRs to 34.123-1 related to Idle mode, Layer 2, RABs, NAS and SMS test cases **for approval**	T1	5.1.3	approved except CR495 to 34.123-1
TP-030110	CR to 34.123-3 on Addition of new approved test cases in test case list in Annex A **for approval**	MCC	5.1.3	approved
TP-030111	T2 status report (slides)	T2 chairman	5.2.1	noted
TP-030112	T2#21 San Diego meeting report	T2 secretary	5.2.1	noted
TP-030113	CR on AT commands **for approval**	T2	5.2.3	approved
TP-030114	CRs on SMS **for approval**	T2	5.2.3	approved
TP-030115	CRs on MMS **for approval**	T2	5.2.3	approved
TP-030116	revised WID MMS Enhancements **for approval**	T2 (T2-030361)	5.2.3	approved
TP-030117	CRs to TS 11.14 **for approval**	T3	5.3.3	approved
TP-030118	CRs to TS 11.10-4 **for approval**	T3	5.3.3	approved
TP-030119	CRs to TS 23.048 **for approval**	T3	5.3.3	approved

TP-030120	CRs to TS 31.101 **for approval**	T3	5.3.3	approved
TP-030121	CRs to TS 31.102 **for approval**	T3	5.3.3	approved
TP-030122	CRs to TS 31.103 **for approval**	T3	5.3.3	approved
TP-030123	CRs to TS 31.121 **for approval**	T3	5.3.3	approved
TP-030124	CRs to TS 51.011 **for approval**	T3	5.3.3	approved
TP-030125	CRs to TS 51.013 **for approval**	T3	5.3.3	approved
TP-030126	Updated T3 Terms of Reference **for approval**	T3	5.3.3	revised to TP-030147
TP-030127	TS 31.130 "(U)SIM API for Java CardTM" for information	T3	5.3.1	noted
TP-030128	TR 31.919 on 2G/3G Java CardTM API based applet interworking for information	T3	5.3.1	noted
TP-030129	Work Item Description on: WLAN Interworking impact on UICC applications **for approval**	T3	5.3.3	rejected
TP-030130	Updated Work Item Description on: TS 23.048 test specification **for approval**	T3	5.3.3	revised to TP-030148
TP-030131	Work Item Description on: MMS used as a bearer for USAT **for approval**	T3	5.3.3	rejected
TP-030132	T3 status report to T#19	T3 secretary	5.3.1	noted
TP-030133	procedure to decide the future OMA-TSG cooperation	Siemens	6.3	noted
TP-030134	proposal for OMA-TSG workplit on MMS	Siemens	6.3	noted
TP-030135	3GPP-OMA overlap	TSG-T vice chair Kevin Holley	6.3	noted
TP-030136	LS from T3 to EP SCP cc 3GPP TSG T, 3GPP2 TSG-C, EP SCP WG1 on Administration of tag values	T3 (T3-030405)	5.3.1	noted
TP-030137	LS from T3 to 3GPP2 TSG-C, 3GPP2-SC cc 3GPP TSG-T on ISIM	T3 (T3-030426)	5.3.1	noted
TP-030138	T2 activities	T2 (T2-030363)	6.3	noted
TP-030139	WID MMS storage in the SIM card **for approval**	SchlumbergerSema	5.3.3	rejected
TP-030140	CR's to TS 34.108 and TS 34.123-1 from T1 e-mail approval **for approval**	T1	5.1.3	approved
TP-030141	CR 069 TS 34.123-3 Test Case 8.1.3.3 **for approval**	T1	5.1.3	approved
TP-030142	Draft summary minutes from 3GPP PCG Meeting#10, Ottawa, 2 May 2003	Secretary	4.1	noted
TP-030143	Draft summary minutes from 3GPP Organizational Partners Meeting#9, Ottawa, 2 May 2002	Secretary	4.1	noted
TP-030144	inconsistency between stage 1 and stage 3 on Emergency call procedures	Nokia	5.3.2	noted, attached CR rejected
TP-030145	TR 34.901 v2.0.0 Test Time Optimisation based on statistical approaches (revised TP-030105)	T1	5.1.3	revised to TP-030153
TP-030146	Automated document numbering	Nokia	9	noted
TP-030147	Updated T3 Terms of Reference **for approval** (revised 126)	T3	5.3.3	approved
TP-030148	Updated Work Item Description on: TS 23.048 test specification **for approval** (revised TP-030130)	T3	5.3.3	approved
TP-030149	LS from TSG-T to SA2 cc SA1, T2, T3 on Work Item Description on: MMS used as a bearer for USAT	SchlumbergerSema	7	revised in TP-030150
TP-030150	LS from TSG-T to SA1, SA2, T2 cc T3 on Work Item Description on: MMS used as a bearer for USAT (revised TP-030149)	SchlumbergerSema	7	approved
TP-030151	future organisation of T2 work	Ericsson, Nokia, Motorola	6.3	noted
TP-030152	Overview on Rel-5 Features	MCC	7.1	noted
TP-030153	TR 34.901 v2.0.1 Test Time Optimisation based on statistical approaches (revised TP-030145)	T1	5.1.3	approved

ANNEX D **List of change requests presented to TSG-T #20**

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

Doc-1st-Level	Status-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	WG-Responsible	Doc-2nd-Level	Workitem
TP-030098	approved	34.108	207	-	R99	Reinstate parameters for Interactive or background /UL:64 kbps / PS RAB	F	3.11.0	3.12.0	T1	T1-030436	-
TP-030098	approved	34.108	208	-	Rel-4	Reinstate parameters for Interactive or background /UL:64 kbps / PS RAB	A	4.6.0	4.7.0	T1	T1-030437	TEI
TP-030098	approved	34.108	209	-	R99	Correction to Figure 7.4.1.1 (Rel-99)	F	3.11.0	3.12.0	T1	T1-030482	-
TP-030098	approved	34.108	210	-	Rel-4	Correction to Figure 7.4.1.1 (Rel-4)	A	4.6.0	4.7.0	T1	T1-030483	TEI
TP-030098	approved	34.108	211	-	R99	Update of SIB 11 and 12 in clause 6.1.0b in TS34.108 (TDD)	F	3.11.0	3.12.0	T1	T1-030506	-
TP-030098	approved	34.108	212	-	Rel-4	Update of SIB 11 and 12 in clause 6.1.0b in TS34.108 (TDD)	A	4.6.0	4.7.0	T1	T1-030507	TEI
TP-030098	approved	34.108	213	-	R99	Update of Default parameters for 1 to 8 cell environments in TS34.108 (TDD)	F	3.11.0	3.12.0	T1	T1-030508	-
TP-030098	approved	34.108	214	-	Rel-4	Update of Default parameters for 1 to 8 cell environments in TS34.108 (TDD)	A	4.6.0	4.7.0	T1	T1-030509	TEI
TP-030098	approved	34.108	215	-	R99	Correction of default messages according to 25331 CR1823	F	3.11.0	3.12.0	T1	T1-030631	-
TP-030098	approved	34.108	216	-	Rel-4	Correction of default messages according to 25331 CR1823	A	4.6.0	4.7.0	T1	T1-030632	TEI
TP-030098	approved	34.108	217	-	R99	Section 8.2: Definition of default values for authentication key K on test USIM	F	3.11.0	3.12.0	T1	T1-030643	-
TP-030098	approved	34.108	218	-	Rel-4	Section 8.2: Definition of default values for authentication key K on test USIM	A	4.6.0	4.7.0	T1	T1-030644	TEI
TP-030098	approved	34.108	219	-	Rel-4	Update of Reconfiguration messages	A	4.6.0	4.7.0	T1	T1-030692	TEI
TP-030098	approved	34.108	220	-	R99	Correction to RADIO BEARER RELEASE and RRC CONNECTION SETUP messages (Revision of T1-030568)	F	3.11.0	3.12.0	T1	T1-030698	-
TP-030098	approved	34.108	221	-	Rel-4	Correction to RADIO BEARER RELEASE and RRC CONNECTION SETUP messages (Revision of T1-030569)	A	4.6.0	4.7.0	T1	T1-030699	TEI
TP-030098	approved	34.108	222	-	R99	Update of Reconfiguration messages [revision to T1-030691]	F	3.11.0	3.12.0	T1	T1-030711	-
TP-030098	approved	34.121	243	-	R99	Modifications to the test cases for Transmit diversity modes in TS34.121	F	3.12.0	3.13.0	T1	T1-030323	-
TP-030098	approved	34.121	244	-	R99	Correction for Cell Re-selection in CELL_FACH state test case	F	3.12.0	3.13.0	T1	T1-030324	-
TP-030098	approved	34.121	245	-	R99	Correction for Random Access test case	F	3.12.0	3.13.0	T1	T1-030325	-
TP-030098	approved	34.121	246	-	R99	Correction for downlink compressed mode test case	F	3.12.0	3.13.0	T1	T1-030326	-
TP-030098	approved	34.121	247	-	R99	Correction to Activation Time in Hard Handover RRM Test Cases	F	3.12.0	3.13.0	T1	T1-030343	-
TP-030098	approved	34.121	249	-	R99	Corretion to Inner Loop Power Control in the Uplink	F	3.12.0	3.13.0	T1	T1-030348	-
TP-030098	approved	34.121	250	-	Rel-5	Addition of clarification for modulation accuracy requirement	F	3.12.0	5.0.0	T1	T1-030732	RANimp-test
TP-030099	approved	34.121	243	-	R99	Modifications to the test cases for Transmit diversity modes in TS34.121	F	3.12.0	3.13.0	T1	T1-030323	-
TP-030099	approved	34.121	244	-	R99	Correction for Cell Re-selection in CELL_FACH state test case	F	3.12.0	3.13.0	T1	T1-030324	-
TP-030099	approved	34.121	245	-	R99	Correction for Random Access test case	F	3.12.0	3.13.0	T1	T1-030325	-

TP-030099	approved	34.121	246	-	R99	Correction for downlink compressed mode test case	F	3.12.0	3.13.0	T1	T1-030326	-
TP-030099	approved	34.121	247	-	R99	CR to 34.121 R99; Correction to Activation Time in Hard Handover RRM Test Cases	F	3.12.0	3.13.0	T1	T1-030343	-
TP-030099	approved	34.121	249	-	R99	CR to 34.121 R99; Corretion to Inner Loop Power Control in the Uplink	F	3.12.0	3.13.0	T1	T1-030348	-
TP-030099	approved	34.121	250	-	Rel-5	Addition of clarification for modulation accuracy requirement	F	3.12.0	5.0.0	T1	T1-030732	RANimp-test
TP-030100	approved	34.122	167	-	Rel-4	Addition LCR cell re-selection in Cell_PCH, single cell test	F	4.7.0	4.8.0	T1	T1-030329	LCRTDD
TP-030100	approved	34.122	168	-	Rel-4	Addition LCR cell re-selection in PCH, multi-cell test	F	4.7.0	4.8.0	T1	T1-030330	LCRTDD
TP-030100	approved	34.122	169	-	Rel-4	Addition LCR cell re-selection in URA_PCH, single cell test	F	4.7.0	4.8.0	T1	T1-030331	LCRTDD
TP-030100	approved	34.122	170	-	Rel-4	Addition LCR cell re-selection in URA_PCH, multi-cell test	F	4.7.0	4.8.0	T1	T1-030332	LCRTDD
TP-030100	approved	34.122	171	-	Rel-4	Addition LCR cell re-selection in Cell_Fach, multi-cell test	F	4.7.0	4.8.0	T1	T1-030346	LCRTDD
TP-030100	approved	34.122	172	-	Rel-4	Addition LCR cell re-selection in Cell_Fach, single cell test	F	4.7.0	4.8.0	T1	T1-030352	LCRTDD
TP-030101	approved	34.123-1	475	-	Rel-5	Measurement Control and Report: Cell forbidden to affect reporting range (FDD only)	F	5.3.0	5.4.0	T1	T1-030513	TEI
TP-030101	approved	34.123-1	484	-	Rel-5	Update to clause 8 conformance requirements according to 25.331 CR1829 and CR1835 approved in RAN#19.	F	5.3.0	5.4.0	T1	T1-030544	TEI
TP-030101	approved	34.123-1	486	-	Rel-5	Usage of downlink CCCH vs DCCH for CELL UPDATE CONFIRM and URA UPDATE CONFIRM RRC messages	F	5.3.0	5.4.0	T1	T1-030547	TEI
TP-030101	approved	34.123-1	488	-	Rel-5	Correction of RRC test cases according to 25331 CR1823	F	5.3.0	5.4.0	T1	T1-030549	TEI
TP-030101	approved	34.123-1	492	-	Rel-5	Correction of RRC test cases according to 25331 CR1847	F	5.3.0	5.4.0	T1	T1-030633	TEI
TP-030101	approved	34.123-1	496	-	Rel-5	Corrections to Package 2 RRC test case 8.4.1.7 (revision of T1-030646)	F	5.3.0	5.4.0	T1	T1-030652	TEI
TP-030101	approved	34.123-1	497	-	Rel-5	Corrections to Package 2 RRC test cases (clause 8.4) (revision to T1-030559)	F	5.3.0	5.4.0	T1	T1-030653	TEI
TP-030101	approved	34.123-1	499	-	Rel-5	Corrections to Package 2 RRC test cases 8.3.1.5 and 8.3.1.6	F	5.3.0	5.4.0	T1	T1-030666	TEI
TP-030101	approved	34.123-1	502	-	Rel-5	Correction to Package 1 RRC test case 8.1.1.7 (Revision of T1-030570)	F	5.3.0	5.4.0	T1	T1-030676	TEI
TP-030101	approved	34.123-1	505	-	Rel-5	Corrections to Package 2 RRC test cases (clause 8.2) [revision to T1-030477]	F	5.3.0	5.4.0	T1	T1-030690	TEI
TP-030101	approved	34.123-1	506	-	Rel-5	Corrections to Package 2 RRC test cases (clause 8.3) [revision to T1-030558]	F	5.3.0	5.4.0	T1	T1-030694	TEI
TP-030101	approved	34.123-1	507	-	Rel-5	Correction to package 1 RRC test case 8.1.1.4	F	5.3.0	5.4.0	T1	T1-030695	TEI
TP-030101	approved	34.123-1	508	-	Rel-5	Corrections to TC 8.3.2.3 (T1-030434rev1, T1-030481rev1)	F	5.3.0	5.4.0	T1	T1-030696	TEI
TP-030101	approved	34.123-1	509	-	Rel-5	Corrections to Package 1 RRC test cases (clause 8.3)	F	5.3.0	5.4.0	T1	T1-030697	TEI
TP-030101	approved	34.123-1	511	-	Rel-5	Correction of IE "Measurement Command" from "Modify" to "Setup" for TVM [revision to T1-030566]	F	5.3.0	5.4.0	T1	T1-030704	TEI
TP-030101	approved	34.123-1	523	-	Rel-5	Modification of RRC reconfiguration test cases due to updates to default messages as of T1-030714r1	F	5.3.0	5.4.0	T1	T1-030723	TEI
TP-030101	approved	34.123-1	524	-	Rel-5	Corrections to Package 1 RRC test cases (clause 8.2) [revision to T1-030476, T1-030724]	F	5.3.0	5.4.0	T1	T1-030726	TEI
TP-030101	approved	34.123-1	526	-	Rel-5	Correction to Package 1 RRC test cases 8.2.5.1, 8.3.4.3 (Revision of T1-030571 and T1-030681 and T1-030689)	F	5.3.0	5.4.0	T1	T1-030730	TEI
TP-030101	approved	34.123-1	527	-	Rel-5	Corrections to Package 1 RRC Test Cases 8.2.1.8 and 8.2.1.9 (Revision of T1-030700 and T1-030698)	F	5.3.0	5.4.0	T1	T1-030736	TEI
TP-030102	approved	34.123-1	472	-	Rel-5	Measurement Control and Report: Inter-frequency measurement for transitions (TDD)	F	5.3.0	5.4.0	T1	T1-030510	TEI
TP-030102	approved	34.123-1	473	-	Rel-5	Corrections of Measurement Control and Report: Intra-frequency measurement for transitions (TDD)	F	5.3.0	5.4.0	T1	T1-030511	TEI

TP-030102	approved	34.123-1	474	-	Rel-5	Update of Broadcast of system information test for TDD mode	F	5.3.0	5.4.0	T1	T1-030512	TEI
TP-030102	approved	34.123-1	476	-	Rel-5	Measurement Control and Report: Traffic volume measurement for transitions, TDD update	F	5.3.0	5.4.0	T1	T1-030514	TEI
TP-030102	approved	34.123-1	480	-	Rel-5	Corrections to Package 3 RRC test cases (clause 8.1)	F	5.3.0	5.4.0	T1	T1-030527	TEI
TP-030102	approved	34.123-1	481	-	Rel-5	Corrections to Package 4 RRC test cases (clause 8.2)	F	5.3.0	5.4.0	T1	T1-030528	TEI
TP-030102	approved	34.123-1	485	-	Rel-5	Removal of package 4 and low priority redundant RRC Reconfiguration failure cases	F	5.3.0	5.4.0	T1	T1-030546	TEI
TP-030102	approved	34.123-1	487	-	Rel-5	Correction to package 4 RRC test case 8.2.1.4 according to 25.331 CR 1820	F	5.3.0	5.4.0	T1	T1-030548	TEI
TP-030102	approved	34.123-1	489	-	Rel-5	Corrections to Package 3 RRC test cases (clause 8.3)	F	5.3.0	5.4.0	T1	T1-030560	TEI
TP-030102	approved	34.123-1	490	-	Rel-5	Corrections to low priority RRC test cases (clause 8.2)	F	5.3.0	5.4.0	T1	T1-030562	TEI
TP-030102	approved	34.123-1	491	-	Rel-5	Corrections to low priority RRC test cases (clause 8.3)	F	5.3.0	5.4.0	T1	T1-030563	TEI
TP-030102	approved	34.123-1	493	-	Rel-5	Correction of package 4 RRC test cases 8.4.1.42 and 8.4.1.43 according to 25.331 CR1838	F	5.3.0	5.4.0	T1	T1-030634	TEI
TP-030102	approved	34.123-1	498	-	Rel-5	Corrections to Package 3 RRC test cases (clause 8.4) (revision to T1-030561)	F	5.3.0	5.4.0	T1	T1-030663	TEI
TP-030102	approved	34.123-1	510	-	Rel-5	Corrections to low priority RRC test cases (clause 8.1) [revision to T1-030478]	F	5.3.0	5.4.0	T1	T1-030702	TEI
TP-030102	approved	34.123-1	512	-	Rel-5	Removal of low-priority RRC test case 8.4.1.20 and 8.4.1.21	F	5.3.0	5.4.0	T1	T1-030705	TEI
TP-030102	approved	34.123-1	513	-	Rel-5	Corrections to low priority test case 8.4.1.9 (Measurement)	F	5.3.0	5.4.0	T1	T1-030706	TEI
TP-030102	approved	34.123-1	514	-	Rel-5	Corrections to low priority test case 8.1.6.3.	F	5.3.0	5.4.0	T1	T1-030707	TEI
TP-030102	approved	34.123-1	515	-	Rel-5	Corrections to low priority test case 8.1.9a	F	5.3.0	5.4.0	T1	T1-030708	TEI
TP-030102	approved	34.123-1	517	-	Rel-5	URA identity for transition from CELL_FACH to URA_PCH	F	5.3.0	5.4.0	T1	T1-030712	TEI
TP-030102	approved	34.123-1	521	-	Rel-5	New RRC test cases for Inter-RAT cell reselection (PS) from UTRAN	B	5.3.0	5.4.0	T1	T1-030719	TEI
TP-030102	approved	34.123-1	522	-	Rel-5	New RRC test cases for Inter-RAT cell change order from UTRAN	B	5.3.0	5.4.0	T1	T1-030720	TEI
TP-030102	approved	34.123-1	525	-	Rel-5	New test cases for radio link failure [revision to T1-030565, T1-030725]	F	5.3.0	5.4.0	T1	T1-030727	TEI
TP-030103	approved	34.123-2	102	-	Rel-5	Inclusion of new test cases for Measurement Control and Report TDD in applicability table	F	5.3.0	5.4.0	T1	T1-030515	TEI, LCRTDD
TP-030103	approved	34.123-2	103	-	Rel-5	Update of applicability table for Broadcast of system information test (TDD)	F	5.3.0	5.4.0	T1	T1-030516	TEI, LCRTDD
TP-030103	approved	34.123-2	104	-	Rel-5	Update of applicability table: Cell update: Restricted cell reselection to a cell belonging to forbidden LA list (Cell_FACH) TDD	F	5.3.0	5.4.0	T1	T1-030517	TEI
TP-030103	approved	34.123-2	105	-	Rel-5	Update of applicability table for Traffic Volume measurement tests (TDD)	F	5.3.0	5.4.0	T1	T1-030518	TEI, LCRTDD
TP-030103	approved	34.123-2	106	-	Rel-5	Update of applicability table for MM	F	5.3.0	5.4.0	T1	T1-030531	TEI
TP-030103	approved	34.123-2	107	-	Rel-5	Correction to test case names and to one conditional	F	5.3.0	5.4.0	T1	T1-030534	TEI
TP-030103	approved	34.123-2	108	-	Rel-5	Removal of ICS for the RAB test cases associated with recently void RABs in 34.108	F	5.3.0	5.4.0	T1	T1-030543	TEI
TP-030103	approved	34.123-2	109	-	Rel-5	Correction of applicability for RB test case 14.2.43.1.	F	5.3.0	5.4.0	T1	T1-030575	TEI
TP-030103	approved	34.123-2	110	-	Rel-5	Update to TS 34.123-2 for RRC test cases (revision to T1-030567)	F	5.3.0	5.4.0	T1	T1-030703	TEI
TP-030103	approved	34.123-2	111	-	Rel-5	Corrections to applicability for RRC testcases.	F	5.3.0	5.4.0	T1	T1-030715	TEI
TP-030103	approved	34.123-2	112	-	Rel-5	Applicability for new RRC Inter-RAT PS reselection and Cell Change Order test cases	B	5.3.0	5.4.0	T1	T1-030721	TEI
TP-030104	approved	34.123-3	016	-	R99	Test Case 7.1.1.2	F	3.1.0	3.2.0	T1	T1-030397	-
TP-030104	approved	34.123-3	017	-	R99	Test Case 7.1.1.8	F	3.1.0	3.2.0	T1	T1-030399	-
TP-030104	approved	34.123-3	018	-	R99	Test Case 8.1.1.2	F	3.1.0	3.2.0	T1	T1-030401	-

TP-030104	approved	34.123-3	019	-	R99	Test Case 8.1.1.3	F	3.1.0	3.2.0	T1	T1-030403	-
TP-030104	approved	34.123-3	020	-	R99	Test Case 8.1.1.8	F	3.1.0	3.2.0	T1	T1-030411	-
TP-030104	approved	34.123-3	021	-	R99	Test Case 8.2.1.8	F	3.1.0	3.2.0	T1	T1-030413	-
TP-030104	approved	34.123-3	022	-	R99	Test Case 8.2.1.10	F	3.1.0	3.2.0	T1	T1-030415	-
TP-030104	approved	34.123-3	023	-	R99	Test Case 8.1.5.1	F	3.1.0	3.2.0	T1	T1-030425	-
TP-030104	approved	34.123-3	024	-	R99	Test Case 8.1.5.4	F	3.1.0	3.2.0	T1	T1-030427	-
TP-030104	approved	34.123-3	025	-	R99	Test Case 8.2.3.7	F	3.1.0	3.2.0	T1	T1-030429	
TP-030104	approved	34.123-3	026	-	R99	Addition of RLC test case 7.2.3.6 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030438	-
TP-030104	approved	34.123-3	027	-	R99	Addition of RLC test case 7.2.3.25 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030440	-
TP-030104	approved	34.123-3	028	-	R99	Addition of RLC test case 7.2.3.14 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030442	-
TP-030104	approved	34.123-3	029	-	R99	Addition of RLC test case 7.2.3.15 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030444	-
TP-030104	approved	34.123-3	030	-	R99	Addition of RLC test case 7.2.3.16 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030446	-
TP-030104	approved	34.123-3	031	-	R99	Addition of RLC test case 7.2.3.33 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030448	-
TP-030104	approved	34.123-3	032	-	R99	Addition of NAS test case 10.1.2.5.1 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030450	-
TP-030104	approved	34.123-3	033	-	R99	7.1.1.1	B	3.1.0	3.2.0	T1	T1-030452	-
TP-030104	approved	34.123-3	034	-	R99	7.1.1.3	B	3.1.0	3.2.0	T1	T1-030454	-
TP-030104	approved	34.123-3	035	-	R99	7.1.1.4	B	3.1.0	3.2.0	T1	T1-030456	-
TP-030104	approved	34.123-3	036	-	R99	Introduction of Test Case 7.1.1.5	B	3.1.0	3.2.0	T1	T1-030458	-
TP-030104	approved	34.123-3	037	-	R99	Test Case 8.2.3.15	F	3.1.0	3.2.0	T1	T1-030464	-
TP-030104	approved	34.123-3	038	-	R99	Test Case 8.2.3.18	F	3.1.0	3.2.0	T1	T1-030466	-
TP-030104	approved	34.123-3	039	-	R99	Test Case 8.2.3.19	F	3.1.0	3.2.0	T1	T1-030468	-
TP-030104	approved	34.123-3	040	-	R99	Test Case 12.3.1.2	F	3.1.0	3.2.0	T1	T1-030474	-
TP-030104	approved	34.123-3	041	-	R99	Test Case 8.3.3.1	F	3.1.0	3.2.0	T1	T1-030479	-
TP-030104	approved	34.123-3	042	-	R99	Addition of RLC test case 7.2.3.13 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030484	-
TP-030104	approved	34.123-3	043	-	R99	Addition of RLC test case 7.2.3.18 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030486	-
TP-030104	approved	34.123-3	044	-	R99	Addition of RLC test case 7.2.2.5 to RLC ATS V3.0.0	B	3.1.0	3.2.0	T1	T1-030490	-
TP-030104	approved	34.123-3	045	-	R99	Addition of RLC test case 7.2.2.6 to RLC ATS V3.0.0	B	3.1.0	3.2.0	T1	T1-030492	-
TP-030104	approved	34.123-3	046	-	R99	Addition of RLC test case 7.2.3.17 to RLC ATS V3.0.0	B	3.1.0	3.2.0	T1	T1-030495	-
TP-030104	approved	34.123-3	047	-	R99	Addition of RLC test case 7.2.3.20 to RLC ATS V3.0.0	B	3.1.0	3.2.0	T1	T1-030496	-
TP-030104	approved	34.123-3	048	-	R99	Addition of RLC test case 7.2.3.34 to RLC ATS V3.0.0	B	3.1.0	3.2.0	T1	T1-030498	-
TP-030104	approved	34.123-3	049	-	R99	Addition of SM test case 11.1.1.1 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030500	-
TP-030104	approved	34.123-3	050	-	R99	Addition of RLC test case 7.2.3.23 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030535	-
TP-030104	approved	34.123-3	051	-	R99	Addition of RLC test case 7.2.3.24 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030537	-
TP-030104	approved	34.123-3	052	-	R99	Addition of RLC test case 7.2.3.26 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030539	-
TP-030104	approved	34.123-3	053	-	R99	Addition of RLC test case 7.2.3.27 to RLC ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030541	-
TP-030104	approved	34.123-3	054	-	R99	Addition of SM test case 11.3.1 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030576	-
TP-030104	approved	34.123-3	055	-	R99	Addition of SM test case 11.3.2 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030577	-
TP-030104	approved	34.123-3	056	-	R99	Addition of GMM test case 12.3.1.5 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030578	-

TP-030104	approved	34.123-3	057	-	R99	Addition of GMM test case 12.7 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030580	-
TP-030104	approved	34.123-3	058	-	R99	Test Case 8.2.1.9	F	3.1.0	3.2.0	T1	T1-030594	-
TP-030104	approved	34.123-3	059	-	R99	Test Case 8.2.3.8	F	3.1.0	3.2.0	T1	T1-030596	-
TP-030104	approved	34.123-3	060	-	R99	Test Case 12.3.1.1	F	3.1.0	3.2.0	T1	T1-030614	-
TP-030104	withdrawn	34.123-3	061	-	R99	Test Case 12.9.1	F	3.1.0		T1	T1-030624	-
TP-030104	approved	34.123-3	062	-	R99	Test Case 12.9.2	F	3.1.0	3.2.0	T1	T1-030626	-
TP-030104	approved	34.123-3	063	-	R99	Addition of GMM test case 12.3.2.1 to NAS ATS V3.1.0	B	3.1.0	3.2.0	T1	T1-030638	-
TP-030104	approved	34.123-3	064	-	R99	CR for correction of generic test step in RLC ATS V3.1.0	F	3.1.0	3.2.0	T1	T1-030654	-
TP-030104	approved	34.123-3	065	-	R99	ASP Enhancement	F	3.1.0	3.2.0	T1	T1-030665	-
TP-030104	approved	34.123-3	066	-	R99	Test Case 8.1.2.2	F	3.1.0	3.2.0	T1	T1-030395	
TP-030104	approved	34.123-3	067	-	R99	Test Case 8.1.2.9	F	3.1.0	3.2.0	T1	T1-030396	
TP-030108	withdrawn	34.108	223	-	R99	Changing the default value of W (Rel-99)	F	3.11.0		T1	T1-030554	-
TP-030108	withdrawn	34.108	224	-	Rel-4	Changing the default value of W (Rel-4)	F	4.6.0		T1	T1-030555	TEI
TP-030108	withdrawn	34.108	225	-	R99	Correction to default SIB5 (FDD)	F	3.11.0		T1	T1-030744	-
TP-030108	withdrawn	34.108	226	-	Rel-4	Correction to default SIB5 (FDD)	F	4.6.0		T1	T1-030745	TEI
TP-030108	revised	34.123-1	528	-	Rel-5	Corrections to Package 1 RRC test cases (clause 8.4) [T1-030557rev1, T1-030682rev1]	F	5.3.0		T1	T1-030737	TEI
TP-030108	revised	34.123-1	528	1	Rel-5	Corrections to Package 1 RRC test cases (clause 8.4) [T1-030557rev1, T1-030682rev1]	F	5.3.0		T1		TEI
TP-030108	withdrawn	34.123-1	529	-	Rel-5	Correction to clause 8.4.1.2 (Package 2 test case) (revision to T1-030564, T1-030664, T1-030701)	F	5.3.0		T1	T1-030738	TEI
TP-030108	withdrawn	34.123-1	529	-	Rel-5	Correction to clause 8.4.1.2 (Package 2 test case) (revision to T1-030564, T1-030664, T1-030701)	F	5.3.0		T1	T1-030738	TEI
TP-030108	revised	34.123-1	530	-	Rel-5	Modifications to Package 1 RRC measurement test cases	F	5.3.0		T1	T1-030739	TEI
TP-030108	revised	34.123-1	530	1	Rel-5	Modifications to Package 1 RRC measurement test cases	F	5.3.0		T1		TEI
TP-030109	approved	34.123-1	477	-	Rel-5	Correction to low prio RLC test case 7.2.3.32	F	5.3.0	5.4.0	T1	T1-030519	TEI
TP-030109	approved	34.123-1	478	-	Rel-5	Correction to package 1 RLC test case 7.2.3.33	F	5.3.0	5.4.0	T1	T1-030520	TEI
TP-030109	approved	34.123-1	479	-	Rel-5	Removal of RAB test cases associated with recently void RABs in 34.108	F	5.3.0	5.4.0	T1	T1-030521	TEI
TP-030109	approved	34.123-1	482	-	Rel-5	Introduction of a new test case 9.2.5 Authentication Rejected by the UE / fraudulent network	F	5.3.0	5.4.0	T1	T1-030529	TEI
TP-030109	approved	34.123-1	483	-	Rel-5	Correction to TC 9.3.2	F	5.3.0	5.4.0	T1	T1-030533	TEI
TP-030109	approved	34.123-1	494	-	Rel-5	Corrections to package 3 SMS test cases 16.1.9.1 and 16.1.9.2 (Multiple SMS mobile originated)	F	5.3.0	5.4.0	T1	T1-030636	TEI
TP-030109	rejected	34.123-1	495	-	Rel-5	Section 16.2.5: Corrections to low-priority SMS test cases 16.2.5.1, 16.2.5.2, 16.2.5.3	F	5.3.0		T1	T1-030642	TEI
TP-030109	approved	34.123-1	500	-	Rel-5	Corrections to GMM P4 test case 12.9.6	F	5.3.0	5.4.0	T1	T1-030668	TEI
TP-030109	approved	34.123-1	501	-	Rel-5	Modifications and corrections for GMM test cases	F	5.3.0	5.4.0	T1	T1-030675	TEI
TP-030109	approved	34.123-1	503	-	Rel-5	Correction to package 2 idle mode test cases 6.2.1.7 and 6.2.1.8	F	5.3.0	5.4.0	T1	T1-030683	TEI
TP-030109	approved	34.123-1	504	-	Rel-5	Correction to low priority idle mode test cases 6.2.1.3 and 6.2.1.4	F	5.3.0	5.4.0	T1	T1-030684	TEI
TP-030109	approved	34.123-1	516	-	Rel-5	Correction to low priority test cases 9.4.3.2, 9.4.3.3 and 9.4.3.4 (Revision of T1-030572)	F	5.3.0	5.4.0	T1	T1-030710	TEI
TP-030109	approved	34.123-1	518	-	Rel-5	Corrections to package 4 GMM test cases 12.4.1.4c and 12.4.1.4.d	F	5.3.0	5.4.0	T1	T1-030713	TEI

TP-030109	approved	34.123-1	519	-	Rel-5	Modifications and corrections of GMM test case	F	5.3.0	5.4.0	T1	T1-030717	TEI
TP-030109	approved	34.123-1	520	-	Rel-5	Correction to low priority test cases 14.2.34.1, 14.2.45, 14.2.46, 14.2.54 and to sections 14.1.1 and 14.1.2 (Revision of T1-030573)	F	5.3.0	5.4.0	T1	T1-030718	TEI
TP-030110	approved	34.123-3	068	-	R99	Add new approved test cases in test case list in Annex A	F	3.1.0	3.2.0	T1	--	
TP-030140	approved	34.108	225	-	R99	Correction to default SIB5 (FDD)	F	3.11.0	3.12.0	T1	T1-030744	-
TP-030140	approved	34.108	226	-	Rel-4	Correction to default SIB5 (FDD)	F	4.6.0	4.7.0	T1	T1-030745	TEI
TP-030141	approved	34.123-3	069	-	R99	Test Case 8.1.3.3	F	3.1.0	3.2.0	T1	T1-030460	
TP-030113	approved	27.007	110	-	Rel-6	Correction of references	F	6.2.0	6.3.0	T2	T2-030259	TEI6
TP-030114	approved	23.040	063	-	Rel-6	Reserved values in TP-Status	F	6.0.1	6.1.0	T2	T2-030284	TEI6
TP-030114	approved	23.040	064	-	R99	Missing SMSs over MSC even if the MS is capable of such sending	F	3.9.0	3.10.0	T2	T2-030320	TEI
TP-030114	approved	23.040	065	-	Rel-4	Missing SMSs over MSC even if the MS is capable of such sending	A	4.7.0	4.8.0	T2	T2-030321	TEI4
TP-030114	approved	23.040	066	-	Rel-5	Missing SMSs over MSC even if the MS is capable of such sending	A	5.5.1	5.6.0	T2	T2-030322	TEI5
TP-030114	approved	23.040	067	-	Rel-6	Missing SMSs over MSC even if the MS is capable of such sending	A	6.0.1	6.1.0	T2	T2-030323	TEI6
TP-030115	approved	23.140	117	-	Rel-4	Updating references	F	4.9.0	4.10.0	T2	T2-030325	MMS
TP-030115	approved	23.140	118	-	Rel-5	Updating references	A	5.6.0	5.7.0	T2	T2-030326	MESS5-MMS
TP-030115	approved	23.140	119	-	Rel-6	Updating references	A	6.1.0	6.2.0	T2	T2-030327	MMS6
TP-030115	approved	23.140	120	-	Rel-6	Support for DRM in MMS	B	6.1.0	6.2.0	T2	T2-030357	MMS6
TP-030115	approved	23.140	121	-	Rel-6	Extension of the X-Mms-MM-Status-Code "reject", in the MM4_Delivery_report.REQ (CR)	B	6.1.0	6.2.0	T2	T2-030337	MMS6
TP-030115	approved	23.140	122	-	Rel-6	Addition of IEs that currently exist in MM1/MM4 but not in MM7	B	6.1.0	6.2.0	T2	T2-030338	MMS6
TP-030115	approved	23.140	123	-	Rel-6	Over the air provisioning in MMS	B	6.1.0	6.2.0	T2	T2-030339	MMS6
TP-030115	approved	23.140	124	-	Rel-6	Addition of information regarding encrypted or obfuscated address in MM7	B	6.1.0	6.2.0	T2	T2-030340	MMS6
TP-030115	approved	23.140	125	-	Rel-6	Addition of Service Provider Identification to the MM7 reference point	B	6.1.0	6.2.0	T2	T2-030341	MMS6
TP-030115	approved	23.140	126	-	Rel-6	Charged Party ID (CR)	B	6.1.0	6.2.0	T2	T2-030344	MMS
TP-030115	approved	23.140	127	-	Rel-6	Correction of RFC 2821 reference	A	6.1.0	6.2.0	T2	T2-030347	MMS6
TP-030115	approved	23.140	128	-	Rel-4	Correction of RFC 2821 reference	F	4.9.0	4.10.0	T2	T2-030348	MMS
TP-030115	approved	23.140	129	-	Rel-5	Correction of RFC 2821 reference	A	5.6.0	5.7.0	T2	T2-030349	MESS5-MMS
TP-030117	approved	11.14	A217	-	R99	Correction of Item Icon Identifier list coding example	F	8.13.0	8.14.0	T3	T3-030403	TEI
TP-030118	approved	11.10-4	A012	-	R99	Corrections to Send Short Message, Sequence 1.4	F	8.3.0	8.4.0	T3	T3-030420	TEI
TP-030118	approved	11.10-4	A013	-	R99	Redial in Set Up Call	F	8.3.0	8.4.0	T3	T3-030421	TEI
TP-030118	approved	11.10-4	A014	-	R99	Correction to Terminal Response: Set Up Call 1.7.1	F	8.3.0	8.4.0	T3	T3-030422	TEI
TP-030118	approved	11.10-4	A015	-	R99	Select Item: Support of "No response from user"	F	8.3.0	8.4.0	T3	T3-030429	TEI
TP-030118	approved	11.10-4	A016	-	R99	Correction of Emergency Call test cases	F	8.3.0	8.4.0	T3	T3-030451	TEI
TP-030119	approved	23.048	035	-	Rel-5	Correction of the 'System Parameters constructed value field'	F	5.6.0	5.7.0	T3	T3-030440	TEI
TP-030120	approved	31.101	028	-	Rel-6	Clarification on the support of extra guardtime	F	6.1.0	6.2.0	T3	T3-030459	TEI
TP-030121	approved	31.102	142	-	Rel-4	Correction of the MMS example	F	4.8.0	4.9.0	T3	T3-030396	TEI
TP-030121	approved	31.102	143	-	Rel-5	Correction of the MMS example	A	5.4.0	5.5.0	T3	T3-030397	TEI
TP-030121	approved	31.102	144	-	Rel-6	Correction of the MMS example	A	6.1.0	6.2.0	T3	T3-030399	TEI
TP-030121	approved	31.102	145	-	R99	Corrections and clarifications	F	3.12.0	3.13.0	T3	T3-030413	TEI

TP-030121	approved	31.102	146	-	Rel-4	Corrections and clarifications	A	4.8.0	4.9.0	T3	T3-030414	TEI
TP-030121	approved	31.102	147	-	Rel-5	Corrections and clarifications	A	5.4.0	5.5.0	T3	T3-030415	TEI
TP-030121	approved	31.102	148	-	Rel-6	Corrections and clarifications	A	6.1.0	6.2.0	T3	T3-030416	TEI
TP-030121	approved	31.102	149	-	R99	Clarification on the support of extra guardtime	F	3.12.0	3.13.0	T3	T3-030454	TEI
TP-030121	approved	31.102	150	-	Rel-4	Clarification on the support of extra guardtime	F	4.8.0	4.9.0	T3	T3-030455	TEI
TP-030121	approved	31.102	151	-	Rel-5	Clarification on the support of extra guardtime	A	5.4.0	5.5.0	T3	T3-030456	TEI
TP-030121	approved	31.102	152	-	Rel-6	Clarification on SIM support by terminals	A	6.1.0	6.2.0	T3	T3-030461	TEI
TP-030121	approved	31.102	153	-	Rel-5	Clarification on SIM support by R5 terminal	F	5.4.0	5.5.0	T3	T3-030457	TEI
TP-030122	approved	31.103	007	-	Rel-5	Clarification that the home operator's network domain name is a SIP URI.	F	5.3.0	5.4.0	T3	T3-030438	TEI
TP-030122	approved	31.103	008	-	Rel-6	Clarification that the home operator's network domain name is a SIP URI.	A	6.1.0	6.2.0	T3	T3-030439	TEI
TP-030122	approved	31.103	009	-	Rel-5	Clarification on the support of extra guardtime	F	5.3.0	5.4.0	T3	T3-030460	TEI
TP-030123	approved	31.121	024	-	R99	Correction of acceptance criteria	F	3.5.0	3.6.0	T3	T3-030407	TEI
TP-030123	approved	31.121	025	-	Rel-4	Correction of acceptance criteria	A	4.4.0	4.5.0	T3	T3-030408	TEI
TP-030124	approved	51.011	020	-	Rel-4	Correction of the MMS example	F	4.7.0	4.8.0	T3	T3-030398	TEI
TP-030124	approved	51.011	021	-	Rel-4	Essential correction on SIM/UICC interface compatibility	F	4.7.0	4.8.0	T3	T3-030417	TEI
TP-030124	approved	51.011	022	-	Rel-4	Correction of inconsistencies within the document	F	4.7.0	4.8.0	T3	T3-030402	TEI
TP-030124	approved	51.011	023	-	Rel-4	Correction of pre-personalisation values	F	4.7.0	4.8.0	T3	T3-030412	TEI
TP-030125	approved	51.013	001	-	Rel-5	Update of 51.013 Specification for Release 5	B	4.0.1	5.0.0	T3	T3-030409	TEI

ANNEX E   List of approved WIDs

This table lists all WIDs (new and revised) approved at this TSG-T meeting:

Tdoc	Title	Source	Notes / Status
TP-030106	T1 WID update (New WI 53 to cover CRs to Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band)	T1	approved
TP-030116	revised WID MMS Enhancements	T2	approved
TP-030148	Updated Work Item Description on: TS 23.048 test specification	T3	approved

ANNEX F   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 Electronics	TTA	skpark@samsung.com	+82-31-279-5300
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.org	+33 4 9294 4324
TSG-T WG1 (UE testing)					
Chair	Phillip BROWN	3	ETSI	phillip.brown@three.co.uk	+44 1628 765465
Vice chair	Dan FOX	Anritsu Ltd	ETSI	Dan.Fox@eu.anritsu.com	+44 7909 983357
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	vacant				
- 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	Gunilla Bratt	Ericsson	ETSI	gunilla.bratt@ecs.ericsson.se	+46 46 193 729
Secretary	Friedhelm RODERMUND	MCC (3GPP support)	3GPP	rodermund@etsi.org	+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	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
Vice chair	Jean-Francois RUBON	GEMPLUS Card International	ETSI	jean-francois.rubon@gemplus.co	+33 442 366639
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/