Technical Specification Group

TERMINALS

(TSG-T)

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Meeting Report of TSG-T meeting #14
Kyoto, 12 - 14 December 2001

Hosted by ARIB and TTC

Contents

Chairman: Dr Sang-Keun Park (Samsung)
Vice-chairmen: Kevin Holley (BT) and Ed Ehrlich (Nokia Corporation)
Secretary: Michael Sanders (3GPP support team)
Host: Association of Radio Industries and Businesses (ARIB) and Telecommunication Technology Committee (TTC)

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, welcomed the delegates to Kyoto.

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-010232 contains the draft agenda for TSG-T #14. 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 #13 meeting

TP-010230 contains the draft report of TSG-T #13 (Beijing, 19 - 21 September 2001). It was approved and made available with the word "draft" removed in TP-010231. It was noted that wording regarding the completion of the EMS feature had initially caused some confusion, but it was agreed that a clarification was note required.b

4   Letters and reports from other groups, LS incoming

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

TP-010233 contains the draft report of the TSG-SA #13 meeting held in Beijing.

- regarding GPRS preferences, it was noted that the T3 CRs which had been provisionally approved subject to the SA1 service requirements were not finally approved due to continuing discussion about the service requirements.
- QoS work - the impact on TSG-T specifications still not clear

The report was noted.

TP-010235 is an LS from SA1 copied to TSG-T regarding TR 22.941 "IP Based Multimedia Services Framework". SA1 requests the TSG-T WGs to examine the requirements and start specifying the necessary mechanisms. TP-010298 contains a summary presentation on TR 22.941. It explains that TR provides a high level end-to-end systems engineering perspective that considers how the diverse mechanisms (enablers) being standardised will collectively integrate to effectively meet service requirements and enable the deployment of envisioned services.

TP-010270 contains the report from 3GPP PCG Meeting #7, Tokyo, 8 October 2001. During a presentation of the report, the following points were highlighted:

- the sad loss of Mr Akio Sasaki, PCG Chairman, who had recently passed away following a short illness;
- Dr Asok Chatterjee will act as PCG Chairman until the end of 2001 and then to assume the place as PCG Chairman for year 200;.
- several new bodies were approved for liason: SynchML Initiative, 802.11 Forum and HomeRF Forum;
- a request was made to support the work on the IETF RFCs relevent for 3GPP;

- the PCG agreed that options in the form of a regulatory requirement particular to one or more regions, shall be included in 3GPP specifications. TSGs should not debate the inclusion or rejection of such options.

The report was noted.

TP-010271 contains the report from 3GPP OP meeting #6, Tokyo, 9 October 2001. During a presentation of the report, the following points were highlighted:

- the project support budget for year 2002 agreed (5 MEuros, which will be split between the 6 OPs);
- the request for 754 kEUR to be allocated within the 2002 budget for the continuation of TTCN development approved in principle, but voluntary resources should also be sought;
- the development cost for the A5/3 Algorithm will be provided by Committee T1, ETSI, and the GSMA at a ratio to be determined. Committee T1 and ETSI will own the results. GSMA will be granted distribution rights;
- concerns were raised about a percieved confusion in the market place with different names for 3GPP systems (eg FOMA, W-CDMA, UMTS, etc). They concluded that the 3GPP name and logo should be made available free of charge for use by operators and vendors that build their products according to 3GPP specifications, and the use of the name and logo on associated products and literature should be encouraged.

TP-010234 contains an collective letter to all ETSI members requesting voluntary contributions to the TTCN testing work. The document was noted.

TP-010284 contains the output summary of the Future Evolution workshop held in Finland on the 18 - 19 October 2001. It outlines the basic assumptions, high level requirements, focus areas and service examples that were identified during the workshop. As a summary, the workshop concluded on the following goals for 3GPP work:

- be realistic – existing standards should be corrected and completed before any major new changes are made;
- to fully utilise the existing standard, the end-to-end and end-user aspects needs to be in focus by improving the support for 3rd party applications, making it easier for the user to use the services and improving customer care mechanisms;
- reduce deployment cost and options;
- spectrum efficiency needs to be kept in mind.

It was clarified that the main impact on TSG-T could be to attempt to separate applications from the technology platform (e.g. API creation), to focus on simplicity for the end user and to improve customer care mechanisms. The document was noted.

TP-010294 contains an LS from SA2 to several WGs cc TSG-T about IMS Identifies, ISIM and USIM. SA2 have identified that there are currently different understandings of the relationships between ISIM, USIM, UICC and the scenarios that are to be supported. SA2 propose that a joint workshop is arranged with invitation to all groups concerned (primarily SA1, SA2, SA3, CN1, T2 and T3) in the December - January time frame. The meeting would address ths following issues:

- service requirements on ISIM-USIM and scenarios to be supported (SA1);
- security issues (SA3);
- UICC possibilities and limitations (T3);
- relations to UE functional split (T2);
- architectural and signalling impacts (SA2, CN1).

Several delegates felt that the service requirements for having an ISIM first need to be made clear and also given the timescales, it may be difficult to specify the ISIM in time for Rel-5. Discussion during the TSG-SA meeting are expected to make the need for a joint session clearer. If a joint meeting is needed, this could perhaps be done during the week beginning 28th January. The LS was noted.

4.2 Others

TP-010290 contains a report on the general structure and recent activities within the IETF. The IETF is structured in several "areas" as follows:

- Transport services (tsv) (includes SIP – protocol and extension specs and SIPPING – requirements and usage);
- Operations and Management (ops);
- Applications (app) (includes SIMPLE – Instant messaging and presence);
- Internet (int) (includes IPNG – IPv6);
- Routing (rtg);
- Security (sec);
- User services (usv).

Working groups have a narrow focus, with published goals and milestones. Their mailing list are open to anyone. The main critical dependancies of the 3GPP on IETF work were identified as:

- sip-2543bis
- sip-100rel (Reliability of Provisional Responses in SIP)
- sip-manyfolks (Integration of Resource Management and SIP)
- sip-privacy
- sip-events (Specific Event Notification)

The presentation 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-010254 contains the status report from T1 covering the period since the last TSG-T meeting in June. TP-010255 contains the draft minutes from the last T1 meeting. During the presentation of the reports, the following points were noted:

Radio Test Specifications:
- *TS 34.121, Terminal Conformance Specification, Radio Transmission and Reception (FDD)*
    - work has progressed on the transmitter and performance test cases. These are now considered to be 100% and 95-100% complete respectively;
    - work has progressed on tests for RRM. SWGs RF and Sig are co-operating to get test common procedures and parameters in place, but further work is required;
    - several change requests (all corrections) are proposed in TP-010259 - see section 5.1.3 of this report;

- *TS 34.122, Terminal Conformance Specification, Radio Transmission and Reception (TDD)*
    - work has progressed on the test cases for the receiver and the annex;
    - work has not yet been started on RRM test cases but tests being developed for FDD will be able to be largely re-used;
    - it was noted that the difference between R99 and Rel-4 is low chip rate TDD tests but there had not been any contributions on this feature at the last meeting.
    - several change requests are proposed in TP-010260 - see section 5.1.3 of this report;

General Specifications:
- *TS 34.108, Common test Conditions for User Equipment (UE) Conformance Testing*
    - new RABs have been requested. T1 is aware that a formal procedure for the evaluation and introduction of RABs for general test purposes is required.
    - several CRs are proposed in TP-010258 - see section 5.1.3 of this report. The CRs introduce RF conditions for signalling test cases, signalling for RF test cases, an update of TDD content and several corrections.

Signalling Test Specifications:
- *TS 34.123-1, User Equipment (UE) Conformance Specification, Part 1 – Conformance specification*
    - following the decision at TSG-T #13, test cases for R99 and Rel-4 are now merged into one document (Rel-4). The applicability table in 34.123-2 indicates for which releases the individual test cases are valid and it is the same method used by TSG-GERAN;
    - several change requests are proposed in TP-010261 - see section 5.1.3 of this report. The CRs introduce new test cases which increase test coverage, an update to the TDD content and the correction of several errors.

- *TS 34.123-2, User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement*
    - several change requests are proposed in TP-010262 - see section 5.1.3 of this report. The CRs Indicate release to which a test case applies (R99 or Rel-4), introduce new test cases improving test coverage, improve TDD coverage and introduce LCR TDD.

- *TS 34.123-3, User Equipment(UE) Conformance Specification, Part 3 – Abstract test suites*
    - 575 TTCN test cases can be downloaded from the T1 area on the server of which 394 test cases are ready for external verification;
    - test cases for Inter RAT (UTRAN->GERAN) have been drafted;
    - following a decision at TSG-T #13, a verification database is now in place to track the feedback from industry groups on TTCN test cases;
    - a request for voluntary contribution has been made, in line with the request of the PCG (see ETSI collective letter in TP-010234). The deadline for responding is 9th December, but no commitments have been received so far;
    - TTCN Configuration Management (CM) is under discussion. The use of a software tool can greatly reduce the amount of manual work necessary to incorporate changes. Several different tools are currently in use by T1 delegates companies, but ETSI MCC does not have access to one. MCC task 160 is examining the matter;
    - it was noted that the majority of delegates currently use the "Clear Case" tool, but that this tool is relatively expensive. Investigations into this issue are still on-going within T1.
    - TP-010257 contains a more detailed report from the MCC task 160 leader.

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.
    - regarding the regional regulatory test requirements, no further input documents have been received by T1.
    - PCG confirmed that all 3GPP specifications should represent a superset of all the regional regulatory requirements (ref: T1-010399)
    - regarding industry Test Case verification priorities, it is likely that the document will be modified in order to accept TTCN test case verification priority information. These priorities will be recorded and made available in this reference document for use by external groups carrying out verification trials.

Other issues:
- Testing of application platforms:
    - during T1#13, an ad hoc meeting was held between members from T1 and T2 to explore ways of providing conformance tests for applications platforms. Some progress was made in the area of MExE environment testing, however there is still much to be done to achieve a mutual understanding
    - TP-010263 contains a draft work item on MExE environment testing see section 5.1.4 of this report.
- T1's ToR were updated to reflect new terminology (see TP-010265 in section 5.1.3 of this report);
- three new rel-5 work items have been drafted but are awaiting supporting companies;
- T1 received a report from GSM association members who are forming a group called 'Tcert'. Their aim will be to co-ordinate inputs on TTCN test case priorities;
- an ad hoc meeting is planned be held in Sophia Antipolis on the 24th January 2002, to address the process of handling test case priorities within T1. It was suggested that the meeting could be delayed by one week to allow more preparation time, but it was concluded that a change at this stage was not practical.

TP-010257 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:

- the terms of reference for MCC task 160 had been updated (see TP-010256 in section 5.1.3 of this report);
- a verification database is now in place to track the status of TTCN test cases. It is managed by Susanna Kooistra from MCC. The database has two parts: test cases and test steps and a link between the two parts is foreseen.

TSG-T approved the status report in TP-010257. It was noted that this approval is a necessary condition before the task force can be paid for the work they have undertaken.

TP-010264 is an LS from T1 to T2 cc TSG-T regarding SMS testing. It was noted.

TP-010289 is an LS from RAN regarding a proposed correction to RABs in TS 34.108. TSG-RAN #14 received an LS from T1 seeking advice on proposed RABs (PS Domain) to be included in Rel-5 of TS 34.108 to support conversational class traffic. TSG RAN noted that the introduction in section 6.10 of TS 34.108 could be misunderstood to read that the UE only had to implement the configurations listed in TS 34.108. However, in general a UE needs to support the mandatory part of the core specification irrespectively of whether it is subject for testing or not. The specifications have been written in such a way that the network can rely on the fact that that UEs actually support the mandatory features and functionalities since no other means are provided for the network to see if a UE supports a given feature or functionality.

TP-010293 is an LS from TSG-RAN to TSG-T and T1 which states that TSG RAN #14 has discussed the issue of providing additional RAB configurations and RB configurations in TS 34.108, in particular for new functionalities. They concluded that a more systematic approach in providing new RAB configurations when additional functionalities are included in core specifications is needed. TSG RAN has agreed to define the combinations of L1 and L2/3 parameters for RABs among their WG's within the relevant Work Items and will provide the results of this work to TSG-T to incorporate them in TS 34.108. In order to do this, TSG-RAN request feedback about schedule requirements regarding TSG RAN inputs to T1. TSG-T concluded that in order for a realistic answer to be generated, the LS would also need to be discussed within T1. The T1 vice-chairman undertook to take care of this during their next meeting and generate a response directly to RAN2.

5.1.2   Questions for advice and decisions on T1 issues

No documents were registered under this agenda item.

5.1.3   Approval of contributions from T1

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

TP-010256 contains a proposal to update the Terms of Reference for MCC Task 160. The is achieved by extending the end date to 2003 in line with the approval of the funding at the past PCG meeting and it also adds a rough break-down of the areas in which test cases need to be produced over the next 2 years. TSG-T agreed that the document should be send to the PCG for their approval.

TP-010258 contains CRs to TS 34.108. All CRs were approved with the exception of 064, 065, 066 and 067, which were corrected (to correctly shown the revision marks) in TP-010285. The CRs in TP-010285 were all approved.

TP-010259 contains CRs to 34.121. They was all approved

TP-010260 contains CRs to 34.122. They was all approved

TP-010261 contains CRs to 34.123-1. They were approved.

TP-010262 contains CRs to 34.123-2. They were all approved.

TP-010265 contains a proposed update to the T1 Terms of Reference. The update takes into account changes to terminology since they were originally written. During the presentation of the changes, it was commented that the scope currently did not preclude USIM tests. It was agreed that since T3 has the responsibility for such tests, the T1 terms of reference should be changed and so a revised version was made available and approved in TP-010284.

5.1.4   Documents for information

TP-010263 contains a draft WI on MExE testing. Some concerns were raised that the work on core specification should be stablised first. i.e. T2 SWG1 thinking about specifying "MExE lite" and this work should be further progressed before testing work is started. The concerns were noted and T1 were requested to take this into account when a final WI is presented. The draft WI 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-010266 contains the T2 status report (slides) and TP-010267 contains the draft report of T2 #14. During a presentation of the report, the following points were highlighted:

- regarding SWG1 (MExE)
    - Rel-5 is on schedule but there has been little progress on MExE Lite;
    - a new WID was presented concerning a run-time independent classmark. Further discussion in T2 is needed;
    - Classmark 4 Common Language Infrastructure (CLI). General agreement has been reached but a CR has not yet been finalised;
    - discussion about a "Security toolbox" is still ongoing;
    - a revised version of the MExE security analysis work item is presented in TP-010281;
    - there was a joint meeting between SWG1 and T1 regarding "Application Enabler Testing" (see draft work item description in TP-010263.

- regarding SWG2 (UE Interfaces and Capabilities)
    - Generic User Profile: T2 has second responsibility for this work item and will work on stage 2 and 3. T2 to set up a are on the FTP server under the T2 file area to place the tdocs on ad hoc on this issue;
    - the work item vObjects & other constructs in data synchronisation might be merged with the work item Generic User Profile;
    - new AT command to control Ring Melody +CRMC and several more changes to 27.007 were generated;
    - CR's on obsolete AT commands and parameters were rejected at TSG-T #13. Revised CR's have been created to mark the commands as obselete rather than just deleting them;
    - there was a joint meeting between SWG2 and SA1 on the "UE functionality split";
    - there was a joint meeting between SWG1, SWG2 and SA5 on "User equipment management".

- regarding SWG3 (Messaging)
    - work has temporarily been seperated into MMS and EMS;
    - regarding MMS:
        - 14 CR's 23.140 (6 Rel-4 and 8 Rel-5) , 4 LS's agreed
        - Address Resolution: Will use ENUM in the long term. In the interim, proposals for direct and indirect MNP are being reviewed
        - MM7 (interface with Value Added Service applications): Basis of a stage 2 has been produced. Decision on underlying protocol now crucial for Stage 3
        - Digital Rights Management: Whilst this is of interest to T2, SA1 does not seem to be planning requirements for REL- 5. T2 happy to contribute to SA1 when requested.
        - MMS - MM1 interface (MMS user agent – MMS server/ relay)
        Discussions on an alternative implementation for MM1 had reached a point of impasse within T2. 69% of T2 delegates (show of hands) expressed the wish to resolve this deadlock by holding a vote at T2 #15. A formal vote was taken on the following motion :-
            "*Shall T2 deliver an alternative MM1 implementation in addition to the specification that will be delivered by the WAP forum for REL-5 ?*"
        Result: 42.9 % of eligible voting companies were in favour of the motion. As this was less that 71%, the proposal was not agreed. There will now be a single implementation for MM1 in REL-5.
    - regarding EMS:
        features intended for inclusion into REL-5 agreed in principle including the following:-
        - there are 3 proposals for vector gaphics: (Bijitec, ZoomOn and Motorola). Test results are awaited from ZoomOn and Motorola.
        - Polyphony: There are 4 proposals. (Alcatel, Digiplug, Ericsson and Motorola). A set of core requirements were agreed.
    - a CR on support for User Data Headers in CBS was discussed but not agreed. This would allow EMS of CBS but no service requirements exist yet for such a service.
    - a joint meeting between T2 SWG3 and SA5 discussed the charging issues for MMS

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

- regarding the vote on MM1, it was commented that the result of the vote may have been different if the question had been asked in the other sense. It was replied that the 3GPP working procedures state that questions should be stated in the positive sense, hence the resulting question;
- there are still timing and delivery problems related to the referenced WAP specifications;
- it was commented that the unique MM1 implementation that will result for Rel-5 will be based on Wap 1.x protocol and is not IP based. This might raise an issue from the overall service point of view since the SA4 requirements for streaming require a IP based client.
- it was commented that there were an increasing number of ad hoc meetings, some of which did not have agendas or clearly identified goals (see also TP-010297).
- it was noted that 3GPP OPs, under the agreement of the 3GPP, are encouraged not to develop solutions outside of the 3GPP, but this would not prevent an operator from developing their own application. However, in the interests of interoperability, this should be discouraged.
- it was questioned how the UE functionality split meeting in Arizona would be run. SA1 chairman stated that someone on the SA1 side should probably chair the meeting - the SA1 chairman could do this in the absence of other candidates.

TP-010238 contains an LS from T2 to TSG-T, TSG-SA and TSG-CN about UE Functionality Split Relating to the IMS. During its meeting in Cancun in November 2001, T2 had a joint session with SA1 to discuss progress on UE Functionality Split. That meeting discussed the SA1 requirement that "*call control signalling (e.g. IMS SIP signalling) must not be run transparently through the MT by the TE in this Release [Rel-5]*". The joint seesion identified that there were different opinions by different companies as to whether this limitation for Release 5 is acceptable. The LS requests that TSG-T and TSG-SN debate the issue and present an outcome to TSG-SA. who would then be in a position to provide guidance to SA1.

TP-010286 is a discussion document on the same issue. The document highlights the fact that the new SA1 requirement appears to be the opposite of the previously stated requirement that "*The IP-multimedia subsystem client may be implemented in the TE. In this case all requirements identified generally for the IMS shall be met. Other types of 3G client software also needs to be supported.*" The document also proposes that an ad hoc meeting involving SA3, CN1 and SA2 may be needed and that TSG-T should state their opinion on the matter, particularly regarding:

- how MTs which have modifiable software (eg in Flash memory or RAM) may be handled?
- whether testing/approval processes should also cover certain TE software clients?

It was concluded that the first point above was not within the scope of TSG-T and that the second could only be discussed once the requirements had been stabilised. The document was noted and the issue is expected to be discussed further within TSG-SA.

TP-010239 contains an LS from T2 to CN1 and SA4 in response to LS from CN1 on UMTS_AMR2 Dual-Mode Operation. T2 state that TR 21.904 is not the appropriate document in which to have the sole specification for UE codec types usage, but that instead, the core specifications TSs 26.103, 26.071, 26.093 and 24.008 (Rls99) need to be updated with the new requirements created by UMTS_AMR2 for R99 Dual-Mode UMTS/GSM Operation. The LS was noted.

TP-010296 contains a proposed LS from TSG-T to the WAP Forum. The LS proposes that in order to facilitate closer links between the WAP Forum MMS group, they are invited to make a presention on their work at the next TSG-T meeting. The LS was approved.

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-010268 contains several CRs on MExE. They were all approved.

TP-010269 contains several CRs on Terminal Interfaces and Capabilities. They were all approved.

TP-010280 contains several CRs on Messaging. They were all approved.

TP-010281 contains a revised Work Item Description (WID) for MExE Security Analysis Activity. It was noted that some of the milestones listed need to be checked. It was also noted that some of the work may be ready in time for inclusion into Rel-5, but other parts were likely to be available for Rel-6. The WID was approved. T2 was requested to present the project plan (listed as having been completed in the milestones) at the next meeting.

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-010240 contains the status report for T3. The result/discussion about the CRs mentioned below can be found in section 5.3.3 of this report. During the presentation of the report, the following points were highlighted:

-       since the last TSG-T meeting, the following meetings have been held:
    -       one plenary meeting (T3 #21)
    -       two Sub Working Group (SWG) API meetings
    -       several ad hoc meeting on "Java API testing" and "USAT interpreter";

-       USIM support by Rel-5 GSM only terminals
    -       TSG-T #11 decided that: "*TS 11.11 specification could be maintained for release-4 on the understanding that for release-5, GSM only terminals would be mandated to support USIM functionality.*"
    -       it was noted that SA1 specifications do not yet reflect this requirement, so an LS to SA1 was drafted and approved in TP-010299 to request them to examine the matter. During a discussion about the liason, some delegates felt that the term "USIM functionality" needs further clarification. i.e. did this imply support of all features within TS 31.102 or just those features which would enable the GSM files within the USIM to be accessed?

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

TP-010236 is an LS from T3 to GERAN 5 cc TSG-T regarding responsibility for SIM Toolkit test specification. Currently the specification falls under the responsibility of GERAN5. This is due to historical reasons, the specification having formerly been under the responsibility of SMG7, it was transfered to GERAN5 along with all the other SMG7 specifications. However, since it now seems that most experts who are interested in this specification attend T3 meetings rather than GERAN5 meetings, T3 have proposed that prime responsibility for it is change to T3. T3-010237 is an LS in reply by GERAN5. They state that they believe this would be a good idea in principle, but would like to review the updated version of the specificaiton before giving final approval to the transfer. Both liaisons were noted.

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-010241 contains CRs on Java API (TS 03.19 / 11.13 / 43.019). They were all approved.

TP-010242 contains CRs on secure messaging (TS 03.48/23.048). They were all approved.

TP-010243 contains CRs on (U)SIM toolkit (TS 11.14 / 31.111). They were all approved.

TP-010244 contains CRs on SIM/USIM characteristics (TS 51.011 / 31.102). They were all approved.

TP-010245 contains CRs on USAT interpreter (TS 31.112 / TS 31.113). They were all approved.

TP-010246 contains CR on AIDs (TS 31.110). They were all approved.

TP-010247 contains CRs on USIM test specification (TS 31.122). They were all approved.

TP-010251 contains a draft Work item description on ISIM. This was generated by T3 as a result of the high priority given to the IMS work item by TSG-SA #13. It was questioned whether this work item was really needed at this stage since the requirements for a seperate ISIM application were still under discussion within TSG-SA. It was concluded that TSG-T should provisionally approve the work item subject to such functionality not proving to be unacceptable at TSG-SA #14.

Secretary´s note: TSG-SA #14 conluded that work on the ISIM should go ahead. They also concluded that the term "ISIM" should refer to the support of IMS on the smart card – it should not imply whether or not that is done using an independant application on the UICC. See TSG

TP-010252 contains a draft Work Item description UE management. The scope of this work item is to work with T2 and SA5 in defining the USIM/UICC aspects of UE management. During a discussion of the work item, it was pointed out that the SA5 work item on UE management was only a feasibility study, not a Technical Specifcation. As such, TSG-T concluded that it would be premature to approve such a work item, so T3 were requested to monitor the SA5 results and propose a new work item when appropriate.

5.3.4 Documents for information

TP-010248 contains TS 31.114 v1.0.0 "USAT Interpreter Protocol and Administration" for information. It was noted.

TP-010249 contains TS 31.131 v1.0.0 "C language binding for SIM API" for information. The specification was noted.

TP-010250 contains a draft update to SIM Toolkit Test specification. It was noted.

5.3.5 Work programme review of T3

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

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

6.1 IMS issues

See document T3-010251 in section 5.3.3 of this report for issues relating to T3 work item on the ISIM.

6.2 Other issues

TP-010273 is a CR to TS 21.101 to update the list which identifies the complete set of 3G specifications for 3G Release 99. It was noted that the CR would be presented for approval to TSG-SA #14.

TP-010274 is a CR to TS 21.102 to update the list which identifies the complete set of 3G specifications for 3G Release 4. It was noted that the CR would be presented for approval to TSG-SA #14.

TP-010275 is a CR to TS 01.01 to update the list which identifies the complete set of GSM specifications for GSM Release 99. It was noted that the CR would be presented for approval to TSG-SA #14.

TP-010276 is a CR to TS 41.102 to update the list which identifies the complete set of GSM specifications for GSM Release 4. It was noted that the CR would be presented for approval to TSG-SA #14.

TP-010277 contains series of table to indicate the status for every release of every 3GPP specification immediately prior to TSGs#14. The list was noted.

TP-010278 contains the 3GPP Work plan (PDF and MS project version) and document TP-010279 contains a summary presentation of the current status of the work items. It was noted that T3 (not T2) should be listed in relation to the "display of SP name on UE" feature on page 51. The documents were noted.

7   Liaison Statements (LS) outgoing

Two out going liaison statements were generated during the meeting - see TP-010299 in section 5.3.1 and, TP-010296 in section 5.2.1 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

TP-010295 is a presentation on the smooth Introduction of Release 99. Several 3GPP working groups have had discussions relating to the smooth commercial launch of release 99. The presentation identifies the main issues involved in ensuring timely availability of terminals. The goal is to reduce the risk of major malfunction and risk of needing to recall large quantities of terminals with the associated bad publicity for the system and the involved parties. In this respect, three main issues are identified:

-       complexity of the complete set of mandatory Release 99 features;
-       conformance testing;
-       handling of errors detected after commercial launch.

In order to trace the process, RAN expects to produce two TRs as follows:

-       documentation of the issues which lead to specifications being modified after commercial launch of compliant terminals;
-       recommended work arounds and description of terminal implementation errors.

TSG-T welcomed the initative and undertook to support RAN in their efforts.

TP-010297 contains some guidelines on holding joint ad hoc meetings. These were drafted in the light of an increaseing number of ad hoc / joint meetings between the SWGs of TSG-T and other bodies. It was felt that there was a danger that they may be ineffective, if they are not properly prepared and the results are not recorded and distributed to all who need them. It was agreed that working procedures or guidelines seem to be needed in this area, but given that the PCG has recently created a group to start looking at the issue, it would be premature to endorse such guidelines in TSG-T. It was agreed that the document should be brought to the attention of the TSG leader groups meeting on the 16th for advice on a way forward.

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 #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	Jeju Island, Korea
TSG-T #16 TSG-SA #16	5 - 7 June 2002 10 - 13 June 2002	Motorola	Marco Island, Florida, USA
TSG-T #17 TSG-SA #17	4 - 6 September 2002 9 - 12 September 2002	Alcatel	Biarritz, France
TSG-T #18 TSG-SA #18	4 - 6 December 2002 9 - 12 December 2002	North American 'Friends of 3GPP'	New Orleans, USA
TSG-T #19 TSG-SA #19	12 - 14 March 2003 17 - 21 March 2003	UK operators	Jersey Island, UK
TSG-T #20 TSG-SA #20	11 - 13 June 2003 16 - 19 June 2003	Nokia	Finland
TSG-T #21 TSG-SA #21	17 - 19 September 2003 22 - 25 September 2003	Host Required	
TSG-T #22 TSG-SA #22	10 - 12 December 2003 15 - 18 December 2003	Host Required	

11   Close of the meeting

The meeting was closed by the chairman at 16:00 and he thanks the host for their excellent facilities and organisation. He also noted that this would be the last meeting of the secretary, Michael Sanders since he would shortly be leaving ETSI to move back to Australia, and thanked him for his work over the last 2 years.

ANNEX A   Approved Agenda

Agenda Item	Input documents (TP-010nnn)
1 Opening of the meeting (09:00 Wednesday 12 December)	
2 Approval of Agenda	232
3 Approval of the meeting report from TSG-T#13	230
4 Letters and reports from other groups, LS incoming *4.1 OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN* *4.2 Others*	 233, 235, 270, 271 234

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
	
	254, 255, 257, 264
	
	256, 258, 259, 260, 261, 262, 265
	263
	
	238, 239, 266, 267, 282, 283
	268, 269, 280, 281
	A vote may be required to resolve issues under agenda item 5.2.2
	
	236, 237, 240
	
	241, 242, 243, 244, 245, 246, 247, 251, 252
	248, 249, 250

6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA *6.1 Release 5* *6.2 Other issues*	 273, 274, 275, 276, 277, 278, 279
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 14 December)	

ANNEX B   List of attendees

Lastname	Firstname	PHONE	Email	Organization Represented
Afchar	Ramin	+49 211 820-2041	ramin.afchar@vodafone.de	CETECOM GmbH - Certification and Testing in Communications
Allen	Andrew	+1 972 473 5507	aallen@dynamicsoft.com	dynamicsoft Inc.
Andersen	Niels Peter Skov	+45 43 48 81 10	npa001@email.mot.com	MOTOROLA A/S
Barnes	Nigel	+44 1 256 790 169	Nigel.Barnes@motorola.com	MOTOROLA Ltd
Bindrim	Walter	+49 231 5599-584	walter.bindrim@materna.de	Materna GmbH
Blarre	Samuel	+33 1 45 29 42 72	samuel.blarre@francetelecom.com	France Telecom
Bondon	Franck	+33 1 55 68 58 68	franck.bondon@mete.mee.com	MITSUBISHI Electric Telecom Europe S.A.
Bratt	Gunilla	+46 46 193 729	gunilla.bratt@emp.ericsson.se	Telefon AB LM Ericsson
Campbell	Sean	+1 404 236 5322	sean.campbell@cingular.com	Cingular Wireless LLC
Cassen	Quentin	+1 949 483 4177	quent.cassen@conexant.com	Conexant Systems, Inc.
Doig	Ian	+33 4 92 94 48 64	ian.doig@motorola.com	MOTOROLA S.A.
Ehrlich	Ed	+1 972 894 4495	ed.ehrlich@nokia.com	Nokia Telecommunications Inc.
Ellsberger	Jan	+46 8 508 77965	jan.ellsberger@era.ericsson.se	Telefon AB LM Ericsson
Felicetti	Giulia	+39 06 3900 9148	gfelicetti@mail.tim.it	TELECOM ITALIA S.p.A.
Fenn	John B	+44 1784 428 600	johnbfenn@aol.com	SAMSUNG Electronics Research Institute
Furuse	Masahiro	+81 468 40 39 24	furusem@nttdocomo.co.jp	NTT DoCoMo Inc.
George	Peter	+44 1582 814490	Peter.George@eu.anritsu.com	ANRITSU LTD
Grant	Marc	+1 512 372 5834	marc.grant@trimail.cingular.com	Cingular Wireless LLC
Harris	Ian	+44 1225 481 188	ian.harris@teleca.com	VODAFONE Group Plc
Hayes	Stephen	+1 972 583 5773	stephen.hayes@ericsson.com	Ericsson Incorporated
Holley	Kevin	+44 1473 605604	kevin.holley@o2.com	mmO2 plc
Howell	Andrew	+44 1256 790 170	andrew.howell@motorola.com	MOTOROLA GmbH
Hughes	Karen	+33 4 92 94 43 53	karen.hughes@etsi.fr	ETSI
Hur	Jang	+32-31-280-9601	janghur@samsung.com	Samsung Electronics Ind. Co., Ltd.
Ida	Tohru	+81-44-754-3183	tohru.ida@jp.fujitsu.com	Fujitsu Limited
Ishikawa	Keiji	+81566259926	k_ishi@hcom.denso.co.jp	DENSO CORPORATION
Ishizue	Michael	+81-3-5156-1777	ishizue@s1.nttdocomo.co.jp	NTT DoCoMo Inc.
Iwasa	Masaaki	+81 3 3280 8435	masaaki.iwasa@motorola.com	MOTOROLA JAPAN LTD
Jolivet	Paul	+33 1 56 88 30 30	jolivet@docomo.fr	NTT DoCoMo Inc
Kittel	Kay	+49 89 72258573	Kay.Kittel@siemens.com	SIEMENS AG
Komatsu	Shigeki	+81 45 939 2315	komatsus@mcd.yh.nec.co.jp	NEC Corporation
Kooistra	Susanna	+33 4 92 94 49 35	susanna.kooistra@etsi.fr	ETSI
Lee	Kwangchun	+82 42 860 6843	kclee@etri.re.kr	Electronics & Telecommunications Research Institute
Leuca	Ileana	+1-425-580-7900	ileana.leuca@attws.com	T1 Standards Committee Telecommunications
Madadi	Hashem	+44.1628.765.000	hmadadi@attglobal.net	Hutchison 3G UK Limited
Maeda	Yutaka	+81 3 5510 8594	maeda@arib.or.jp	ARIB
Mahfoda	Arie	+49 6196 99 1620	arie.mahfoda@UNISYS.COM	Unisys Deutschland GmbH
MASUJIMA	HIKARU	+81 44 754 3851	masujima.hikaru@jp.fujitsu.com	ARIB
Murase	Atsushi	+81 468 40 3101	murase@cet.yrp.nttdocomo.co.jp	NTT DoCoMo Inc.
Nakagomi	Hisashi	+81 468 40 3100	hisashi@cet.yrp.nttdocomo.co.jp	NTT DoCoMo Inc.
Nakayama	Keiichi		k-naka@arib.or.jp	ARIB
Neumann	Peter	+49 89 72 23 67 18	peter.neumann@mch.siemens.de	SIEMENS AG
Nogami	Kazuo	+81-42-585-3351	kazuo1.nogami@toshiba.co.jp	Toshiba Corporation, Digital Media Network Company
Oikarinen	Timo	+358 40 5884011	timo.oikarinen@sonera.com	SONERA Corporation
Park	Sang-Keun	+82-31-280-9835	skpark@samsung.com	Samsung Electronics Ind. Co., Ltd.
Persson	Sofi	+46 40 105125	sofi.a.persson@telia.se	TELIA AB
Rodermund	Friedhelm	+33 4 92 94 43 24	friedhelm.rodermund@etsi.fr	ETSI
Ryu	Joon	+82 31 279 5125	joonryu@samsung.com	Samsung Electronics Ind. Co., Ltd.
Saito	Hiroshi	+81468405440	Hiroshi.Saito@yrp.mci.mei.co.jp	Matsushita Communication Industrial Co, Ltd
Salmeron	Lidia	+33 4 92 94 43 49	lidia.salmeron@etsi.fr	ETSI
Sampson	Nick	+44 7973 963519	nick.sampson@orange.co.uk	ORANGE PCS LTD
Sanders	Michael	+33 4 92 94 42 90	michael.sanders@etsi.fr	ETSI
simmons	paul	+331 39445595	simmonsp@nortelnetworks.com	NORTEL NETWORKS (EUROPE)
Soberg	Tom	+81 3 3830 2826	tom.soberg@nrj.ericsson.se	Nippon Ericsson K.K.
Sood	Prem	+1 360 834 8708	pls@sharplabs.com	SHARP Corporation
Stebbens	Alan	+1.805.886.8886	alan.stebbens@openwave.com	Openwave Systems (N.I.) Ltd
Sundresh	Bokinakere	+44 1784 477465	bsundresh@rim.net	Research In Motion Limited
Susko	Denis	+49 2054 9519947	denis.susko@cetecom.de	CETECOM GmbH - Certification and Testing in Communications
Tsukada	Seishi	+81 3 5156 1747	tsukadas@nttdocomo.co.jp	NTT DoCoMo Inc
Tsukamoto	Akira	+81-566-61-3653	a_tuka@hcom.denso.co.jp	DENSO CORPORATION
Usai	Paolino	+33 4 92 94 42 36	paolo.usai@etsi.fr	ETSI
Vedder	Klaus	+49 89 4119 1542	klaus.vedder@gdm.de	GIESECKE & DEVRIENT GmbH
Voskar	Paul	+44 1252 867430	paul.voskar@nokia.com	NOKIA UK Ltd
Weeraseker	Indaka	+44 207 0040117	indaka@lucent.com	Lucent Technologies Network Systems

a				UK
Wohlert	Randolph	+1 512 372 5838	rwohlert@tri.sbc.com	SBC Communications Inc.
Yamada	Jun	+81 3 5201 5070	yamada-jun@sic.hitachi.co.jp	Hitachi Ltd.
Yokoyama	Mitsuru	+81 78 993 2763	mitsuru_yokoyama@agilent.com	Agilent Technologies Japan, Ltd
Yonekura	Kunitoshi	+81 44 754 3865	yonekura@jp.fujitsu.com	Fujitsu Limited

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.fr)

Tdoc	Title	Source	Agen da	Notes / Status
TP-010230	Report (draft) from TSG-T #13 (Beijing 19 - 21 September, 2001)	TSG-T Secretary	3	revised - see TP-010231
TP-010231	<<<<reserved for Report from TSG-T #13 (Beijing 19 - 21 September, 2001)>>>	TSG-T	3	approved
TP-010232	Agenda (draft) for TSG-T #14 (Kyoto 12 - 14 December, 2001)	TSG-T Secretary	2	approved
TP-010233	Report (draft) of TSG-SA #13 v0.0.6 (Beijing 24 - 27 September, 2001)	TSG-SA secretary	4.1	noted
TP-010234	ETSI Collective Letter "Call for the TTCN voluntary contributions in 2002 for the MCC Task 160 in development and maintenance of ATSs/PIXIT/ for 3GPP UE R99 and Rel 4"	ETSI secretariat (CL 2115)	4.2	noted
TP-010235	LS from SA1 "Focus of TR 22.941 (IP Based Multimedia Services Framework)"	SA1 (S1-010322)	4.1	
TP-010236	LS from T3 to GERAN5 cc TSG-T "Responsibility for SIM Toolkit test specification"	T3 (T3-010794)	5.3.1	noted
TP-010237	LS from GERAN to TSG-T cc TSG-T "re: Responsibility for SIM Toolkit test specification"	GERAN (GP-012668)	5.3.1	noted
TP-010238	LS from T2 to TSG-T "UE Functionality Split Relating to the IMS"	T2 (T2-0101170)	5.2.1	noted
TP-010239	LS from T2 to CN1, SA4 cc: TSG-T "UMTS_AMR_2"	T2 (T2-0101178)	5.2.1	noted
TP-010240	T3 status report to TSG-T #14	T3 chairman	5.3.1	noted
TP-010241	CRs on Java API (TS 03.19 / 11.13 / 43.019) **for approval**	T3	5.3.3	approved
TP-010242	CRs on secure messaging (TS 03.48/23.048) **for approval**	T3	5.3.3	approved
TP-010243	CRs on (U)SIM toolkit (TS 11.14 / 31.111) **for approval**	T3	5.3.3	approved
TP-010244	CRs on SIM/USIM characteristics (TS 51.011 / 31.102) **for approval**	T3	5.3.3	approved
TP-010245	CRs on USAT interpreter (TS 31.112 / TS 31.113) **for approval**	T3	5.3.3	approved
TP-010246	CR on AIDs (TS 31.110) **for approval**	T3	5.3.3	approved
TP-010247	CRs on USIM test specification (TS 31.122) **for approval**	T3	5.3.3	approved
TP-010248	TS 31.114 v1.0.0 "USAT Interpreter Protocol and Administration"	T3	5.3.4	noted
TP-010249	TS 31.131 v1.0.0 "C language binding for SIM API"	T3	5.3.4	noted
TP-010250	SIM Toolkit test specification update - for information	T3	5.3.4	
TP-010251	Work item description on ISIM **for approval**	T3 (T3-010731)	5.3.3	conditionaly approved subject to TSG-SA
TP-010252	Work Item description UE management **for approval**	T3 (T3-010761)	5.3.3	postponed
TP-010253	not used	not used		not used
TP-010254	T1 status report (slides)	T1 chairman	5.1.1	
TP-010255	Draft report from T1#13	T1 secretary	5.1.1	noted
TP-010256	Task 160 **ToR for approval**	T1	5.1.3	agreed -> PCG
TP-010257	Report from Task 160 and verification database	Task 160 leader	5.1.1	approved
TP-010258	CRs to 34.108 **for approval**	T1	5.1.3	approved except CRs number 064, 066, 065 and 067
TP-010259	CRs to 34.121 **for approval**	T1	5.1.3	approved
TP-010260	CRs to 34.122 **for approval**	T1	5.1.3	approved
TP-010261	CRs to 34.123-1 **for approval**	T1	5.1.3	approved
TP-010262	CRs to 34.123-2 **for approval**	T1	5.1.3	approved
TP-010263	Draft WI on MExE testing	T1	5.1.4	revised see TP-010288
TP-010264	LS from T1 to T2 cc TSG-T "re: SMS testing"	T1	5.1.1	noted
TP-010265	ToRs for T1 - Proposed update	T1	5.1.3	revised see TP-010287
TP-010266	T2 status report (slides)	T2 chairman	5.2.1	noted
TP-010267	T2#14 Edinburgh draft meeting report	T2 Secretary	5.2.1	noted
TP-010268	CRs on MExE **for approval**	T2	5.2.3	approved
TP-010269	CRs on Terminal Interfaces and Capabilities **for approval**	T2	5.2.3	approved
TP-010270	Report from 3GPP PCG Meeting#7, Tokyo, 8 October 2001	PCG secretary	4.1	noted
TP-010271	Report from 3GPP OP Meeting#6, Tokyo, 9 October 2001	OP secretary	4.1	noted
TP-010272	not used	not used		not used
TP-010273	CR to 21.101: "Correction to list of specs" for information	MCC	6	withdrawn
TP-010274	CR to 21.102: "Correction to list of specs" for information	MCC	6	noted
TP-010275	CR to 01.01: "GSM Release 1999 specifications" for information	MCC	6	noted
TP-010276	CR to 41.102: "GSM Release 4 Specifications" for information	MCC	6	noted
TP-010277	Specs status list prior to TSGs#14 for information	MCC	6	noted
TP-010278	3GPP Work Plan - Microsoft Project/PDF version	MCC	6	noted
TP-010279	3GPP Work Plan - Presentation on status	MCC	6	presented
TP-010280	CRs on Messaging Change Requests **for approval**	T2	5.2.3	approved
TP-010281	WID (Revised) for / MExE Security Analysis Activity **for approval**	T2	5.2.3	approved
TP-010282	LS from SA4 to T2 cc TSG-T "re: Introduction Of UMTS_AMR_2 into R99 UE's"	SA4 (S4-010693)	5.2.1	note
TP-010283	Rel-5 draft TR 32.802 v100 in co-operation with T2 on "User Equipment Management (UEM) feasibility study	SA5	5.2.1	noted
TP-010284	Draft Summary of 3GPP Future Evolution Workshop October 2001	Workshop	4.1	presented

Tdoc	Title	Source	Agenda	Notes / Status
TP-010285	CRs 064, 065,066, 067 to TS 34.108	T1	5.1.3	approved
TP-010286	IMS clients in UE split	Nortel Networks		noted
TP-010287	ToRs for T1	TSG-T	5.1.3	approved
TP-010288	Discussion document on application testing	Siemens		noted
TP-010289	LS from TSG-RAN regarding RABS in TS 34.108	TSG-RAN (RP-010921)		discussed
TP-010290	Report on IETF matters	IETF rapporteur	4.2	noted
TP-010291	CR 34.108-080 R99: Correction on introduction of section 6.10	TSG-T	5.1.3	approved
TP-010292	CR 34.108-081 Rel-4: Correction on introduction of section 6.10	TSG-T	5.1.3	approved
TP-010293	LS from RAN updating procedure of RAB definitions in TS 34.108	TSG-RAN (RP-010931)	5.1	discussed
TP-010294	LS from SA2 cc TSG-T: IMS identifiers and ISIM and USIM	SA2 (S2-013599)	4.1	discussed
TP-010295	Smooth introduction of Release 99	Alcatel, Ericsson, Lucent, Motorola, Nokia, Nortel Networks, T-Mobil, Qualcomm		discussed
TP-010296	LS from TSG-T to WAP Forum on MMS	TSG-T		approved
TP-010297	Guidelines on holding joint ad hoc Meetings	Anritsu		discussed
TP-010298	Presentation on the IP framework report	SA1 vice-chair		noted
TP-010299	LS to SA1 on USIM support in Rel-5 GSM only terminals	TSG-T		approved

ANNEX D   **List of change requests presented to TSG-T #14**

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

Spec	CR	Rev	Release	Cat	Plenary doc	WG doc	TSG status	Subject	CR written to:	Resulting vers	WG	Workitem
03.19	A017		R99	F	TP-010241	T3-010790	approved	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	8.2.0	8.3.0	T3	TEI
03.40	A090		R97	F	TP-010280	T2-011247	approved	Correction on SMS Information Element Data Length	6.1.0	6.2.0	T2	TEI
03.40	A091		R98	A	TP-010280	T2-011248	approved	Correction on SMS Information Element Data Length	7.4.0	7.5.0	T2	TEI
03.48	A021		R99	F	TP-010242	T3-010780	approved	Clarification of the APDU Access Domain	8.7.0	8.8.0	T3	TEI
03.48	A022		R99	F	TP-010242	T3-010787	approved	Correction of Response Header Length (RHL) definition	8.7.0	8.8.0	T3	TEI
07.07	A090	1	R98	F	TP-010269	T2-010969	approved	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	7.6.0	7.7.0	T2	TEI
11.11	A130		R99	F	TP-010244	T3-010743	approved	Collection of corrections	8.5.0	8.6.0	T3	TEI
11.11	A129		R98	F	TP-010244	T3-010745	approved	Addition of procedures for GPRS files	7.6.1	7.7.0	T3	TEI
11.13	A003		R98	F	TP-010241	T3-010771	approved	Specification for framework part	7.2.0	7.3.0	T3	TEI
11.13	A004		R98	F	TP-010241	T3-010772	approved	Alignment with core specfciation	7.2.0	7.3.0	T3	TEI
11.14	A208		R99	F	TP-010243	T3-010758	approved	Corrections	8.8.0	8.9.0	T3	TEI
23.038	008		Rel-4	F	TP-010280	T2-011108	approved	Deletion of GSM 01.04 reference	4.3.0	4.4.0	T2	TEI4
23.040	036		Rel-5	F	TP-010280	T2-011151	approved	Clarification of LZSS compression for "EXTENDED OBJECTS" in EMS	5.1.0	5.2.0	T2	MESS5-EMS
23.040	038		R99	A	TP-010280	T2-011249	approved	Correction on SMS Information Element Data Length	3.6.0	3.7.0	T2	TEI
23.040	039		Rel-4	A	TP-010280	T2-011250	approved	Correction on SMS Information Element Data Length	4.4.0	4.5.0	T2	TEI4
23.040	034		Rel-5	F	TP-010280	T2-011004	approved	Correction of Data Format Delivery Request	5.1.0	5.2.0	T2	TEI5
23.040	040		Rel-5	A	TP-010280	T2-011251	approved	Correction on SMS Information Element Data Length	5.1.0	5.2.0	T2	TEI5
23.040	035		Rel-5	F	TP-010280	T2-011254	approved	Information Element Classification	5.1.0	5.2.0	T2	TEI5
23.040	037		Rel-5	F	TP-010280	T2-011158	approved	Extended Object Positioning	5.1.0	5.2.0	T2	TEI5
23.041	008		Rel-4	F	TP-010280	T2-011024	approved	Clarification on the use of Message IDs in multi-technology networks	4.1.0	4.2.0	T2	TEI4
23.048	008		Rel-5	C	TP-010242	T3-010777	approved	Maximum number of timer allowed for applet instance	5.1.0	5.2.0	T3	TEI4
23.048	013		Rel-4	F	TP-010242	T3-010783	approved	Clarification on computation of DES in CBC mode	4.1.0	4.2.0	T3	TEI4
23.048	014		Rel-5	A	TP-010242	T3-010784	approved	Clarification on computation of DES in CBC mode	5.1.0	5.2.0	T3	TEI4
23.048	015		Rel-4	F	TP-010242	T3-010788	approved	Correction of Response Header Length (RHL) definition	4.1.0	4.2.0	T3	TEI4
23.048	016		Rel-5	A	TP-010242	T3-010789	approved	Correction of Response Header Length (RHL) definition	5.1.0	5.2.0	T3	TEI4
23.048	011		Rel-4	F	TP-010242	T3-010781	approved	Clarification of the APDU Access Domain	4.1.0	4.2.0	T3	TEI4
23.048	007		Rel-5	B	TP-010242	T3-010776	approved	Definition of a Minimum Security Level	5.1.0	5.2.0	T3	TEI4
23.048	012		Rel-5	A	TP-010242	T3-010782	approved	Clarification of the APDU Access Domain	5.1.0	5.2.0	T3	TEI4

Spec	CR	Rev	Relea se	C at	Plenary doc	WG doc	TSG status	Subject	CR written to:	Resulti ng vers	WG	Workitem
23.057	102		Rel-4	F	TP-010268	T2-011132	approved	Signature algorithm specification	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	099		Rel-4	F	TP-010268	T2-010957	approved	Spell check and clarifications	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	104		Rel-4	F	TP-010268	T2-011135	approved	Context of MCC+MNC Missing	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	103		Rel-4	F	TP-010268	T2-011133	approved	Marking MRPK/ARPK Invalid through Secure Mechanism	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	101		Rel-4	F	TP-010268	T2-011131	approved	Certificate chain level inconsistency	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	105		Rel-4	F	TP-010268	T2-011136	approved	Removing References to Sun Microsystems	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	100		Rel-4	F	TP-010268	T2-010959	approved	Addition reference to 23.227	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	106		Rel-4	F	TP-010268	T2-011245	approved	Correction of PKCS #15 reference and editorial changes	4.3.1	4.4.0	T2	MEXE-ENHANC
23.057	098		Rel-4	F	TP-010268	T2-010946	approved	Changing figure number 6A to 7	4.3.1	4.4.0	T2	MEXE-ENHANC
23.140	025		Rel-5	A	TP-010280	T2-011116	approved	Removing inconsistency of mandated functionality	5.0.0	5.1.0	T2	MESS5-MMS
23.140	024		Rel-4	F	TP-010280	T2-011115	approved	Removing inconsistency of mandated functionality	4.4.0	4.5.0	T2	MMS
23.140	022		Rel-4	F	TP-010280	T2-011112	approved	Clarification of Forwarding in MM1 message retrieval	4.4.0	4.5.0	T2	MMS
23.140	021		Rel-4	F	TP-010280	T2-011111	approved	Correction of MM Status Code	4.4.0	4.5.0	T2	MMS
23.140	026		Rel-5	A	TP-010280	T2-011119	approved	Correction of MM Status Code	5.0.0	5.1.0	T2	MESS5-MMS
23.140	027		Rel-4	F	TP-010280	T2-011120	approved	Correction on MM1 and MM4 abstract messages	4.4.0	4.5.0	T2	MMS
23.140	020		Rel-5	F	TP-010280	T2-011043	approved	Clarification of the reply-charging service behaviour description	5.0.0	5.1.0	T2	MESS5-MMS
23.140	019		Rel-5	A	TP-010280	T2-011020	approved	Reference to TS 29.061 specification on RADIUS usage	5.0.0	5.1.0	T2	MESS5-MMS
23.140	031		Rel-5	B	TP-010280	T2-011211	approved	Configuration of MMS-capable Ues	5.0.0	5.1.0	T2	MESS5-MMS
23.140	028		Rel-5	A	TP-010280	T2-011127	approved	Correction on MM1 and MM4 abstract messages	5.0.0	5.1.0	T2	MESS5-MMS
23.140	023		Rel-5	A	TP-010280	T2-011113	approved	Clarification of Forwarding in MM1 message retrieval	5.0.0	5.1.0	T2	MESS5-MMS
23.140	033		Rel-5	F	TP-010280	T2-011234	approved	reply-charging clarifications	5.0.0	5.1.0	T2	MESS5-MMS
23.140	032		Rel-5	F	TP-010280	T2-011233	approved	MMS address hiding	5.0.0	5.1.0	T2	MESS5-MMS
23.140	030		Rel-5	A	TP-010280	T2-011201	approved	clarification of status codes in MM4_read_reply_report.REQ	5.0.0	5.1.0	T2	MESS5-MMS
23.140	018		Rel-4	F	TP-010280	T2-011019	approved	Reference to TS 29.061 specification on RADIUS usage	4.4.0	4.5.0	T2	MMS
23.140	029		Rel-4	F	TP-010280	T2-011200	approved	clarification of status codes in MM4_read_reply_report.REQ	4.4.0	4.5.0	T2	MMS
23.227	002		Rel-4	F	TP-010269	T2-011175	approved	Correction in WAP Forum Reference	4.0.0	4.1.0	T2	TLM
23.227	004		Rel-5	F	TP-010269	T2-011177	approved	Add the interaction requirements for USAT bearer indepenedent protocol via local links	4.0.0	5.0.0	T2	TLM5
23.227	003		Rel-4	F	TP-010269	T2-011176	approved	Text added to Figure A.1	4.0.0	4.1.0	T2	TLM
23.227	001		Rel-5	F	TP-010269	T2-011240	approved	Expansion of introduction and clarifications of scope	4.0.0	5.0.0	T2	TLM5
27.007	081		Rel-5	B	TP-010269	T2-011180	approved	Added reference to 23.227	4.2.0	5.0.0	T2	TEI5

Spec	CR	Rev	Relea se	C at	Plenary doc	WG doc	TSG status	Subject	CR written to:	Resulti ng vers	WG	Workitem
27.007	078		R99	F	TP-010269	T2-010979	approved	Different compression algorithms in AT command +CGDCONT and +CGDSCONT	3.9.0	3.10.0	T2	TEI
27.007	080		Rel-5	B	TP-010269	T2-011179	approved	New AT command +CRMC (Ring Melody Control)	4.2.0	5.0.0	T2	TEI5
27.007	079		Rel-4	A	TP-010269	T2-011242	approved	Different compression algorithms in AT command +CGDCONT and +CGDSCONT	4.2.0	4.3.0	T2	TI-ATC
27.007	072	1	Rel-4	A	TP-010269	T2-010973	approved	Obsolete +CGCLPAD and corrections due to X.25 removal	4.2.0	4.3.0	T2	TI-ATC
27.007	071	1	R99	F	TP-010269	T2-010972	approved	Obsolete +CGCLPAD and corrections due to X.25 removal	3.9.0	3.10.0	T2	TEI
27.007	074		Rel-4	A	TP-010269	T2-010968	approved	Clarifications to AT commands used with circuit swiched data	4.2.0	4.3.0	T2	TI-ATC
27.007	077		Rel-4	F	TP-010269	T2-011241	approved	Correction of chapter heading and references	4.2.0	4.3.0	T2	TI-ATC
27.007	076		Rel-4	A	TP-010269	T2-010975	approved	Correction in the +CGACT command explanation	4.2.0	4.3.0	T2	TI-ATC
27.007	069	1	R99	A	TP-010269	T2-010970	approved	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	3.9.0	3.10.0	T2	TEI
27.007	070	1	Rel-4	A	TP-010269	T2-010971	approved	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	4.2.0	4.3.0	T2	TI-ATC
27.007	075		R99	F	TP-010269	T2-010974	approved	Correction in the +CGACT command explanation	3.9.0	3.10.0	T2	TEI
27.007	073		R99	F	TP-010269	T2-010967	approved	Clarifications to AT commands used with circuit swiched data	3.9.0	3.10.0	T2	TEI
31.102	103		Rel-4	F	TP-010244	T3-010796	approved	Correction to EF(OPL)	4.2.0	4.3.0	T3	TEI4
31.102	101		Rel-4	A	TP-010244	T3-010754	approved	General corrections	4.2.0	4.3.0	T3	TEI4
31.102	102		Rel-4	F	TP-010244	T3-010793	approved	Optional commands	4.2.0	4.3.0	T3	TEI4
31.102	100		R99	F	TP-010244	T3-010753	approved	General corrections	3.7.0	3.8.0	T3	TEI
31.110	004		Rel-4	D	TP-010246	T3-010786	approved	Replacement of Content with a reference to TS 101 220	4.0.0	4.1.0	T3	TEI4
31.111	059		Rel-4	F	TP-010243	T3-010756	approved	Reservation of byte in terminal profile	4.4.0	4.5.0	T3	TEI4
31.111	060		R99	F	TP-010243	T3-010759	approved	Corrections to the bearer independant protocol feature	3.6.0	3.7.0	T3	TEI
31.111	061		Rel-4	A	TP-010243	T3-010760	approved	Corrections to the bearer independant protocol feature	4.4.0	4.5.0	T3	TEI4
31.112	001		Rel-5	F	TP-010245	T3-010738	approved	Correction of TAR value usage	5.0.0	5.1.0	T3	TEI5
31.113	001		Rel-5	F	TP-010245	T3-010739	approved	Addition of SendAdditionalInformation attribute	5.0.0	5.1.0	T3	TEI5
31.113	003		Rel-5	C	TP-010245	T3-010741	approved	Changes to USAT Interpreter system information partition table	5.0.0	5.1.0	T3	USAT1-Interpr
31.113	004		Rel-5	B	TP-010245	T3-010755	approved	comparison with a variable value	5.0.0	5.1.0	T3	USAT1-Interpr
31.113	002		Rel-5	F	TP-010245	T3-010740	approved	Collection of clarifications	5.0.0	5.1.0	T3	TEI5
31.122	004	1	R99	F	TP-010247	T3-010763	approved	Change test for TLV DO with tag '82' and '83'	3.0.0	3.1.0	T3	TEI
31.122	001		R99	F	TP-010247	T3-010710	approved	Corrections	3.0.0	3.1.0	T3	TEI
34.108	081		Rel-4	A	TP-010292	--	approved	Correction on introduction of section 6.10	4.0.0	4.1.0		TEI
34.108	064		R99	F	TP-010258	T1-010456	revised	Correction to 6.1 Contents of System Information Blocks	3.5.0	3.6.0		
34.108	070		R99	F	TP-010258	T1-010462	approved	Modification of Test procedures for RF tests	3.5.0	3.6.0		
34.108	065	1	Rel-4	A	TP-010285	T1-010475	approved	Correction to 6.1 Contents of System Information Blocks	4.0.0	4.1.0		TEI
34.108	073		Rel-4	A	TP-010258	T1-010465	approved	Default message contents for RF tests	4.0.0	4.1.0		TEI

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34.108	078		R99	F	TP-010258	T1-010470	approved	Update of clause 7.4 and 6.10	3.5.0	3.6.0		
34.108	066		R99	F	TP-010258	T1-010458	revised	Corrections to clause 6.1, 7.4 and 9	3.5.0	3.6.0		
34.108	079		Rel-4	A	TP-010258	T1-010471	approved	Update of clause 7.4 and 6.10	4.0.0	4.1.0		TEI
34.108	064	1	R99	F	TP-010285	T1-010474	approved	Correction to 6.1 Contents of System Information Blocks	3.5.0	3.6.0		
34.108	071		Rel-4	A	TP-010258	T1-010463	approved	Modification of Test procedures for RF tests	4.0.0	4.1.0		TEI
34.108	067		Rel-4	A	TP-010258	T1-010459	revised	Corrections to clause 6.1, 7.4 and 9	4.0.0	4.1.0		TEI
34.108	066	1	R99	F	TP-010285	T1-010472	approved	Corrections to clause 6.1, 7.4 and 9	3.5.0	3.6.0		
34.108	074		R99	F	TP-010258	T1-010466	approved	Correction to 6.10 Reference Radio Bearer configurations	3.5.0	3.6.0		
34.108	067	1	Rel-4	A	TP-010285	T1-010473	approved	Corrections to clause 6.1, 7.4 and 9	4.0.0	4.1.0		TEI
34.108	069		Rel-4	A	TP-010258	T1-010461	approved	Reference Radio Conditions	4.0.0	4.1.0		TEI
34.108	072		R99	F	TP-010258	T1-010464	approved	Default message contents for RF tests	3.5.0	3.6.0		
34.108	068		R99	F	TP-010258	T1-010460	approved	Reference Radio Conditions	3.5.0	3.6.0		
34.108	077		Rel-4	A	TP-010258	T1-010469	approved	Definition of default value of rate matching attribute	4.0.0	4.1.0		TEI
34.108	076		R99	F	TP-010258	T1-010468	approved	Definition of default value of rate matching attribute	3.5.0	3.6.0		
34.108	075		Rel-4	A	TP-010258	T1-010467	approved	Correction to 6.10 Reference Radio Bearer configurations	4.0.0	4.1.0		TEI
34.108	080		R99	F	TP-010291	--	approved	Correction on introduction of section 6.10	3.5.0	3.6.0		TEI
34.108	065		Rel-4	A	TP-010258	T1-010457	revised	Correction to 6.1 Contents of System Information Blocks	4.0.0	4.1.0		TEI
34.121	111		R99	F	TP-010259	T1-010489	approved	Improvement of test description: CPICH RSCP test case	3.6.0	3.7.0		
34.121	119		R99	F	TP-010259	T1-010497	approved	Changes to blocking characteristics and spurious response test cases	3.6.0	3.7.0		
34.121	114		R99	F	TP-010259	T1-010492	approved	Corrections and improvements for TS 34.121 subclauses 5, 6 and Annex E	3.6.0	3.7.0		
34.121	120		R99	F	TP-010259	T1-010498	approved	Clarification in Spectrum emission mask section	3.6.0	3.7.0		
34.121	121		R99	F	TP-010259	T1-010499	approved	DL Power Control Step Size in performance requirements	3.6.0	3.7.0		
34.121	113		R99	F	TP-010259	T1-010491	approved	UTRA Carrier RSSI test case	3.6.0	3.7.0		
34.121	112		R99	F	TP-010259	T1-010490	approved	Improvement of test description: CPICH Ec/Io test case	3.6.0	3.7.0		
34.121	123		R99	F	TP-010259	T1-010517	approved	BER/BLER testing based on statistical approach	3.6.0	3.7.0		
34.121	118		R99	F	TP-010259	T1-010496	approved	UE Transmit Timing	3.6.0	3.7.0		
34.121	115		R99	F	TP-010259	T1-010493	approved	Clarification of test requirements for Transmit ON/OFF time mask	3.6.0	3.7.0		
34.121	117		R99	F	TP-010259	T1-010495	approved	UE Rx-Tx time difference type 1	3.6.0	3.7.0		
34.121	124		R99	F	TP-010259	T1-010520	approved	Deletion of OFF power measurement on "Power setting in uplink compressed mode" Test	3.6.0	3.7.0		
34.121	122		R99	F	TP-010259	T1-010500	approved	DL Compressed mode, correction of pattern	3.6.0	3.7.0		
34.121	126		R99	F	TP-010259	T1-010522	approved	CR for Transmit OFF power measurement	3.6.0	3.7.0		
34.121	125		R99	F	TP-010259	T1-010521	approved	Cell reselection delay tests in idle mode	3.6.0	3.7.0		
34.121	116		R99	F	TP-010259	T1-010494	approved	Clarification of procedure for Out-of-synchronisation	3.6.0	3.7.0		

Spec	CR	Rev	Relea se	C at	Plenary doc	WG doc	TSG status	Subject	CR written to:	Resulti ng vers	WG	Workitem
								handling of output power				
34.122	061		Rel-4	A	TP-010260	T1-010501	approved	Clarification of AWGN definition	4.1.0	4.2.0		TEI
34.122	068		Rel-4	A	TP-010260	T1-010516	approved	maximum output power for mulicode transimission	4.1.0	4.2.0		TEI
34.122	063		Rel-4	A	TP-010260	T1-010506	approved	Correction of Spurious emissions	4.1.0	4.2.0		TEI
34.122	059		R99	F	TP-010260	T1-010515	approved	maximum output power for mulicode transimission	3.5.0	3.6.0		
34.122	057		R99	F	TP-010260	T1-010511	approved	Clarification in Spectrum emission mask section	3.5.0	3.6.0		
34.122	055		R99	F	TP-010260	T1-010507	approved	Power and ACLR definition corrections	3.5.0	3.6.0		
34.122	058		R99	F	TP-010260	T1-010513	approved	Changes to blocking characteristics and spurious response test cases	3.5.0	3.6.0		
34.122	067		Rel-4	A	TP-010260	T1-010514	approved	Changes to blocking characteristics and spurious response test cases	4.1.0	4.2.0		TEI
34.122	062		Rel-4	A	TP-010260	T1-010504	approved	RX spurious emissions	4.1.0	4.2.0		TEI
34.122	052		R99	F	TP-010260	T1-010502	approved	Clarification of AWGN definition	3.5.0	3.6.0		
34.122	066		Rel-4	A	TP-010260	T1-010512	approved	Clarification in Spectrum emission mask section	4.1.0	4.2.0		TEI
34.122	053		R99	F	TP-010260	T1-010503	approved	RX spurious emissions	3.5.0	3.6.0		
34.122	065		Rel-4	A	TP-010260	T1-010510	approved	Out of synchronisation handling	4.1.0	4.2.0		TEI
34.122	060		R99	F	TP-010260	T1-010518	approved	BER/BLER testing based on statistical approach	3.5.0	3.6.0		
34.122	054		R99	F	TP-010260	T1-010504	approved	Correction of Spurious emissions	3.5.0	3.6.0		
34.122	064		Rel-4	A	TP-010260	T1-010508	approved	Power and ACLR definition corrections	4.1.0	4.2.0		TEI
34.122	056		R99	F	TP-010260	T1-010509	approved	Out of synchronisation handling	3.5.0	3.6.0		
34.122	069		Rel-4	A	TP-010260	T1-010519	approved	BER/BLER testing based on statistical approach	4.1.0	4.2.0		TEI
34.123-1	120		Rel-4	F	TP-010261	T1-010413	approved	New interRAT test cases	4.0.0	4.1.0		TEI
34.123-1	121		Rel-4	F	TP-010261	T1-010414	approved	Corrections to Annex A	4.0.0	4.1.0		TEI
34.123-1	117		Rel-4	F	TP-010261	T1-010410	approved	Removal of TBD Power Levels in section 6	4.0.0	4.1.0		TEI
34.123-1	124		Rel-4	F	TP-010261	T1-010417	approved	Update of interoperbility radio bearer test cases for FDD.	4.0.0	4.1.0		TEI
34.123-1	122		Rel-4	F	TP-010261	T1-010415	approved	Clause 12 Packet Switched Mobility Management	4.0.0	4.1.0		TEI
34.123-1	116		Rel-4	F	TP-010261	T1-010409	approved	Idle mode tests (34.123-1)	4.0.0	4.1.0		TEI
34.123-1	126		Rel-4	F	TP-010261	T1-010419	approved	Corrections to RRC test cases	4.0.0	4.1.0		TEI
34.123-1	125		Rel-4	F	TP-010261	T1-010418	approved	Update to SMS test specification	4.0.0	4.1.0		TEI
34.123-1	114		Rel-4	F	TP-010261	T1-010407	approved	Clause 7.4: BMC testing: update for BMC testing	4.0.0	4.1.0		TEI
34.123-1	113		Rel-4	F	TP-010261	T1-010406	approved	Clause 7.3: PDCP testing: additional configuration information	4.0.0	4.1.0		TEI
34.123-1	115		Rel-4	F	TP-010261	T1-010408	approved	Clause 7.2: Update of UM and AM RLC test cases	4.0.0	4.1.0		TEI
34.123-1	128		Rel-4	F	TP-010261	T1-010421	approved	Annex A Default RRC Message Contents for 1.28Mcps TDD Mode	4.0.0	4.1.0		LCRTDD
34.123-1	129		Rel-4	F	TP-010261	T1-010422	approved	Radio Bearer Tests for 1.28 Mcps TDD Mode	4.0.0	4.1.0		LCRTDD
34.123-1	127		Rel-4	F	TP-010261	T1-010420	approved	RRC Connection Management Procedure Tests for the TDD options	4.0.0	4.1.0		TEI
34.123-1	123		Rel-4	F	TP-010261	T1-010416	approved	Update to GMM test cases	4.0.0	4.1.0		TEI

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34.123-1	118		Rel-4	F	TP-010261	T1-010411	approved	Idle Mode Test Parameters for Multi-mode environment (2G/3G) TDD	4.0.0	4.1.0		TEI
34.123-1	119		Rel-4	F	TP-010261	T1-010412	approved	Traffic Volume Measurement test cases (34.123-1 section 8.4)	4.0.0	4.1.0		TEI
34.123-2	042		Rel-4	F	TP-010262	T1-010443	approved	Inclusion of Baseline Implementation Capabilities for 1.28 Mcps TDD	4.0.0	4.1.0		LCRTDD
34.123-2	041		Rel-4	F	TP-010262	T1-010442	approved	Update of RRC test case applicability	4.0.0	4.1.0		TEI
34.123-2	040		Rel-4	F	TP-010262	T1-010441	approved	Update of applicability of interoperability radio bearer test cases for FDD.	4.0.0	4.1.0		TEI
34.123-2	037		Rel-4	F	TP-010262	T1-010438	approved	ICS/IXIT for traffic volume measurement test cases (34.123-2)	4.0.0	4.1.0		TEI
34.123-2	035		Rel-4	F	TP-010262	T1-010436	approved	updated applicability for PDCP testing	4.0.0	4.1.0		TEI
34.123-2	039		Rel-4	F	TP-010262	T1-010440	approved	Update to GMM test cases	4.0.0	4.1.0		TEI
34.123-2	036		Rel-4	F	TP-010262	T1-010437	approved	Applicability test for Idle mode (section 6.1.2.7 and 6.2) TDD	4.0.0	4.1.0		TEI
34.123-2	044		Rel-4	F	TP-010262	T1-010445	approved	Inclusion of Radio Bearer Applicability, Conditions and Capabilities for testing of 1.28 Mcps TDD	4.0.0	4.1.0		LCRTDD
34.123-2	038		Rel-4	F	TP-010262	T1-010439	approved	Applicability of the new interRAT test cases.	4.0.0	4.1.0		TEI
34.123-2	043		Rel-4	F	TP-010262	T1-010444	approved	Applicability test for RRC section (TDD)	4.0.0	4.1.0		TEI
43.019	003		Rel-5	B	TP-010241	T3-010766	approved	Addition of the EVENT_FIRST_COMMAND_AFTER_SELECT as a toolkit event	5.0.1	5.1.0	T3	TEI5
43.019	004		Rel-5	C	TP-010241	T3-010767	approved	extension of list of Simple BER TLV tags in sim.toolkit.ToolkitConstants	5.0.1	5.1.0	T3	TEI5
43.019	006		Rel-5	C	TP-010241	T3-010769	approved	ToolkitRegistry methods modification when no TAR is defined	5.0.1	5.1.0	T3	TEI5
43.019	008		Rel-4	A	TP-010241	T3-010791	approved	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	4.0.0	4.1.0	T3	TEI4
43.019	002		Rel-5	D	TP-010241	T3-010765	approved	Editorial corrections of constant name	5.0.1	5.1.0	T3	TEI5
43.019	009		Rel-5	A	TP-010241	T3-010792	approved	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	5.0.1	5.1.0	T3	TEI5
43.019	001		Rel-5	F	TP-010241	T3-010764	approved	API methods and Framework behaviour clarifications regarding ProactiveHandler and EnvelopeResponseHandler	5.0.1	5.1.0	T3	TEI5
43.019	005		Rel-5	C	TP-010241	T3-010768	approved	ToolkitRegistry methods modification	5.0.1	5.1.0	T3	TEI5
43.019	007		Rel-5	C	TP-010241	T3-010770	approved	Applet triggering on Menu Help Request event	5.0.1	5.1.0	T3	TEI5
51.011	008		Rel-4	F	TP-010244	T3-010797	approved	Correction to EF(OPL)	4.2.0	4.3.0	T3	TEI4
51.011	006		Rel-4	D	TP-010244	T3-010773	approved	Restructuring of TS 51.011 to be based on TS 102 221	4.2.0	4.3.0	T3	TEI4
51.011	004		Rel-4	F	TP-010244	T3-010744	approved	Collection of corrections	4.2.0	4.3.0	T3	TEI4
51.011	007		Rel-5	F	TP-010244	T3-010795	approved	CHV mapping and handling between USIM- and SIM-applications	4.2.0	5.0.0	T3	TEI5
51.011	005		Rel-4	F	TP-010244	T3-010747	approved	Alignment of SPN feature between 2G and 3G	4.2.0	4.3.0	T3	TEI4

ANNEX E   List of all officials within TSG-T

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

Position	Name	Organisation	Partner	Email	Tel
TSG-T (Terminals)					
Chair	Sang-Keun PARK	Samsung	TTA	skpark@samsung.com	+82 3312809835
Vice chair	Ed EHRLICH	Nokia Corporation	T1	ed.ehrlich@nokia.com	+1 972 894 4495
Vice chair	Kevin HOLLEY	BT	ETSI	kevin.holley@bt.com	+44 1473 605604
Secretary	Michael SANDERS	MCC (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
Vice chair	Hisashi NAKAGOMI	NTT DoCoMo	ARIB	hisashi@cet.yrp.nttdocomo.co.jp	+81 468 40 3100
Secretary	Lidia SALMERON	ETSI (3GPP support)	3GPP	salmeron@etsi.fr	+33 4 9294 4349
- RF Sub Working Group					
Chair	Kunitoshi YONEKURA	Fujitsu	ARIB	yonekura@jp.fujitsu.com	+81 44 754 3865
Vice chair	Edgar GUILLOT	France Telecom	ETSI	edgar.guillot@rd.francetelecom.fr	+33 2 9605 7855
- Signalling Sub Working Group					
Chair	Dan FOX	Anritsu Ltd	ETSI	dan.fox@eu.anritsu.com	+44 1582 433357
Vice chair	Kazuo HAYASHI	Matsushita	ARIB	kazuo.hayashi@yrp.mci.mei.co.jp	+81 0468 40 5542
TSG-T WG2 (UE capabilities)					
Chair	Ian Harris	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	MCC (3GPP support)	3GPP	rodermund@etsi.fr	+33 4 9294 4324
- Mobile Execution Environment (MExE) (Sub Working Group 1)					
Chair	Lars BRENK	TTPCom	ETSI	lsb@ttpcom.com	+45 9631 4646
- UE Capabilities and Interfaces (Sub Working Group 2)					
Chair	Prem SOOD	Sharp	ETSI	pls@sharplabs.com	+1 360 834 8708
- Messaging (Sub Working Group 3)					
Chair	Josef LAUMEN	Siemens	ETSI	josef.laumen@sal.siemens.de	+49 53419062830
TSG-T WG3 (USIM)					
Chair	Klaus VEDDER	Giesecke & Devrient	ETSI	klaus.vedder@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	MCC (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 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/