Technical Specification Group

TERMINALS

(TSG-T)

DRAFT v0.5
(Status: to be presented for approval to TSG-T #13)

Meeting Report of TSG-T meeting #12
Stockholm, 13 - 15 June 2001

Hosted by Ericsson

Contents

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

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, Dr Gunilla Bratt welcomed the delegates to Stockholm.

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-010082 contains the draft agenda for TSG-T #11. It was approved with minor modifications and can be found in annex A of this report.

3   Approval of the meeting report from TSG-T #11 meeting

TP-010080 contains the draft report of TSG-T #11. It was approved with several editorial modifications and made available with the word "draft" removed in TP-010081.

4   Letters and reports from other groups, LS incoming

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

TP-010083 contains the draft report of the TSG-SA #11 meeting held in Palm Springs. During a presentation of the report, the following points were highlighted:

-       the results of the election of officials for TSG-SA were:
    -       Niels Peter Skov Andersen (Motorola) was re-elected as Chairman;
    -       Gary Jones (VoiceStream) was re-elected by as Vice-chairman;
    -       Hiroshi Nakamura (NTT DoCoMo) was elected as Vice-chairman.
-       AMR wide band codec was discussed at length.

The report was noted.

TP-010084 contains the draft summary minutes, decisions and actions from 3GPP PCG meeting #6, held in Sophia Antipolis on 10 April 2001. The report was noted.

TP-010147 (the corrected version of TP-010085) contains the draft summary minutes, decisions and actions from 3GPP Organizational Partners meeting #5, held in Sophia Antipolis on 11 April 2001. The report was noted.

4.2   Others

TP-010091 contains an LS from RAN2 to TSG-T, T1 "Corrections of RLC wording in T1 CRs for TSG-T #12". RAN2 propose several corrections to the T1 CR. However, most of the issues raised had already been taken into account by T1 in the latest version of the CR anyway (the LS from T1 to RAN2 had by mistake included an old version of the T1 CR). The LS was noted.

TP-010092 contains an LS from SA4 to TSG-T and others "Codec Type UMTS_AMR_2". TP-010144 is an LS from SA4 on the same matter with updated information. The latter LS requests TSG-T to provide feedback with

information what implications the introduction of this codec type has to specifications under the responsibility of TSG-T and what their numbers are. It was concluded that:

- the codec would have no impact on T1 and T3 specifications (SA4 write and approve the test specifications for codecs);
- the codec would not have a direct impact on T2 specifications. However, it was noted that currently T2 MMS Stage2 Specification, TS 23.140 has specific references to codec types. These should probably be replaced by references to SA4 specifications and this matter will be raised at the next T2 meeting.

An LS to inform SA4 of these conclusions was drafted and approved in TP-010148.

TP-010093 contains an LS from SA1 to SA2 cc TSG-T "re: Voice Bearer Interworking". The LS was noted.

TP-010096 contains an LS from TSG-GERAN "Terminology clarifications". It was noted that this LS was likely to be discussed in TSG-SA. It was agreed that TSG-T should, in their status report, request TSG-SA to summarise the conclusions of the document and that thi summary should be sent to all WGs to implement in their specifications.

TP-010134 contains an LS from SA3 to SA1, T2, T3 cc TSG-T "Security and UE functionality split". The LS identifies some of the implications of the design of the 3G security architecture on the UE. SA3 propose a one day joint session (with T2 and T3) on the 3rd July to start the analysis. It was noted that in addition to this meeting, SA1 plan to discuss the service aspects of the issue in a meeting during the week of 25 June.

TP-010143 contains an LS from SA4 to SA1, SA2, cc TSG-T "Voice Bearer Interworking". The LS was noted

TP-010144 contains an executive summary on recent activity within the IETF which is related to 3GPP work. During a presentation of the document, the following points were highlighted:

- Monthly discussions were promulgated, with the ultimate goal of utilizing the Internet functionality, when possible, in the 3G wireless network;
- the 3GPP project plan has been updated to reflect the CN IETF dependencies;
- SIP was a slow standardization process but now the group has been split into two to increase the efficiency:
  - SIP;
  - Session Initiation Protocol Project INvestiGation (SIPPING) groups.
- 3GPP delegates participated in the last IETF meeting, in March and gave presentations about 3GPP work on charging requirements and the IMS architecture.

The document was noted.

5 Reports from TSG-T Working Groups

5.1 WG T1 Mobile Terminal Conformance Testing

5.1.1 Reports and liaisons from TSG-T WG1

TP-010115 contains the status report from T1 covering the period since the last TSG-T meeting in March. TP-010116 contains the draft minutes from the last T1 meeting. During the presentation of the reports, the following points were noted:

General Specifications:
- *TS 34.108, Common test Conditions for User Equipment (UE) Conformance Testing*
  - the Radio Bearers (RBs) have been organised as RBs used for interoperability tests and RBs used for other functional tests.
  - several change requests are proposed in TP-010118 - see section 5.1.3 of this report.

Radio Test Specifications:
- *TS 34.121, Terminal Conformance Specification, Radio Transmission and Reception (FDD)*
  - several change requests are proposed in TP-010119 - see section 5.1.3 of this report;
  - some of the changes address the test tolerance issue as anticipated at the last TSG-T meeting;
  - the main outstanding issue for TS 34.121 is the elaboration of the RRM tests. An ad hoc meeting with RAN4 is planned.

- *TS 34.122, Terminal Conformance Specification, Radio Transmission and Reception (TDD)*
    - the main outstanding issue for TS 34.122 is the elaboration of the RRM tests which have not yet been started. An ad hoc meeting with RAN4 is planned;
    - tests for 1.28 Mcps TDD (release 4) are presented for approval;
    - the test tolerance issue has been solved for all the European and Japanese regulatory items. CRs with the necessary changes for the high priority test cases are contained in TP-010120. Further CRs for other tests will be presented to the next TSG-T meeting. TP-010120 also contains several other CRs with corrections and clarifications.

Signalling Test Specifications:
- *TS 34.123-1, User Equipment (UE) Conformance Specification, Part 1 – Conformance specification*
    - several change requests are proposed in TP-010121. Most of them are due to changes within the core specification. See section 5.1.3 of this report for the approval status of these CRs.

- *TS 34.123-2, User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement*
    - several change requests are proposed in TP-010122 - see section 5.1.3 of this report.

- *TS 34.123-3, User Equipment(UE) Conformance Specification, Part 3 – Abstract test suites*
    - good progress has been made in the implementation of TTCN TCs. Design document (600 pages) + framework + 400 TTCN test cases have been implemented and are presented in TP-010124 (TS 34.123-3 v1.0.3) for information;
    - regarding the level of completeness and maturity, the basic framework will not be proven until the industry has started work on the TTCN. T1 do not therefore expect any 34-123-3 test cases for approval for version 3 until TSG-T #13 in September.
    - it was agreed that a clear mechanism (perhaps a TR) needs to be elaborated to indicate the maturity of the test. The three main categories of stability would be:
        - passes syntax checker;
        - can be complied on at least one available complier;
        - stable on available industry equipment.
    - Funding for 2nd half guaranteed - but first call for voluntary contributions (ref ETSI Collective Letter 2083 - see TP-010135) So far 12 mm received from Motorola and Telelogic (to be confirmed!)
    - Overall Status: Good progress in the implementation of TTCN TCs.
    - see also the report of MCC task 160 in TP-010117 below.

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

Test cases for regulatory purposes:
- *TR 34.910 "Identification of Test requirements for regulatory purposes in different regions/countries"*
    - the TR was presented for information (v1.0.0) at TSG-T #10 in TP-000220, but it has been delayed until September (TSG-T #13) due to lack of input.
    - some inputs have been received from Japan since TSG-T #11, but nothing has been received from the US.

Other issues:
- Handling of future releases:
    - current proposal (to be refined at next meetings): Future versions (releases) of protocol test cases will be merged into one single document that will include all the tests related to all the releases. An applicability table will provide information about which release each test case applies to. This would reduce the maintenance workload and will allow easy introduction of the release independent frequency band - this will be done by simply including the related information in the merged version of the specification (approach taken by GERAN4).
- Work plan:
    - a number of new work items are presented for approval in TP-010123 (see section 5.1.3 of this report)
- Testing of Applications:
    - Discussion has started on whether to create a new sub-working group to treat the testing of applications. Status of the discussion is that T1 will initially confine its testing to the "Application Enabler" (AE) functions (such as MExE, OSA, SAT and VHE) specified by 3GPP which will support the end applications generated by the Application Service Providers (such as vending, video, browser, etc). Discussions will take place with T2 during the co-located T1, T2 meeting in November.

TP-010117 is a status report of the work of the MCC task 160 on terminal testing. During a presentation of the report, it was noted that:

- 60 new GMM TTCN test cases available (since the last TSG-T meeting);
- 400 TTCN test cases included in 34.123-3 v.103;
- TTCN maintenance (update due to changes in core specifications) is the major task in the TTCN team;
- the status report requests guidance as to whether the existing team of experts in MCC task 160 should also generate the GERAN to UTRAN handover TTCN test cases and then transfer them to TSG-GERAN. It noted that the budget estimations that had been provided by T1 do not include provision for these tests since they are under the responsibility of TSG-GERAN. TSG-T concluded that the issue was mainly an "accounting" question and that TSG-GERAN should first discuss the issue of funding. TSG-T agreed that it may be beneficial for the experts in MCC task 160 to work on these new tests to that as long as this did not impact the existing schedule and priorities as listed in slide 11 of TP-010115.

TSG-T approved the status report in TP-010117. It was noted that this approval is the main condition that needs to be fulfilled before the task force can be paid for the work they have undertaken.

TP-010095 contains an LS from T1 to RAN2,4 cc TSG-T. T1 ask RAN4 and RAN2 to consider founding and joining an ad hoc group, which focuses on the needs for developing Radio Resource Management (RRM) conformance tests. The LS was noted.

5.1.2   Questions for advice and decisions on T1 issues

No documents were registered under this agenda item.

5.1.3   Approval of contributions from T1

TP-010118 contains CRs to TS 34.108. They were all approved.

TP-010119 contains CRs to TS 34.121. They were all approved.

TP-010120 contains CRs to TS 34.122. They were all approved.

TP-010121 contains CRs to TS 34.123-1. During a presentation of the document, the removal of the requirement to check the display of SMS in CR 069 (T1-010194) was questioned. It was explained that this had been done since most terminals have different methods of displaying SMS and that it was therefore difficult to elaborate clear conformance requirements. It was concluded that the CR should be approved and that T2 should produce some guidance for T1 as to how such requirements can be validated. The CRs were all approved.

TP-010122 contains CRs to TS 34.123-2. They were all approved.

TP-010123 contains several new Rel-4 work item descriptions covering the elaboration of new tests in the following areas:

- Conformance Test Aspects - improvements in Radio Interface
- Conformance Test Aspects - Low Chip Rate TDD
- Testing Layer 2 and layer 3 protocol aspects (SIG)
- LCR_TDD, Testing RF Radio Transmission and Reception (RF)
- Conformance Test Aspects - RAN Improvements
- Conformance Test Aspects - Emergency call enhancements
- Testing Emergency call enhancements for CS based calls (SIG)
- Miscellaneous UE Conformance Testing Activities
- Optimisation of Test Time, RF Aspects (FDD) (RF)
- Optimisation of Test Time, RF Aspects (TDD) (RF)
- Extensions to R99 Test cases (SIG), covers the completion of FDD prose and TTCN
- Maintenance of the R99 test specification and test cases (SIG)
- Creation of the Release 99 TCs for TDD, prose and TTCN (SIG)
- Testing of RAB support for RoHC
- Testing UMTS 1800/1900 (SIG/RF)

Regarding the latter item, there was some discussion about whether the two sets of tests for the two different frequency bands should be combined into a single work item since the core specifications belonged to different releases (UMTS 1800 is in Rel-4 and UMTS 1900 is/will be in Rel-5). It was agreed that it would be better to have two separate work items and so a revised version to split them was made available in TP-010150. With a correction to the title, the work items were approved as TP-010154.

5.1.4   Documents for information

TP-010124 contains TS 34.123-3 v1.0.3 "*User Equipment (UE) conformance specification; Part 3: Abstract Test Suites (Release 1999)*" for information. This specification is the third part of a multi-part specification containing, in TTCN, a suite of conformance tests for 3rd Generation User Equipment (UE). The tests are intended to ensure that User Equipment for 3GPP systems conform to the relevant 3GPP Technical Specifications. The specification contains xxx test cases of an expected final total of about 650. The specification was noted.

5.1.5   Work programme review of T1

No documents were presented under this agenda item. However, see also section 6 of this report.

5.2   WG T2 Mobile Terminal Services and Capability

5.2.1   Reports and liaisons from T2

TP-010125 contains the status report of T2. During the presentation of the report, the following major issues currently under discussion within T2 were noted as:

- T2 Chair and Vice Chairs were elected at TSG T2#13 Pusan with the following results:
    - Chairman: Ian Harris (Vodafone Ltd)
    - Vice-chairmen: Gunilla Bratt (Ericsson) and Peter Neumann (Siemens)
    - it was noted that six ballots for vice-chairmen were needed. A proposal to streamline the voting procedures will be made to the PCG by one of the TSG-T vice chairmen.

- Mobile Execution Environment (MExE) (T2 Sub Working Group 1):
    - No progress yet on MExE security Analysis;
    - A change has been proposed to the SA1 MExE Stage 1 specification to allow new classmarks without further revision;
    - CRs are proposed in TP-010126)

- UE Capabilities and Interfaces (T2 Sub Working Group 2)
    - the concerns of T3 regarding TS 23.227 "Application and User interaction in the UE - Principles and specific requirements" were address in an LS to T3 (see TP-010089)
    - a Rel-5 work item description elaborated to create a Terminal Local Model (see TP-010129)
    - T2 delegates will attend two up coming ad hoc meetings on the UE Functionality split issue;
    - no progress yet on vObjects and other constructs for Data Synchronisation;

- Messaging (T2 Sub Working Group 3)
    - focus is now on Rel-5;
    - the three main areas of work for MMS are currently MM7 application server Interface, Notification and Presence;
    - one CR on EMS presented to this meeting for approval;
    - T2 have proposed to SA1 to add EMS to CBS.

- Device / Terminal Management:
    - T2 wish to be central part of discussions on Device / Terminal Management. T2 will maintain close dialogue with SA5 and SynchML on those matters;

The report was noted.

TP-010088 contains an LS from T3 to T2 cc TSG-T about the T2 specification, TS 23.227 v4.0.0 "Application and User interaction in the UE - Principles and specific requirements". TP-010089 contains a reply from T2 to T3 addressing the issues raised. The LSs were noted.

TP-010090 contains an LS from T2 to SA1, SA2, T3 cc TSG-T "re:UE Functionality Split". 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

TP-010126 contains a series of corrective Rel-4 CRs to the MExE specification, TS 23.057. They were all approved.

> *Secretary's note:*   *Whilst implementing CRs in TP-010126 after the TSG-T meeting, the T2 secretary and 23.057 rapporteur concluded that it was not possible to incorporate two of the CRs (CR 23.057-086 and 23.057-092) because:*
> - *CR 086 deletes an entire subclause used by CR 080 (also in TP-010126);*
> - *CR 092 is based on an old version of the specification (v4.0.0 instead of v4.1.0) and contains conflicting revisions.*
> *Annex D of this report therefore shows the status of these two CRs as "postponed". Following discussion within T2, revised versions of the CRs may be presented to the next TSG-T meeting for approval.*

TP-010127 contain a series of corrective R99 CRs (and equivalent Rel-4 CRs) to TS 27.007 regarding AT commands CRs. They were all approved.

TP-010128 contains a series of CRs (correction and, for Rel-5, functional modifications) to the messaging specification, TS 23.040, TS 23.041 and TS 23.140. During the presentation of the document, it was commented that the reason for change was somewhat misleading. It states that GSM CBS is only applicable for the CS domain, but in fact, CBS is a RAN functionality and works both in idle mode and packet idle mode, as well as during GPRS sessions. Furthermore, it is not true that the RR layer in UMTS is not aware of the LA Identity. In fact, it is actually sent on the BCCH which is to be considered as RRM and thus the LA identity is provided by the Access stratum and not by the Non Access Stratum as stated in the CBS change request. Since the mistake applied only to the reason for change and not to the change itself, the CR, and all other CRs in the document was approved.

TP-010132 contains CR 23.040-028 Rel-5 "Extended Objects in EMS". This CR had caused some discussion during and after the recent T2 meeting, particularly regarding which functionality should be mandatory and which should be optional. One company objected to the CR in TP-010132, so during the TSG-T meeting, a revised version was produced in TP-010149 which changes extended object features from mandatory to recommended. i.e. Support of the specified data format is mandatory if a given feature is supported. TP-010149 was approved.

TP-010129 contains a new work item description to cover work on the Terminal Local Model specification for Rel-5. It had originally been planned to create a Terminal Local Model for Rel-4, but the work completed by the close of release 4 only covered application and user interaction in the UE. T2 believed that it would still be useful to have a model to describe the terminal and so drafted this new work item description. TP-010145 contains a discussion document which proposes the additional application specific testing to the Terminal Local Model work item description in TP-010129. During a discussion of these two documents, the following points were highlighted:

- it was noted that TP-010145 is proposing the interaction of the application environments that need to be tested, not the interaction of the applications themselves;
- T2 and T1 would endeavour to have a joint session during their co-located meetings in November to discuss application testing;
- it was noted that T2 would work closely with T3 and ensure that their views are taken into account;
- in TP-010129, the linked work items field should include EP SCP in addition to T3.

It was concluded that it would not be appropriate for TSG-T to change the WI description as described in TP-010144 without the matter first being discussed in T2. T1 and T2 undertook to have further discussions about the application testing issues during their co-located meeting in November. With the addition of the changes listed in the last bullet point above, a revised version of the work item description was made available in TP-010152 and approved.

TP-010130 contains a new work item description to enhance MMS for release 5. One of the main new enhancements will be support for the 3GPP IP Multimedia Subsystem. Several other features will also be investigated and specified if appropriate. The work item description was approved.

TP-010131 contains a new work item description to enhance EMS for release 5. This will address the investigation and specification of new functionality for several new features, including "a line or vector based image format", "new monophonic and polyphonic Sound formats", "means of sequencing various elements", "more complex elements (forms, menus, session ID etc)", "other new data formats", "alternative compression techniques", "using EMS in CBS", and other items. Discussion concluded that there would also be charging aspects related to the used of EMS in CBS and so a revised version of the work item description was made available in TP-010153 to identify this. This revised version was approved.

5.2.4   Documents for information

No documents were submitted for information.

5.2.5   Work programme review of T2

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

5.3   WG T3 USIM

5.3.1   Reports and liaisons from TSG-T WG3

TP-010100 contains the status report for T3. During the presentation of the report, the following points were highlighted:

- T3 #19 was hosted by the North American Friends of the 3GPP from the 08 - 11 May 2001;
- several ad hoc meetings had been held on issues such as Java API testing, USAT interpreter, C-Language Binding, SIM/USIM interworking (joint with SA3) and the USIM transport protocol;
- The main discussions at the last meeting involved the following specifications:
- TS 02.19 "SIM Application Programming Interface stage 1" (see CR in TP-010101)
  - a CR is proposed with a new requirement to specify that the API framework on an UICC shall ensure that applications within the framework do not interfere with the Operating System or other applications on the card.
- TS 03.19 "SIM Application Programming Interface (API) - stage 2 (Java™)" (see CRs in TP-010102)
  - some corrections were found necessary as a result of the work done to develop a test specification (GSM 11.13). Several release 5 CRs are proposed for new or functional modifications. The largest implements the Bearer Independant Protocol feature as specified in the core SIM Toolkit release 99 specification. It was noted that T3 had concluded that although this functionality had been added to the R99 version of the core specification (TS 11.14), it was felt too late for such a functional modification for the R99 version of GSM 03.19.
- TS 02.48 "Security Mechanisms for SIM toolkit - Stage 1" (see CR in TP-010103)
  - CR to align with Rel-4 core specifications. It was noted that this would result in the creation of TS 22.048 and the withdrawal of TS 42.048 (Rel-4) which had been automatically created following the the last TSG-T meeting.
- TS 03.48 "Security Mechanisms for SIM toolkit - Stage 1" (see CRs in TP-010104)
  - the CRs cover a correction, support for the bearer independant protocol (as specified in TS 11.14) and an alignment with Rel-4 core 2G/3G specifications. It was noted that the latter CR would result in the creation of TS 23.048 and the withdrawal of TS 43.048 (Rel-4) which had been automatically created following the the last TSG-T meeting.
- TS 11.13 "Test specification for SIM API for Java™" (see CR in TP-010105)
  - the CR contains correction to the API test plan.
- TS 11.14 & 31.111 "SIM/USIM application toolkit" (see CRs in TP-010106)
  - several corrective CRs.
- TS 31.102 "Characteristics of the USIM application" (see CRs in TP-010107)
  - several corrective CRs and two CRs on new features are submitted to incorporate new functionality to store the Service Provide Name (SPN) and new functionality to store GPRS operator preferences which would be used in cases where an application does not fully specify the GPRS settings.
- TS 51.011 "SIM/ME interface" (see CRs in TP-010109).
  - during the last TSG-T meeting, it had been agreed that there was a requirement to continue to have a GSM only interface specification for Rel-4. T3 #19 therefore drafted a CR to 11.11 to add those Rel-4 functions from the USIM specification which were appropriate also for the SIM. These modifications are contained in CR 002. CR 001 contains a CR to add functionlity to store GPRS operator preferences which would be used in cases where an application does not fully specify the GPRS settings.

- TS 31.121 "USIM Application Test specification" (see CR in TP-010108)
    - there are three corrective CRs and one CR to create the Rel-4 version of the test specification.
- TR 31.900 "SIM/USIM Internal and External Interworking Aspects" (see draft spec in TP-010112)
    - this report is now complete and is presented to TSG-T for approval (see section 5.3.3 of this report for more information).
- Several new work item descriptions were drafted on:
    - C-language binding for (U)SIM API (TP-010110)
    - Test suites for the USAT interpreter (TP-010111)
    - Definition and specification of a UICC/USIM Transport Protocol (TP-010112)
- Several liaison statements were copied by T3 to TSG-T for information;
    - TP-010086 is an LS from T3 to SA1 cc TSG-T on the Service Provider Name feature. The LS was noted.
    - TP-010087 is an LS from T3 to SA3 cc TSG-T on 2G security in 3G network when roaming. See also section 5.1.3 of this report for further information on this topic.
    - TP-010088 is an LS from T3 to T2 cc TSG-T regarding the T2 specification, TS 23.227 "Application and User interaction in the UE - Principles and specific requirements". See also section 5.2.1 for further information on this topic.
- The T3 chairman also noted some of the major activities of ETSI Project Smart Card Platform (EP SCP):
    - in line with discussion at the last TSG-T meeting, EP SCP have enhanced their specification on application identifiers to include 3GPP specific identifiers. This will allow T3, at their next meeting, to delete this material from TS 31.110 and replace it by a reference to ETSI TS 101 220.
    - talks are continuing on transferring EP SCP into a partnership project. In addition to the telecoms standards bodies, there is interest from organisations in the financial sector in participating in such a partnership.

The status report was noted. See also section 5.3.3 of this report for the status of those items which were put forward for approval.

5.3.2   Questions for advice and decisions on T3 issues

No issues were raised under this agenda item.

5.3.3   Approval of contributions on T3 issues

TP-010101 contains CRs to 02.19. There were all approved.

TP-010102 contains CRs to 03.19. They were all approved.

TP-010103 contains CRs to 02.48. They were all approved. It was noted that these CRs would result in the creation of TS 22.048 Rel-4 and the withdrawal of TS 42.048 Rel-4.

TP-010104 contains CRs to 03.48. They were all approved. It was noted that these CRs would result in the creation of TS 23.048 Rel-4 and the withdrawal of TS 43.048 Rel-4.

TP-010105 contains a CR to 11.13. It was approved.

TP-010151 (a corrected version of TP-010106) contains CRs to 11.14 and 31.111 for approval. They were all approved.

TP-010107 contains CRs to 31.102. They were all approved with the exception of CR 095 (enhancement of the Service Provider Name feature) which was conditionally approved subject to the approval of the corresponding SA1 CR at the TSG-SA meeting in the following week.

> Secretary's note: During the subsequent TSG-SA meeting, the corresponding SA1 CR on SPN was approved. However, on a different issue, it was noted during the TSG-SA meeting that SA1 were still discussing the service requirement for the storage of the GPRS operator preferences. TSG-SA therefore requested that the T3 CRs on this matter, (CRs 31.102-082 and 51.011-001) should not be incorporated into the next versions of the T3 specifications and that they should instead be re-presented at the next TSG-T meeting. The annex of this report therefore shows the status of these two CRs as "postponed".

TP-010108 contains CRs to 31.121. There were all approved.

TP-010109 contains CR to 51.011. They were all approved.

> *Secretary's note: See note above for TP-010107 which refers also to CR 51.011-011.*

TP-010110 contains a new work item description for a C-language binding for (U)SIM API. It was approved.

TP-010111 contains a new work item description for the USAT Interpreter. It was approved.

TP-010112 contains a new work item description for a UICC/USIM Transport Protocol. It was approved.

TP-010113 contains TR 31.900 v2.0.0 "SIM/USIM interworking". It was approved.

5.3.4   Documents for information

No documents were presented under this agenda item.

5.3.5   Work programme review of T3

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

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

TP-010097 contains the specification status list prior to TSGs#12. The list was noted.

TP-010098 contains a presentation about the present status of the 3GPP work plan and TP-010099 contains the 3GPP work plan in MS project format. The presentation lists the progress made on each work item and highlights other changes made during recent 3GPP working group meetings. Both documents were noted.

TP-010136 is a CR to 21.101 R99: "Correction to list of specs". It was noted.

TP-010137 is a CR to 21.102 Rel-4: "Correction to list of specs". It was noted.

TP-010138 contains the first draft of TS 21.103: "3rd Generation mobile system Release 5 Specifications". It was noted.

TP-010139 is a CR to 01.01: "GSM Release 1999 specifications". It was noted.

TP-010140 is a CR to 41.102: "GSM Release 4 Specifications". It was noted.

TP-010141 contains the first draft of TS 41.103 "GSM Release 5 Specifications". It was noted.

TP-010142 contains the master list of specification titles for each specification number. The document was noted.

7   Liaison Statements (LS) outgoing

One outgoing LS was created in TP-010148 - see section 4.1 of this report.

8   Postponed issues from earlier in the meeting

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

9   Any Other Business

No other issues were raised.

10   Work Plan and Future Meeting Schedule

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

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

Meeting	Date	Host	Location
TSG-T #13 TSG-SA #13	19 - 21 September, 2001 24 - 27 September, 2001	Lucent/CWTS	Beijing, China
TSG-T #14 TSG-SA #14	12 - 14 December, 2001 17 - 20 December, 2001	ARIB/TTC	Kyoto, Japan
TSG-T #15 TSG-SA #15	6 - 8 March 2002 11 - 14March 2002	TTA	Korea
TSG-T #16 TSG-SA #16	5 - 7 June, 2002 10 - 13 June, 2002	Motorola	Florida, USA
TSG-T #17 TSG-SA #17	4 - 6 September, 2002 9 - 12 September, 2002	Alcatel	France
TSG-T #18 TSG-SA #18	4 - 6 December, 2002 9 - 12 December, 2002	North American 'Friends of 3GPP'	USA
TSG-T #19 TSG-SA #19	March 2003	UK operators	UK
TSG-T #20 TSG-SA #20	June 2003	Nokia	Finland

11   Close of the meeting

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

ANNEX A   Approved Agenda

Agenda Item	Input documents (TP-010nnn)
1 Opening of the meeting and IPR reminder (09:00, 13 June)	
2 Approval of Agenda	082
3 Approval of the meeting report from TSG-T#11	080
4 Letters and reports from other groups, LS incoming *4.1 OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN* *4.2 Others*	 083, 084, 085 091, 092, 093, 094, 096, 134, 143, 144, 147

5   Reports from TSG-T Working Groups
5.1   WG T1 Mobile Terminal Conformance Testing
    5.1.1   Reports and liaisons from TSG-T WG1
    5.1.2   Questions for advice and decisions on T1 issues
    5.1.3   Approval of contributions on T1 issues
    5.1.4   Documents for information
    5.1.5   Work programme review of T1
 	
5.2   WG T2 Mobile Terminal Services and Capability
    5.2.1   Reports and liaisons from T2
    5.2.2   Questions for advice and decisions on T2 issues
    5.2.3   Approval of contributions on T2 issues
    5.2.4   Documents for information
    5.2.5   Work programme review of T2
 	
5.3   WG T3 USIM
    5.3.1   Reports and liaisons from TSG-T WG3
    5.3.2   Questions for advice and decisions on T3 issues
    5.3.3   Approval of contributions on T3 issues
 	
    5.3.4   Documents for information
    5.3.5   Work programme review of T3
	
	095, 115, 116, 117
	
	118, 119, 120, 121, 122, 123
	124
	
	089, 090, 125
	145
	126, 127, 128, 129, 130, 131, 132
	
	086, 087, 088, 100
	
	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113

6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA *6.1 Release 99* *6.2 Release 4* *6.3 Release 5* *6.4 Other issues*	097, 098, 099 136, 139 137, 140 138, 141 142
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 June 15)	

ANNEX B   List of attendees

Lastname	Firstname(s)	Organization Represented	Partner
Afchar	Ramin	CETECOM GmbH	ETSI
Andersen	Niels Peter Skov	MOTOROLA A/S	ETSI
Barnes	Nigel	MOTOROLA Ltd	ETSI
Berg	Helena	Ericsson Radio System AB	ETSI
Bindrim	Walter	Materna GmbH	ETSI
Bratt	Gunilla	ERICSSON L.M.	ETSI
Brook	Richard	SAMSUNG Electronics	ETSI
Campbell	Sean	Cingular Wireless LLC	T1
Cassen	Quentin	CONEXANT SYSTEMS SAS	T1
Charbonnier	Philippe	SAGEM Group	ETSI
Clibborn	Barclay	TECNOMEN OY	ETSI
Deng	Yuxing	China Mobile Company Corp.	CWTS
Donat	Peter	SIEMENS	ETSI
Ehrlich	Ed	Nokia Telecommunications Inc.	T1
Ellsberger	Jan	Ericsson Radio System AB	ETSI
Felicetti	Giulia	TELECOM ITALIA S.p.A.	ETSI
Fox	Daniel	ANRITSU LTD	ETSI
George	Peter	ANRITSU LTD	ETSI
Grant	Marc	Cingular Wireless LLC	T1
Harris	Ian	VODAFONE Group Plc	ETSI
Hayes	Stephen	Ericsson Inc.	T1
Holley	Kevin	BT	ETSI
Jaeger	Thomas	7 LAYERS AG	ETSI
Jolivet	Paul	DoCoMo Europe S.A.	ETSI
Jones	Gary	VoiceStream Wireless Corp.	T1
Jones	Barry	M@gic4 Ltd	ETSI
Kanerva	Mikko	NOKIA Corporation	ETSI
Kittel	Kay	SIEMENS AG	ETSI
Klajmic	Daniel	BOUYGUES Telecom	GSM-A
Klusmann	Matthias	Lucent Technologies	ETSI
Komatsu	Shigeki	NEC Corporation	ARIB
Krishnarajah	Ainkaran	Ericsson Radio System AB	TTA
Larsson	Torbjorn	Ericsson Radio System AB	ETSI
Lee	Kwangchun	ETRI	TTA
Leuca	Ileana	AT&T Wireless Services, Inc.	T1
Maeda	Yutaka	ARIB	ARIB
Maier	Gerhard.M.	SHARP Manufacturing France S.A	ETSI
Nakayama	Keiichi	ARIB	ARIB
Neumann	Peter	SIEMENS AG	ETSI
Nielsen	Bjarke	QUALCOMM EUROPE S.A.R.L.	ETSI
Noda	Chie	NTT DoCoMo	ARIB
Nordin	Johan	TELELOGIC AB	ETSI
Ohlsén	Hakan	Nippon Ericsson K.K.	ARIB
Oikarinen	Timo	SONERA Corporation	ETSI
Park	Sang-Keun	Samsung Electronics Co., Ltd	TTA
Persson	Sofi	TELIA AB	ETSI
Rodermund	Friedhelm	ETSI Secretariat	3GPP support
Ryu	Joon	SAMSUNG Electronics	TTA
Saito	Hiroshi	Matsushita Communication	ARIB
Salmeron	Lidia	ETSI Secretariat	3GPP support
Sampson	Nick	ORANGE PCS LTD	ETSI
Sanders	Michael	ETSI Secretariat	3GPP support
Santoro	Carmelo	TELECOM ITALIA S.p.A.	ETSI
Sasaki	Akio	ARIB	ARIB
Segura	Fabrice	SWAPCOM	ETSI

Shimokawara	Yoichi	SONY Corporation	ARIB
Simmons	Paul	NORTEL NETWORKS (EUROPE)	ETSI
Sjöberg	Anders	ERICSSON L.M.	ETSI
Soberg	Tom	Nippon Ericsson K.K.	ARIB
Sood	Prem	SHARP Corporation	ARIB
Stoim	Michael	MANNESMANN Mobilfunk GmbH	ETSI
Stromme	Jon E.	TELELOGIC AB	ETSI
Sudoh	Manabu	NTT DoCoMo Inc.	ARIB
Valet-Harper	Isabelle	MICROSOFT EUROPE SARL	ETSI
Vedder	Klaus	GIESECKE & DEVRIENT GmbH	ETSI
Vincent	Paul	ALCATEL France	ETSI
Voskar	Paul	NOKIA UK Ltd	ETSI
Warberg	Barbro	TELIA AB	ETSI
Watanabe	Nobuhiko	SONY Corporation	ARIB
Weerasekera	Indaka	Lucent Technologies N. S. UK	ETSI
Winstanley	Robert	MATSUSHITA COMMUNICATION	ETSI
Yamada	Jun	Hitachi Ltd	ARIB

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, Michael Sanders (sanders@ETSI.fr)

Tdoc	Title	Source	Agenda	Status
TP-010080	Report (v0.0.3) of TSG-T #11 (Palm Springs, 14 - 16 March 2001)	TSG-T secretary	3	revised - see TP-010081
TP-010081	Report of TSG-T #11 (Palm Springs, 14 - 16 March 2001)	TSG-T	3	approved
TP-010082	Agenda (draft) for TSG-T #12 (Stockholm, 13 - 15 June, 2001)	TSG-T Chairman	2	revised - see report
TP-010083	Report (v0.0.6) of TSG-SA #11 (Palm Springs, 19 - 22 March 2001)	TSG-SA secretary	4.1	noted
TP-010084	Draft summary minutes, decisions and actions from 3GPP PCG Meeting#6, Sophia Antipolis, 10 April 2001	PCG secretary	4.1	noted
TP-010085	Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#5, Sophia Antipolis, 11 April 2001	OP secretary	4.1	replaced by TP-010147
TP-010086	LS from T3 to SA1 cc TSG-T "re: Service Provider Name"	T3 (T3-010445)	5.3.1	noted
TP-010087	LS from T3 to SA3, TSG-T & others: "Rejection of 2G Authentication and Key Agreement by 3G ME with USIM in UTRAN"	T3 (T3-010379)	5.3.1	noted
TP-010088	LS from T3 to T2 cc TSG-T "re:TS 23.227 v4.0.0 "Application and User interaction in the UE - Principles and specific requirements"	T3 (T3-010442)	5.3.1	noted
TP-010089	LS from T2 to T3 cc TSG-T "re:TS 23.227 v4.0.0 "Application and User interaction in the UE - Principles and specific requirements"	T2 (T2-010568)	5.2.1	noted
TP-010090	LS from T2 to SA1, SA2, T3 cc TSG-T "re:UE Functionality Split"	T2 (T2-010426)	5.2.1	noted
TP-010091	LS from RAN2 to TSG-T, T1 "Corrections of RLC wording in T1 CRs for TSG-T #12"	RAN2 (R2-011482)	4.2	discussed
TP-010092	LS from SA4 to TSG-T and others "Codec Type UMTS_AMR_2"	SA4 (S4-010243)	4.2	discussed - see TP-010148
TP-010093	LS from SA1 to SA2 cc TSG-T "re: Voice Bearer Interworking"	SA1 (S1-010529)	4.2	noted
TP-010094	LS from SA1 to T3 cc TSG-T "Display of Service Provider Name"	SA1 (S1-010381)	4.2	noted
TP-010095	LS from T1 to RAN2,4 cc TSG-T "Establishment of an AdHoc for RRM test"	T1 (T1-010159)	5.1.1	noted
TP-010096	LS from TSG-GERAN "Terminology clarifications"	GERAN (GP-011437)	4.2	discussed
TP-010097	Specification status list prior to TSGs#12 (for information)	MCC	6	noted
TP-010098	3GPP Work Program - summary presentation	MCC	6	noted
TP-010099	3GPP Work Program - full version (MS project & PDFs)	MCC	6	noted
TP-010100	T3 status report	T3 chairman	5.3.1	presented
TP-010101	CRs to 02.19 **for approval**	T3	5.3.3	approved
TP-010102	CRs to 03.19 **for approval**	T3	5.3.3	approved
TP-010103	CRs to 02.48 **for approval**	T3	5.3.3	approved
TP-010104	CRs to 03.48 **for approval**	T3	5.3.3	approved
TP-010105	CR to 11.13 **for approval**	T3	5.3.3	approved
TP-010106	CRs to 11.14 and 31.111 **for approval**	T3	5.3.3	revised - see T3-010151
TP-010107	CRs to 31.102 **for approval**	T3	5.3.3	approved
TP-010108	CRs to 31.121 **for approval**	T3	5.3.3	approved
TP-010109	CR to 51.011 **for approval**	T3	5.3.3	approved
TP-010110	Draft Work item description for a C-language binding for (U)SIM API **for approval**	T3	5.3.3	approved
TP-010111	Draft Work Item description for test suites for the USAT Interpreter protocols **for approval**	T3	5.3.3	approved
TP-010112	Draft Work item description for the definition and specification of a UICC/USIM Transport Protocol **for approval**	T3	5.3.3	approved
TP-010113	TR 31.900 v2.0.0 "SIM/USIM interworking" **for approval**	T3	5.3.3	approved
TP-010114	not used			not used
TP-010115	T1 status report	T1 chairman	5.1.1	presented
TP-010116	Draft minutes from T1#11	T1 secretary	5.1.1	noted
TP-010117	Status report of MCC task 160	Task 160 leader	5.1.1	approved
TP-010118	CRs to TS 34.108 **for approval**	T1	5.1.3	approved
TP-010119	CRs to TS 34.121 **for approval**	T1	5.1.3	approved

continued....

Tdoc	Title	Source	Agenda	Status
TP-010120	CRs to TS 34.122 **for approval**	T1	5.1.3	approved
TP-010121	CRs to TS 34.123-1 **for approval**	T1	5.1.3	approved
TP-010122	CRs to TS 34.123-2 **for approval**	T1	5.1.3	approved
TP-010123	T1 work items **for approval**	T1	5.1.3	revised - see TP-010150
TP-010124	TS 34.123-3, v 103 for information	T1	5.1.4	noted
TP-010125	T2 progress report	T2 chair	5.2.1	presented
TP-010126	MExE Change Requests **for approval**	T2	5.2.3	approved
TP-010127	Terminal Interfaces and Capabilities Change Requests **for approval**	T2	5.2.3	approved
TP-010128	Messaging Change Requests **for approval**	T2	5.2.3	approved
TP-010129	WID Terminal Local Model Rel-5 **for approval**	T2	5.2.3	revised - see TP-010152
TP-010130	WID MMS Rel-5 **for approval**	T2	5.2.3	approved
TP-010131	WID EMS Rel-5 **for approval**	T2	5.2.3	revised - see TP-010153
TP-010132	CR 23.040-028 Rel-5 "Extended Objects in EMS"	T2	5.2.3	revised - see TP-010149
TP-010133	not used			not used
TP-010134	LS from SA3 to SA1, T2, T3 cc TSG-T "Security and UE functionality split"	SA3 (S3-010289)	4.2	noted
TP-010135	ETSI collective letter "TTCN voluntary contributions for MCC Task 160 in the development of ATSs/PIXIT/for 3G UE R99"	ETSI Secretariat (CL2083)	5.1.1	noted
TP-010136	CR to 21.101 R99: "Correction to list of specs"	MCC	6.1	noted
TP-010137	CR to 21.102 Rel-4: "Correction to list of specs"	MCC	6.2	noted
TP-010138	TS 21.103: "3rd Generation mobile system Release 5 Specifications"	MCC	6.3	noted
TP-010139	CR to 01.01: "GSM Release 1999 specifications.	MCC	6.1	noted
TP-010140	CR to 41.102: "GSM Release 4 Specifications"	MCC	6.2	noted
TP-010141	TS 41.103: "GSM Release 5 Specifications"	MCC	6.3	noted
TP-010142	Spec numbers and titles	MCC	6.4	noted
TP-010143	LS from SA4 to SA1, SA2, cc TSG-T "Voice Bearer Interworking"	SA4 (S4-010386)	4.2	noted
TP-010144	LS from SA4 to TSG-T " re:Codec Type UMTS_AMR_2"	SA4 (S4-010389)	4.2	discussed - see TP-010148
TP-010145	Discussion document: Addition of Testing capabilities to the Building Block "Terminal Local Model"	CETECOM and Materna	5.2.2	discussed
TP-010146	Report of IETF activities	At&T Wireless	4.2	presented
TP-010147	Draft summary minutes, decisions and actions from 3GPP Organizational Partners Meeting#5, Sophia Antipolis, 11 April 2001	OP secretary	4.1	noted
TP-010148	LS to SA4 cc TSG-SA "re: Codec Type UMTS_AMR_2"	TSG-T	4.1	approved
TP-010149	CR 23.040-028rev1 "Extended object in EMS"	TSG-T#12 ad hoc	5.2.3	approved
TP-010150	T1 work items on UMTS 1800/1900 testing **for approval**	TSG-T	5.1.3	revised - see TP-010154
TP-010151	CRs to 11.14 and 31.111 **for approval**	T3	5.3.3	approved
TP-010152	WID Terminal Local Model Rel-5 **for approval**	T2	5.2.3	approved
TP-010153	WID MMS Rel-5 **for approval**	T2	5.2.3	approved
TP-010154	T1 work items on UMTS 1800/1900 testing **for approval**	TSG-T	5.1.3	approved

ANNEX D   List of change requests presented to TSG-T #12

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

TSG Doc	TSG status	Spec	CR	rv	Rel	Cat	Subject	Old vers	New vers	WG
TP-010101	approved	02.19	A002		Rel-5	C	Limitation of proactive command issued by an application	7.1.0	5.0.0	T3
TP-010103	approved	02.48	A001		Rel-4	F	Alignment with 3G release-4 specifications	8.0.0	4.0.0	T3
TP-010102	approved	03.19	A016		R99	F	Clarifiaction and corrections following creation of the test specification	8.1.0	8.2.0	T3
TP-010102	approved	03.19	A013		Rel-5	C	Limitation of proactive command issued by an application	8.1.0	5.0.0	T3
TP-010102	approved	03.19	A015		Rel-5	B	Integrate the Bearer Independent Protocol Feature defined release 99	8.1.0	5.0.0	T3
TP-010102	approved	03.19	A014		Rel-5	C	Clarification of the handler size to the applet	8.1.0	5.0.0	T3
TP-010104	approved	03.48	A016		Rel-5	B	Support of the bearer independent protocol feature	8.5.0	5.0.0	T3
TP-010104	approved	03.48	A017		R99	F	Correction to the Open Platform specification reference	8.5.0	8.6.0	T3
TP-010104	approved	03.48	A018		Rel-4	F	Alignment with 3G release-4 specifications	8.5.0	4.0.0	T3
TP-010105	approved	11.13	A001		R98	F	Corrections to the API Test plan, addition of the test area files and modification of	7.0.0	7.1.0	T3
TP-010151	approved	11.14	A201		R99	F	Correction of Annex J (Bearer independant protocol examples)	8.6.0	8.7.0	T3
TP-010151	approved	11.14	A197		R98	F	Limitation of data field in the C-APDU and R-APDU data object	7.6.0	7.7.0	T3
TP-010151	approved	11.14	A196		R99	A	Clarification of min and max length for GET INPUT	8.6.0	8.7.0	T3
TP-010151	approved	11.14	A200		R99	A	REFRESH-SIM Initialization : correction of a reference	8.6.0	8.7.0	T3
TP-010151	approved	11.14	A198		R99	A	Limitation of data field in the C-APDU and R-APDU data object	8.6.0	8.7.0	T3
TP-010151	approved	11.14	A199		R98	F	REFRESH-SIM Initialization : correction of a reference	7.6.0	7.7.0	T3
TP-010151	approved	11.14	A195		R98	F	Clarification of min and max length for GET INPUT	7.6.0	7.7.0	T3
TP-010128	approved	23.040	022		Rel-5	B	Addition of text and background colour	4.2.0	5.0.0	T2
TP-010128	approved	23.040	023		Rel-4	F	Clarification of User Prompt Indicator	4.2.0	4.3.0	T2
TP-010128	approved	23.040	024		Rel-5	B	Object Distribution Indicator	4.2.0	5.0.0	T2
TP-010128	approved	23.040	025		Rel-4	F	Clarification of Email Addressing for Email – SMS Interworking	4.2.0	4.3.0	T2
TP-010128	approved	23.040	026		Rel-4	F	Removal of duplicated values in TP-PID section	4.2.0	4.3.0	T2
TP-010128	approved	23.040	027		Rel-4	F	Application Port Addressing Clarification	4.2.0	4.3.0	T2
TP-010149	approved	23.040	028	1	Rel-5	B	Extended objects in EMS	4.2.0	5.0.0	T2
TP-010128	approved	23.041	006		R99	F	Clarification of Geographical Scope	3.3.0	3.4.0	T2
TP-010128	approved	23.041	007		Rel-4	A	Clarification of Geographical Scope	4.0.0	4.1.0	T2
TP-010126	approved	23.057	079		Rel-4	F	Manufacturer RPK	4.1.0	4.2.0	T2
TP-010126	approved	23.057	080		Rel-4	F	Correction of SIM insert/remove terminology	4.1.0	4.2.0	T2
TP-010126	approved	23.057	081		Rel-4	F	Administrator mechanism	4.1.0	4.2.0	T2
TP-010126	approved	23.057	082		Rel-4	F	Clarification of note 10 in table 6	4.1.0	4.2.0	T2
TP-010126	approved	23.057	083		Rel-4	F	MExE Device Administrator	4.1.0	4.2.0	T2
TP-010126	approved	23.057	084		Rel-4	F	Quality of Service Support	4.1.0	4.2.0	T2
TP-010126	approved	23.057	085		Rel-4	F	Administrator Determination Mechanism	4.1.0	4.2.0	T2
TP-010126	postponed	23.057	086		Rel-4	F	Status of applications when valid RPK not available	4.1.0	-	T2
TP-010126	approved	23.057	087		Rel-4	F	Executable integrity	4.1.0	4.2.0	T2
TP-010126	approved	23.057	088		Rel-4	F	Clarifications on call control and signed packages	4.1.0	4.2.0	T2
TP-010126	approved	23.057	089		Rel-4	F	More Abbreviations	4.1.0	4.2.0	T2

TP-010126	approved	23.057	090		Rel-4	F	CC/PP Working Group Web Page	4.1.0	4.2.0	T2
TP-010126	approved	23.057	091		Rel-4	F	Using WBXML when transporting CC/PP over WSP	4.1.0	4.2.0	T2
TP-010126	postponed	23.057	092		Rel-4	F	Clarification of root public keys	4.1.0	-	T2
TP-010126	approved	23.057	093		Rel-4	F	Certificate Chain Verification Diagram	4.1.0	4.2.0	T2
TP-010128	approved	23.140	004		Rel-4	F	Corrections on MM4 example	4.2.0	4.3.0	T2
TP-010128	approved	23.140	005		Rel-4	F	MMS Media Codec/Format – Corrections, Clarifications and Updates	4.2.0	4.3.0	T2
TP-010128	approved	23.140	006		Rel-4	F	Address Hiding and Read-Reply Report	4.2.0	4.3.0	T2
TP-010128	approved	23.140	007		Rel-4	F	Correction of MMSE definition	4.2.0	4.3.0	T2
TP-010127	approved	27.007	061		Rel-4	A	Aligning command AT+CSNS with changes introduced to single numbering scheme	4.1.0	4.2.0	T2
TP-010127	approved	27.007	062		R99	F	Aligning command AT+CSNS with changes introduced to single numbering scheme	3.8.0	3.9.0	T2
TP-010127	approved	27.007	063		R99	F	Inclusion of multimedia values to command AT+CBST	3.8.0	3.9.0	T2
TP-010127	approved	27.007	064		Rel-4	A	Inclusion of multimedia values to command AT+CBST	4.1.0	4.2.0	T2
TP-010127	approved	27.007	065		R99	F	Modification to Request Packet Domain service 'D' command	3.8.0	3.9.0	T2
TP-010127	approved	27.007	066		Rel-4	A	Modification to Request Packet Domain service 'D' command	4.1.0	4.2.0	T2
TP-010127	approved	27.007	067		R99	F	Inclusion of IPv6 and removal of X.25 and OSPIH <PDP type> values	3.8.0	3.9.0	T2
TP-010127	approved	27.007	068		Rel-4	A	Inclusion of IPv6 and removal of X.25 and OSPIH <PDP type> values	4.1.0	4.2.0	T2
TP-010107	approved	31.102	079		R99	F	Alignment of Status Words for AUTHENTICATE with TS 102 221	3.5.0	3.6.0	T3
TP-010107	approved	31.102	080		Rel-4	A	Alignment of Status Words for AUTHENTICATE with TS 102 221	4.0.0	4.1.0	T3
TP-010107	approved	31.102	081		R99	F	Correction of EF(ECC) (note: R99 only)	3.5.0	3.6.0	T3
TP-010107	postponed	31.102	082		Rel-4	B	Addition of Operators Preferences file for GPRS service usage	4.0.0	-	T3
TP-010107	approved	31.102	083		R99	F	Correction to EF(HPLMNwACT) access condition	3.5.0	3.6.0	T3
TP-010107	approved	31.102	084		Rel-4	A	Correction to EF(HPLMNwACT) access condition	4.0.0	4.1.0	T3
TP-010107	approved	31.102	085	1	R99	F	General corrections	3.5.0	3.6.0	T3
TP-010107	approved	31.102	086		Rel-4	A	General corrections	4.0.0	4.1.0	T3
TP-010107	approved	31.102	087	1	R99	F	Clarification of the Authenticate command description	3.5.0	3.6.0	T3
TP-010107	approved	31.102	088		R99	F	Clarification of the type 3 links of the phonebook	3.5.0	3.6.0	T3
TP-010107	approved	31.102	089		Rel-4	A	Clarification of the type 3 links of the phonebook	4.0.0	4.1.0	T3
TP-010107	approved	31.102	090		R99	F	Correction of compact Edge files	3.5.0	3.6.0	T3
TP-010107	approved	31.102	091		R99	F	Clarification of OCT/ICT files	3.5.0	3.6.0	T3
TP-010107	approved	31.102	092		Rel-4	A	Clarification of OCT/ICT files	4.0.0	4.1.0	T3
TP-010107	approved	31.102	093		Rel-4	A	Clarification of the Authenticate command description	4.0.0	4.1.0	T3
TP-010107	approved	31.102	094		Rel-4	A	Correction of compact Edge files	4.0.0	4.1.0	T3
TP-010107	approved	31.102	095		Rel-4	C	New implementation of SPN	4.0.0	4.1.0	T3
TP-010151	approved	31.111	041		R99	F	Correction to NMR functionnality (and BCCH list & TA)	3.4.0	3.5.0	T3
TP-010151	approved	31.111	042		Rel-4	A	Correction to NMR functionnality (and BCCH list & TA)	4.2.1	4.3.0	T3
TP-010151	approved	31.111	043		R99	F	General corrections	3.4.0	3.5.0	T3
TP-010151	approved	31.111	044		Rel-4	A	General corrections	4.2.1	4.3.0	T3
TP-010151	approved	31.111	045		R99	F	Clarification of min and max length for GET INPUT	3.4.0	3.5.0	T3
TP-010151	approved	31.111	046		Rel-4	A	Clarification of min and max length for GET INPUT	4.2.1	4.3.0	T3
TP-010151	approved	31.111	047		R99	F	Limitation of data field in the C-APDU and R-APDU data object	3.4.0	3.5.0	T3
TP-010151	approved	31.111	048		Rel-4	A	Limitation of data field in the C-APDU and R-APDU data object	4.2.1	4.3.0	T3
TP-010151	approved	31.111	049		R99	F	Correction of Annex I (Bearer independant protocol examples)	3.4.0	3.5.0	T3
TP-010151	approved	31.111	050		Rel-4	A	Correction of Annex I (Bearer independant protocol examples)	4.2.1	4.3.0	T3
TP-010108	approved	31.121	001		R99	F	Correction of EF(UST) used in the Test USIM	3.0.0	3.1.0	T3

TP-010108	approved	31.121	002		R99	F	Correction of EF(ECC) used in the Test USIM	3.0.0	3.1.0	T3
TP-010108	approved	31.121	003		R99	F	Correction to EF(HPLMN) regarding test USIMs	3.0.0	3.1.0	T3
TP-010108	approved	31.121	004		R99	F	Deletion of a duplicated test case	3.0.0	3.1.0	T3
TP-010108	approved	31.121	005		Rel-4	F	Modification of EF ECC used in the Test USIM	3.0.0	4.0.0	T3
TP-010118	approved	34.108	040		R99	F	Corrections to clause 6.10 FDD parameters	3.3.0	3.4.0	T1
TP-010118	approved	34.108	041		R99	F	Corrections to clause 6.10 TDD parameters	3.3.0	3.4.0	T1
TP-010118	approved	34.108	042		R99	D	Adding section for radio bearer configurations intended for functional testing	3.3.0	3.4.0	T1
TP-010118	approved	34.108	043		R99	D	Update of list of abbreviations	3.3.0	3.4.0	T1
TP-010118	approved	34.108	044		R99	F	Updates to clause 6.1 and 9	3.3.0	3.4.0	T1
TP-010118	approved	34.108	045		R99	F	Updates to clause 7.4	3.3.0	3.4.0	T1
TP-010118	approved	34.108	046		R99	F	clause 6.1: System Information Blocks for TDD Mode	3.3.0	3.4.0	T1
TP-010118	approved	34.108	047		R99	F	Editorial corrections and removal of a reference document	3.3.0	3.4.0	T1
TP-010119	approved	34.121	083		R99	F	CR: Addition of Test System uncertainties and Test Tolerances	3.4.0	3.5.0	T1
TP-010119	approved	34.121	084		R99	F	CR: Measurement accuracy of CPICH RSCP	3.4.0	3.5.0	T1
TP-010119	approved	34.121	085		R99	F	CR: Measurement accuracy of CPICH Ec/Io	3.4.0	3.5.0	T1
TP-010119	approved	34.121	086		R99	F	CR: Modifications to the structure of RRM test cases (FDD)	3.4.0	3.5.0	T1
TP-010119	approved	34.121	087		R99	F	Maintenance CR: Propagation condition 250 km/h	3.4.0	3.5.0	T1
TP-010119	approved	34.121	088		R99	F	Maintenance CR: Removal of square brackets	3.4.0	3.5.0	T1
TP-010119	approved	34.121	089		R99	F	Maintenance CR: Tx power for Rx characteristics measurement	3.4.0	3.5.0	T1
TP-010119	approved	34.121	090		R99	F	Maintenance CR: Correction of Definition of multi-code OCNS signal	3.4.0	3.5.0	T1
TP-010119	approved	34.121	091		R99	D	Maintenance CR: Conformance requirement to Minimum requirement	3.4.0	3.5.0	T1
TP-010119	approved	34.121	092		R99	F	Maintenance CR: Test conditions for TS 34.121	3.4.0	3.5.0	T1
TP-010119	approved	34.121	093		R99	D	Maintenance CR: Editorial correction 34.121	3.4.0	3.5.0	T1
TP-010119	approved	34.121	094		R99	C	Maintenance CR: closed loop power control close to the limits	3.4.0	3.5.0	T1
TP-010119	approved	34.121	095		R99	D	Maintenance CR: romoval of annex.I	3.4.0	3.5.0	T1
TP-010119	approved	34.121	096		R99	F	Maintenance CR: correction to annex.E	3.4.0	3.5.0	T1
TP-010119	approved	34.121	097		R99	F	Maintenance CR: corrections to TS34.121	3.4.0	3.5.0	T1
TP-010120	approved	34.122	033		R99	F	CR:New Power Classes require new test tolerances	3.3.0	3.4.0	T1
TP-010120	approved	34.122	034		R99	F	CR:Test tolerances for Output Power Dynamic	3.3.0	3.4.0	T1
TP-010120	approved	34.122	035		Rel-4	B	CR:Inclusion of 1.28 Mcps TDD [Rel-4]	3.3.0	4.0.0	T1
TP-010121	approved	34.123-1	053		R99	F	Idle mode tests	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	054		R99	F	Clause 7.2: Update of RLC tests to 25.322 v3.5.0	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	055		R99	F	Corrections to Clause 7.2: RLC test case updates	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	056		R99	F	Corrections to clause 7.3 PDCP	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	057		R99	F	Corrections to clause 7.4 BMC	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	058		R99	F	7.1 Update to MAC test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	059		R99	C	Modifications to the functional testing of CPCH related UE test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	060		R99	F	Transmission RLC discard	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	061		R99	F	Updates to RRC test case	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	062		R99	F	Deletion of intersystem handover tests GERAN to UTRAN	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	063		R99	F	Corrections to CC test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	064		R99	F	Corrections to Emergency call test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	065		R99	F	Corrections to test of autocalling restrictions	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	066		R99	F	Corrections to call re-establishment tests in CC	3.3.0	3.4.0	T1

TP-010121	approved	34.123-1	067		R99	F	MM test case update	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	068		R99	F	CR to 34.123-1	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	069		R99	F	SMS Update	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	070		R99	C	SMS test specification	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	071		R99	F	Update to GMM test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	072		R99	F	GMM service request test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	073		R99	F	GMM authentication reject test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	074		R99	F	Modifications to Clause 12 (GMM)	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	075		R99	F	Correction in test case 11.1, because of problems in core-specs	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	076		R99	F	Procedure and Expected Sequence Corrections to 11.1.2.	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	077		R99	D	Adding section for multi-layer functional testing	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	078		R99	F	Update of interoperability radio bearer test cases	3.3.0	3.4.0	T1
TP-010121	approved	34.123-1	079		R99	D	CR to TS 34.123-1 Update of Table B/1	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	010		R99	F	ICS for Idle mode tests	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	011		R99	F	Update to applicability tables for RLC tests	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	012		R99	F	Update to MAC test applicability tables	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	013		R99	F	Update of applicability table	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	014		R99	F	Deletion of applicability statement for intersystem handover tests GERAN to UTRAN	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	015		R99	D	Corrections to applicability for CC test cases	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	016		R99	D	Corrections to applicability for CC test cases	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	017		R99	F	MM test case ICS update	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	018		R99	F	Correction to MM applicability	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	019		R99	F	Correction and Addition of PICS and applicability tables for MM, SMS auto-calling,	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	020		R99	F	Update to SMS Applicability tables	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	021		R99	F	SMS applicability	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	022		R99	F	GMM ICS update	3.3.0	3.4.0	T1
TP-010122	approved	34.123-2	023		R99	F	Update of applicability of interoperability radio bearer test cases	3.3.0	3.4.0	T1
TP-010109	postponed	51.011	001		Rel-4	B	Addition of GPRS operator preferences	4.0.0	-	T3
TP-010109	approved	51.011	002		Rel-4	B	Introduction of USIM Features in to the SIM	4.0.0	4.1.0	T3

ANNEX E   List of all officials within TSG-T

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

Position	Name	Organisation	Partner	Email	Tel
TSG-T (Terminals)					
Chair	Sang-Keun PARK	Samsung	TTA	skpark@samsung.com	+82 3312809835
Vice chair	Ed EHRLICH	Nokia Corporation	T1	ed.ehrlich@nokia.com	+1 972 894 4495
Vice chair	Kevin HOLEY	BT	ETSI	kevin.holley@bt.com	+44 1473 605604
Secretary	Michael SANDERS	ETSI (3GPP support)	3GPP	sanders@etsi.fr	+33 4 9294 4290
TSG-T WG1 (UE testing)					
Chair	Bjarke NIELSEN	Qualcomm Europe	ETSI	bnielsen@qualcomm.com	+49 170 5488456
Vice chair	Peter GEORGE	Anritsu Ltd	ETSI	Peter.George@eu.anritsu.com	+44 777 5704722
Secretary	Lidia SALMERON	ETSI (3GPP support)	3GPP	salmeron@etsi.fr	+33 4 9294 4349
- RF Sub Working Group					
Chair	Kunitoshi YONEKURA	Fujitsu	ARIB	yonekura@ mrt.ts.fujitsu.co.jp	+81 44 754 3747
- Signalling Sub Working Group					
Chair	Dan FOX	Anritsu Ltd	ETSI	dan.fox@eu.anritsu.com	+44 1582 433357
TSG-T WG2 (UE capabilities)					
Chair	Ian Harris	Vodafone - Airtouch	ETSI	ian.harris@vodafone.com	+44 1635 673 270
Vice chair	Peter NEUMANN	Siemens	ETSI	peter.neumann@mch.siemens.de	+49 89 7223 6718
Vice chair	Gunilla Bratt	Ericsson	ETSI	gunilla.bratt@ecs.ericsson.se	+46 46 193 729
Secretary	Friedhelm RODERMUND	ETSI (3GPP support)	3GPP	rodermund@etsi.fr	+33 4 9294 4324
- Mobile Execution Environment (MExE) (Sub Working Group 1)					
Chair	Mark CATALDO	Motorola	ETSI	mcatald1@email.mot.com	+44 1793 566 297
- UE Capabilities and Interfaces (Sub Working Group 2)					
Chair (interim)	Peter NEUMANN	Siemens	ETSI	peter.neumann@mch.siemens.de NOTE: New candidates are sought	+49 89 7223 6718
- Messaging (Sub Working Group 3)					
Chair	Ian HARRIS	Vodafone - Airtouch	ETSI	ian.harris@vads.vodafone.co.uk	+44 1635 673 270
TSG-T WG3 (USIM)					
Chair	Klaus VEDDER	Giesecke & Devrient	ETSI	klaus.vedder@gdm.de	+49 89 4119 1542
Vice chair	Nigel BARNES	Motorola	ETSI	nigel.barnes@motorola.com	+44 1256 790 169
Vice chair	Paul JOLIVET	DoCoMo Europe	ETSI	jolivet@docomo.fr	+33 1 5688 3030
Secretary	Michael SANDERS	ETSI (3GPP support)	3GPP	sanders@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. To subscribe to this list or to view the archives, go to: http://list.3gpp.org/3gpp_tsg_t.html The working groups under TSG-T all have several email lists as doo all other 3GPP groups. The complete list of email lists (including all lists for ETSI committees) can be found at http://list.3gpp.org/. Those lists relevant for the 3GPP all have a list name starting with "3GPP".

F.3　Sever location

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

F.4　Other useful URLs

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

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