3GPP TSG-T (Terminals) Meeting #18
New Orleans, Louisiana, USA
4 - 6 December, 2002

TP-020260

Technical Specification Group

TERMINALS

(TSG-T)

draft v0.4

Meeting Report of TSG-T meeting #17
Biarritz, France 4 - 6 September 2002

Hosted by Alcatel

Contents

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

1 Opening of the Meeting and IPR reminder

The meeting was opened by Dr Sang-Keun PARK at 09:00. On behalf of the host, Francois COURAU (Alcatel) welcomed the delegates to Biarritz.

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-020173 contains the draft agenda for TSG-T #17. A presentation on Mobile DRM for MMS was announced under agenda item 5.2.1. Peter NEUMANN announced to give some information from the recent OMA meeting under agenda item 5.2.1. The agenda was approved and can be found in annex A of this report.

3 Approval of the meeting report from TSG-T #16 meeting

TP-020171 contains the draft report of TSG-T #16 (Marco Island, US, 5 - 7 June 2002). It was approved and can be found in TP-020172 with the word “draft” removed.

4 Letters and reports from other groups, LS incoming

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

TP-020242 contains a TSG-SA#16 results summary for TSG-T presented by Friedhelm RODERMUND (MCC).

The document was noted.

TP-020180 contains the draft report of the TSG-SA #16 (Marco Island, US, 10 –13 June 2002).
The report was noted.

TP-020175 contains an LS from SA4 to SA, GERAN, RAN, CN, T on allowed AMR-WB Configurations. It is proposed to reduce the allowed configurations for AMR-WB speech telephony to exactly three. SA4 asks all RAN, GERAN, CN, and T groups to consider the new proposal on simplification of AMR-WB speech telephony service and take the actions to incorporate the necessary changes into the Technical Specification under their responsibility (REL-5).

- It was clarified that this does not have any impact on TR 21.904.

The LS was noted.

4.2 Others

TP-020176 contains an LS from GSMA TWG to TSG-T, TSG-T WG2, TSG-RAN WG2 and TSG-GERAN WG2 on unclear standardisation of AT command +WS46. A multi-RAT UE supporting GERAN and UTRAN which maintains the PCCA STD 101 AT Command +WS46 would become a single-RAT UE after receiving the AT+WS46 command from a connected DTE. It is unclear if this terminal would become a multi-RAT UE again before switching it off and on. TWG requests 3GPP to standardise how the UE informs the network about the change of access capabilities and when the multi-RAT UE shall revert to its original radio access capabilities.

- It was clarified that at the recent T2 meeting, T2 decided not to do anything until the response from RAN2 has been received.

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

TP-020178 contains an LS reply from RAN2 to GSMA TWG, T2 cc T, GERAN2 on "Unclear standardisation of an AT command in TS 27.007". RAN2 has checked the issues and asks T2 to remove at least the AT command for selecting the Wireless Data Service side-stack from all 3GPP releases from R'99 onwards.

- It was noted that RAN2 prefers to get the whole command removed, whereas GERAN proposes to have only a part removed.
- GERAN has taken a wider view assuming that the command was intended to select between 3GPP cellular and WLAN for example.

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

TP-020238 contains an LS reply from GERAN to GSMA TWG, TSG-T, T2, RAN2 regarding AT command +WS46. GERAN asks that the Portable Computer and Communication Association (PCCA) Standard 101 be modified to reflect its original intention.

- It was clarified that GERAN left it to T2 to have the dialog with PCCA on this issue.
- It was proposed to keep the command and do the modification requested by GERAN to have a high level switch for 3GPP, just selecting the mode of the 3GPP terminal. This would mean to keep only "AT+WS46 = 12".
- It was proposed to send a LS to PCCA from TSG-T, since this matter has some urgency. However, the T2 and the T2 SWG2 chairman expressed their preference to have the issue discussed amongst the AT commands experts within T2 first.

The LS was noted. TSG-T supported the GERAN proposal. It was agreed to create a reply LS in TP-020255. TSG-T will request the PCG to add PCCA as a 3GPP liaison partner. Microsoft volunteered to investigate about the current situation of the STD101 standard (what is the latest version etc.).

TP-020244 contains an LS from RAN to TSG-T on a proposed contribution to ITU-R WP8F on the update of Recommendation ITU-R IMT.UNWANT-MS [M.1581]. TSG RAN brought to the attention of TSG T the attached contribution on the update of ITU-R Recommendation IMT.UNWANT-MS [M.1581] that it is meant to be submitted to the next meeting of ITU-R WP8F.

- The T1 SWG RF chair Kunitoshi YONEKURA (Fujitsu) reported that this had not been reviewed by T1. However, he reviewed it and did not identify any problems. The T1 vice chairman Peter GEORGE (Anritsu Ltd) explained that theses changes bring the ITU document in line with T1's documents TS34.121 and TS34.122.

The LS was noted and TSG-T endorsed RAN's LS to be forwarded to ITU to propose these changes to ITU specifications.

TP-020253 contains an LS from RAN to TSG-T on new RAN TR collecting example RABs. RAN asks for comments from TSG T on the outlined approach with 34.108 and the TR, and asks TSG-T to include one additional RAB in 34.108.

- No comments were received from TSG-T.

It was agreed to forward this LS to T1 for comments and further treatment. The attachment was missing therefore the LS with attachment was made available in TP-020257. The LS 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-020181 contains the status report from T1 covering the period since the last TSG-T meeting in June. TP-020182 contains the draft minutes from the last T1 meeting. During the presentation of the report, the following points were noted:

5.1.1.1 RF test status

Five new RRM test cases were developed (all FDD) and corrections and updates to existing Test Cases were done.

Maintenance of R99 Specifications: A follow-up database is maintained which allows all core specification changes to be checked for relevance to test specifications.

Regarding the Total Test Time, the Early Pass/Fail method was shown by simulation to give a small risk of a false result. This means that current methods are being reviewed and a further statistical approach will be sought.

Status of 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD): the specification is almost complete.

Status of 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD): the specification is almost complete.

5.1.1.2 Signalling test status

Status of TS 34.108

Default messages were brought into line with June 2002 core specification, Default message content for RF tests was updated, and Default patterns for compressed mode were added. The introduction of RAB for IMS lead to the creation of Rel-5.

Status of TS 34.123-1

About 15 % of the specification was updated to the June 2002 core specification. The corrections (RRC, CS and PS corrections and updates) are in line with RAN2 comments. The reference RAB tests were updated in line with RAN1 and RAN2 requests.

Status of TS 34.123 – 2

The TS was updated to reflect changes in TS34.123 – 1.

Status of TS 34.123 – 3 (TTCN)

v1.4.0 was released containing 672 test cases and incorporating 1300 changes from v1.3.0.

A press release was issued on TTCN detailing the importance of the achievements and the issues for the future (T1-020444).

98% of GCF package 1 and 80% of package 2 are ready for verification.

The test cases were updated to March 2002.

The industry is now requested to report verification results to T1 via MCC.

T1 now considers the TTCN ready for verification towards the GCF package 1 requirements in Nov/Dec 2002.

TP-020183 contains the TTCN Project Team (160) report.

Progress: TTCN V140 was delivered on 10th July and is based on the core specs March 02, 34.123-1 V501, 672 TC downloadable from T1S server

Available TC status: 649 TCs verifiable, 23 TCs compilable, but not verifiable, 56 new TCs included, 89 TC without TTCN, 59 TC have the prose ready, but no TTCN, 30 TC have no Test Procedure

The secured funding and the expert contracts have resulted in TTCN deliveries in timely manner (as required by GCF), and being able to deliver the verified TTCN TC at the next TSG-T meeting for an eventual T-approval.

The peak of the TTCN changes due to the core specifications and the prose changes is over (1300 – 1500 changes /version).

Import ASN.1 June 02 has been done

The change proportion due to the TTCN verifications is low and the industry is encouraged to use and verify the TTCN TC.

The TTCN Status of GCF packages was given.

TTCN verification database contains 7 TTCN versions. 447 problems have been received since the creation of the database.

During the discussion of the TTCN status report the following points were noted:

- TSG-T needs more working resources to update the prose version to the most recent core specifications.
- T1 concluded on this that assuming the changes to the core specifications are only those which are absolutely essential, then implicitly these changes will not have a significant impact on the test cases and the work load. Whether this is a valid assumption will be seen in future.

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

5.1.1.3 Other issues

Under the terms of the working procedures, T1 would like to request through TSG T, permission to establish official contacts with a new industry body called Open Mobile Alliance (OMA). It was noted that this was already approved by the PCG.

Some of the T1 delegates have already approached OMA independently expressing a desire to co-operate on issues of testing. Related to this, TP-020240 contains an LS from T1 members to OMA IOP cc OMA plenary, TSG-T, T1 on common test specifications for applications and services. The LS was noted without presentation in TSG-T.

The GCF has now identified 2 packages of RF and RRM test cases that will be required by December 2002 and July 2003 respectively. These two packages are yet to be approved at the GCF steering group meeting on 25th September.

5.1.1.4 LS from T1 to TSG-T

TP-020177 contains an LS from T1 to T2 cc T on handling of SMS Type 0 test case for R'99 and REL-4 UEs. T1 asks T2 for guidance and explanation on how else than already described in the attached test case proposal a R99 or a REL-4 UE could reply to the SS on successful receipt of the short message type 0.

The LS was noted and the discussion continued with the following LS.

TP-020198 contains the reply LS from T2 to T1 cc T on Handling of SMS Type 0 test case for R'99 and REL-4 UEs. T2 recommends that for Release 99, Release 4 and Release 5 test cases, in addition to a RP-ACK a check is made for a RP-ERROR to be a valid response to a type 0 message (e.g. an incorrectly formatted short message). There is no need for checking that the message contents are actually discarded for Release 99 and Release 4 test case(s) since this is an implementation matter. Furthermore, T2 does not see any reason for checking the TP-PID. T2 asks T1 to align test cases for short messages type 0 with the given recommendations.

- It was clarified that RP-ERROR could be the reply in the case of a incorrectly formatted short message. However, in the style the test case is drafted there couldn't be any RP ERROR as reply.
- It was clarified that the check for the TP-PID is done because it includes the coding for the type 0 SMS.

The LS was noted and the discussion continued with the CR309 in TP-020193 (section 5.1.3).

5.1.2 Questions for advice and decisions on T1 issues

2G<>3G Handover

Drafting of TTCN 2G>3G handover test cases will begin shortly, (drafting funded by GSMA) however it was noted that GERAN does not have the funding or support for the maintenance of these test cases in the future. T1 would therefore like TSG T to consider the following issues: How will these TCs be supported in the future? Where will these TCs be located?

Discussion:

- Any change of the ownership of the TCs would have to be agreed by PCG.
- There was not clear consensus in T1 on these issues.

The GERAN chairman reported that there is an agreement on the T1/GERAN work split on handover TCs. Formally, the 2G->3G HO TTCN work stays under the responsibility of GERAN including the financial obligations, but for practical reasons, the test cases will be done by the same team which does the T1 tests and will be included in the T1 TTCN. Mechanisms will be brought in place in the GERAN and T1 TTCN to find the full set of TCs from both TTCN test suites (e.g. inclusion of hyperlinks in GERAN and T1 TTCN).

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-020184 contains CRs to 34.108.

- Regarding CR 138, Gunilla BRATT (Ericsson) reported that SA2 concluded that the first RAB proposed in this CR is premature because is assumes that more than one PDP context is handled at the same time which hasn't been discussed at SA2. It was proposed to refer the CR back to T1 to analyze the reply from SA2.

- Regarding the handling of Rel-5, concerns were expressed about creating 34.108 Rel-5 to early resulting in additional CRs necessary to the new version each time corrections are being made. A pragmatic way to handle parallel releases in T1 should be sought. T1 will come back with a proposal on how to handle this.

CR 138 was rejected. All other CRs in this document were approved.

TP-020185 contains CRs to 34.121. They were all approved.

TP-020186 contains CRs to 34.122. They were all approved.

TP-020187 contains CRs to 34.123-1 Package 1 & 2 test cases. They were all approved.

TP-020189 contains CRs to 34.123-2. They were all approved.

TP-020190 contains a new WI on testing of support for IMS, Rel-5.

- It seems that a number of features of IMS are no ready in Rel-5 but were moved to Rel-6. It was therefore asked if the WID shouldn't be written on Rel-6 including the Rel-6 IMS functionality. This was not agreed due to concerns about delaying the start of testing work in this area.

- It was suggested to leave the work in T1 until it is more progressed, and to present the resulting Rel-5 specifications to TSG-T not until this is really necessary. This would avoid some extra work regarding the handling of a new release.

Minor changes were made to the WID and it was approved as TP-020246.

TP-020192 contains CR to 34.121 R99 correcting a regional note in Annex J.1 presented by ARIB. The CR number CR 211 was assigned and the CR was approved.

TP-020193 contains CRs to 34.123-1 NON Package 1 & 2 test cases.

- Regarding CR 309 to section 16.1.6 & 16.2.6: addition of test of short message type 0 (CS/PS) R99 and REL-4 two LSs were received in TP-020177, TP-020198 (see section 5.1.1).

- In the test purpose, it was suggested to change the wording of the CR stating that the UE will acknowledge receipt of the short message *from* the SC instead of *to* the SC. Furthermore, it was suggested to explicitly state that an RP-ACK is expected.

After the discussion of the two related LSs, CR 309 was approved unchanged. All other CRs in this document were approved as well. T1 will treat T2's LS and review the comments at the next T1 meeting.

TP-020194 contains one CR to 34.123-1 related to table format. The CR was approved.

5.1.4 Documents for information

No documents were presented under this agenda item.

5.1.5 Work programme review of T1

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

5.2 WG T2 Mobile Terminal Services and Capability

5.2.1 Reports and liaisons from T2

TP-020200 contains the T2 status report (slides) and TP-020201 contains the draft report from T2#18. During the presentation of the report, the following points were highlighted:

5.2.1.1 Status report

General

Harmonisation with 3GPP2 in the area of MMS is felt by T2 to be highly desirable. Guidelines are sought from TSG T.

DRM: T2 identifies this as an urgent work item and urges a pragmatic approach in a timely manner that does not conflict with the long term DRM stage 2 objectives.

OMA

T2 wishes to build working relationship with OMA.

T2 wishes to understand the OMA mandate and how it may affect T2's current and future work.

T2 would like to understand TSG-T's view on OMA.

T2 is concerned that premature transfer of work in progress to OMA may affect timescale for deliverables (e.g. MMS REL-6), and T2 would like to have some re-assurance that the transfer of the WAP Forums work into OMA will not delay MMS REL-5 Stage 3 delivery.

SWG1 (MExE) Summary

New attributes for JAR manifest file are proposed.

A way forward for MExE is proposed.

Draft TR 22.857 Run Time Independent Framework Feasibility Study presented for information.

SWG2 (UE Interfaces and Capabilities) Summary

CR to 21.904 adding UMTS_AMR2 codec capability requirements.

Generic User Profile: work on TS 23.241 stage 2 Data Description Framework and TS 24.241 stage 3 Common Objects is progressing. Work in progress to produce a T2 work only WID on GUP. LS to SA2 cc T created on the GUP DDF Strategic Direction.

UEM: Draft WID from SA5 discussed and comments provided to SA5. Further debate in the following joint meeting.

Some new proposals for AT commands are under discussion.

SWG3 Summary (MMS)

MMS REL-6 WID: T2's proposal agreed by SA1.

Identification of Directory number support for MMS not progressed.

Message Size definition as defined by T2 preferred to the definition proposed by SA5 at SA#16.

Some problems identified for REL-5 still not resolved.

No REL-6 contributions were processed due to lack of time.

SWG3 Summary (SMS)

For supporting the directory number identification CR, details were added to 23.040. Joint CR with 23.041, 22.101 (SA1). Awaiting CR for USSD (CN4). No changes yet to 23.140.

CR to correct error in MS example.

TP-PI/DCS priority: No relative priority.

SWG3 Summary (CBS)

CR on directory number identification.

LS on UDH over CBS.

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

- Regarding the MMS support for Identification of Directory number, Nokia expressed their view that the stage 1 requirement for this feature regarding MMS on the directory number should be in MMS stage 1 and not instead 22.101. The SA1 chairman explained that T2 should use the stage 1 requirement from 22.101. T2 will look into this at their next meeting.
- Regarding the 3GPP-3GPP2 MMS harmonisation, T2 was advised to use the existing mechanisms for cooperation with 3GPP2. There is an existing liaison relation and it is possible to invite 3GPP2 experts to T2 meetings. In case a 3GPP2 company is not a 3GPP member, they can join meetings as guests. Any LSs from 3GPP to 3GPP2 should be copied to TSG-T.
- Regarding DRM, the T2 chairman reported that currently the MMS stage 2 includes the possibility of having an MMS protection indicator in the message. This bit could also be used by a MMS relay/server to stop the forwarding of protected MMs. He expressed T2's concerns that the time it takes to write a DRM stage 2 might be too long. High-value content providers are extremely nervous about the lack of DRM. A comments was raised informing that a first DRM solution is already almost completed in the WAP Forum (now OMA), and that 3GPP should stick to the DRM solution which is currently under development in 3GPP and OMA. The T2 chairman asked to highlight the concerns on DRM in the TSG-T report to SA in order to ensure that the work is progressing in a timely manner.
- Regarding the MM message size, the T2 chairman reported that there is still no final conclusion the MM size. The outcome of the joint T2/SA5 meeting seems not to reflect the view of the whole of T2 on MM size.

The status report from T2 was noted.

5.2.1.2 DRM

TP-020241 contains a presentation on Mobile DRM for MMS from Beep Science. The presentation described the so-called MMS content super distribution problem. Forward lock is not the right answer although it is securing some business for the content owners but it lead's to a loss of data traffic revenue for operators. The solution would be charging on forwarding with copyright protection. This would result in secured revenues and copyright protection for content providers and increased data traffic revenues for operators. This could be realized by a MMS Content Policy System (CPS) which is based on a node in the network and which controls the content. This solution is terminal and content type independent. No client software is needed. A pilot project on mobile DRM was run in co-opertation with Telenor.

Discussion:

- Charging on forwarding could be realized with the forwarding indicator mechanism which is included in the MMS stage 2.
- Everything what is done in DRM in 3GPP should be done within the existing work frame of DRM.
- How does the (U)SIM fit into the scheme? T3 requested to be involved in the work on DRM. Concerns were raised regarding security issues which seem not addressed in the presented solution.
- Further use cases are necessary to decide how to go ahead.
- If a DRM standard is not developed quick enough proprietary solutions may emerge and these may not be satisfactory.

It was agreed to inform SA about the discussion which took place in T.

5.2.1.3 OMA

Peter NEUMANN reported from the OMA meeting held in Rome the week before TSG-T. He noted several deficiencies regarding organisation and document handling. The rules and procedures were not transparent and not available in a written form yet. The idea of starting working only on new items seemed not to be fully supported in OMA. There were some proposals that also existing application work should be handled by OMA and that some applications should be redefined.

Discussion:

- The decision made at the OMA meeting were often not clear.
- Concerns were expressed about creating an overlap of work. Concerns were expressed on the delay of work when moving work prematurely. It was felt that any transfer of any Rel-6 work into OMA at this point is very premature.

- It was reported that OMA is trying to integrate a number of affiliates (Wireless Village, SyncML, LIF, MMS IOT, more are expected) which is difficult and not all problems have been fully solved yet. Furthermore, it is not clear what the IPR policy will be in OMA.
- OMA is putting a lot of emphasize on testing.
- Regarding the concerns about the ongoing MMS work, it was clarified that the main bodies of the WAP Forum still exist at the moment but that it is not clear how these groups will be integrated or absorbed. Both organizations (3GPP and OMA) are contribution based and also the completion of MMS is depending on contributions.
- Concerns were expressed about lack of openness in OMA.
- Close communications links between 3GPP and OMA should be established. Concerns were expressed that the relation building between 3GPP and OMA is not happening quick enough at the moment.
- The direction of OMA seems not to be clear yet.
- It was clarified that OMA is a UK registered company. It is a legal entity.
- 3GPP is a partnership project of SDOs producing standards published by the SDOs, OMA is an industry body which is producing industry standards.
- Concerns were expressed that this discussion in TSG-T is premature. So far, no requests for work transfer has been received by OMA. For 3GPP to be prepared, it would be useful to understand for a proposed item, how much work is specific to the bearer and how much is specific to an application using an already existing bearer.
- 3GPP should continue on its current program until the working relationship and respective future responsibilities between 3GPP and OMA become clearer.

Conclusion: It was agreed to reflect the discussion which was held in TSG-T to SA, and it was agreed to write a LS to OMA asking about the status of the ongoing MMS MM1 stage 3 work (see TP-020258 in section 7).

TP-020248 contains slides on OMA meeting observations which were provided for information by the T-chairman. The document gives an overview about the OMA organisation structure and scope.

The document was noted.
TP-020249 is an input to SA#17 (SP-020418) from several companies about the Creation of Open Mobile Alliance. With the creation of the Open Mobile Alliance, the supporting companies believe that it is essential to avoid overlap between the work of OMA and other standards bodies like 3GPP and 3GPP2. When it comes to the development of applications, and application enablers, the authors believe that much of the work should now be focused inside OMA, especially for new items which are radio and core network independent. The document proposes principles for the work distribution between OMA and 3GPP.

- Microsoft raised the comment that in their opinion Java is not an open global standard.

The document was noted.

5.2.1.4 LSs from T2 to TSG-T

TP-020196 contains an LS from T2 to T3 cc T on MMS UA Behaviour with Respect to Handling MMS Parameters on the USIM. The CR gives responses to actions given to T2 by T3. CRs resulting from these actions are attached to the LS.

- The T3 chairman reported that T2 was asked by TSG-T#16 to make the use of the MMS parameters in the UE mandatory. T2 introduced only the option for this.

The LS was noted.

TP-020236 contains an LS from T3 to T2 cc T on MMS Parameters on the USIM. T3 proposes a revised version of the CR84 to 23.140 (T2-020799) where the section on the Connectivity Parameters has been modified to reflect T3 specification, and the section 6.1.11 makes the use of the USIM information mandatory.

- Opinions were expressed that this should be reviewed by the MMS experts in T2. One possible way forward could be a joint meeting.
- It was not clear what were the arguments from T2 not following the advice given by TSG-T.
- The T2-secretary reported that the LS with the revised CR attached has been sent to the T2 reflector and no comments were received so far.

- The discussion went on around the question if CR revised by T3 should be approved at this TSG-T meeting, or if T2 has to review it first.

The LS was noted and the discussion continued later with TP-020237 (see section 5.2.3).

TP-020197 contains an LS from T2 to T on thoughts on the future of MExE. With respect to the approved work item in TP-020017, "MExE Release 6 Improvements and Investigations," T2 recommends that after a way forward in the area of an execution environment has been developed and approved, 23.057 should be frozen and no new functionality, only F CRs be accepted to 23.057. With respect to the approved work item in TP-020086, the RTIF Feasibility Study, the work will be completed and the technical report will be issued. Possible ways forward in the area of execution environment are given and T is asked for comments and guidance.

Discussion:

- It was clarified that bullet 2 of the possible ways forward can benefit from the RTIF in bullet 1.
- It was proposed to freeze the work on MExE now, and to further evaluate the proposed possible ways forward.
- We should unbundle the interesting parts of MExE e.g. the security framework should be used independently and be moved either into separate docs or move into existing specifications.
- Encouragement was given to think about the 3GPP process and not only the T2 aspects i.e. consider the MExE stage 1. It was noted that many things in stage 1 are not implemented in stage 2. A review of the stage 1 might be useful. The unbundling or restructuring of the specification does not necessarily have an effect on the stage 2.
- RITF is not a successor of MExE but an independent activity and therefore it seems not to be required to date the freezing of MExE.
- If TSG-T agrees that we are on a side track it would be better to focus to get back on the main track e.g. by creating a work item for unbundling the useful items.
- Delegates were encouraged to study the RITF and provide input since this is planned for completion by the end of this year.
- The T2 SWG1 MExE chairman stressed that it would be important to get some guidance from TSG-T about the possible ways forward.
- Once the RITF FS is completed it can be decided if the work is continued e.g. by generating a TS. A new WID would be necessary for this anyway. Regarding the bullets on the different possible ways forward, interested companies have to come forward with new WIDs.
- It was proposed to create the new RITF work item in parallel with continuing the work on the FS.
- It is not at all intended (and probably wouldn't be agreed) to add significant functionality to MExE Rel-6, therefore it's not required to freeze the MExE Rel-6 specification/work item.
- Concerns were expressed that as long MExE is not frozen there is no interest and little motivation to start focussing on the RITF.

The LS was noted and the T endorsed the Short-Term Recommendations of TP-020197:

1. With respect to TP-020017, "MExE Release 6 Improvements and Investigations," we recommend that after a way forward in the area of an execution environment has been developed and approved, 23.057 should be frozen and no new functionality, only F CRs be accepted to 23.057.
2. With respect to TP-020086, the RTIF Feasibility Study, the work will be completed and the technical report will be issued.

The consensus in T was that unbundling of 23.057 features is desirable, and T2 should study along the lines described in TP-020197.

TP-020199 contains an LS from T2 to T on TP-PID vs. TP-DCS priority. After the debate held at the last TSG-T, T2 has checked the issue and concluded that there is no unique way to declare priority for either of the parameters TP-PID or TP-DCS.

The LS was noted.

TP-020174 contains an LS from SA2 to T2 cc SA5, SA1, SA ,T on GUP DDF. Based on a given analysis, T2 is requested to give guidance to SA2 on whether there are technical reasons to continue the work on GUP DDF or should one of the existing schema mechanisms be utilized within 3GPP systems.

The LS was noted and the discussion was continued with the following doc.

TP-020195 contains the reply LS from T2 to SA2 cc SA5, SA1, T on GUP DDF Strategic Direction. The purpose of the T2 GUP work is explained as developing a method for describing Profile data in a way which is independent of the transport protocols and access methods. Comments and explanations on the GUP DDF and GUP Schema Mechanism are given, and SA2 is requested to feedback to T2 that the explained direction of the GUP and DDF work is aligned with the SA2 perspective.

The LS was noted.

TP-020239 is a discussion document on thoughts on the T2 compromise regarding GUP XML schema from Siemens. It proposes to prevent the standardization of two equivalent 3GPP XML schema mechanisms for the same purpose. Only essential benefits would justify a coexistence and these are not yet identified by T2. For this reason it is proposed to ask T2 to identify essential benefits for a coexistence of two 3GPP schema mechanisms. If T2 can't find such benefits then a proposal for a single solution has to be worked out. Furthermore, it is proposed to send an LS to SA2 stating that T requests a more detailed analysis on the matter and that the final decision has to be based on the T2 analysis outcome.

- The appropriate forum to discuss this detailed contribution would be the October SWG2 meeting.
- An additional LS to SA2 from T would confuse the LS which has been send already on this issue.
- We want something which is as lean as possible and all companies are encouraged to contribute to get such a solution.

The document was noted and T2 will resolve this issue at their next SWG2 meeting dedicated to GUP in October.

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-020202 contains CRs on MExE (TS 23.057). The CRs were all approved.

TP-020203 contains a CR on Terminal Interfaces and Capabilities (TR 21.904). The CR was approved.

TP-020204 contains CRs on SMS and CBS (TS 23.040, TS 23.041) . CR061 to 23.040 was approved. CR062 to 23.040 was approved subject to the 22.101 CR being approved at SA#17. The CR 011 to 23.041 was revised to rev 1 in TP-020252 and approved.

TP-020237 contains CRs on MMS (TS 23.140). The CRs were approved except 083, 084, 087, 089 which caused a long discussion:

- The discussion went around the issue if the revised version of the CR provided by T3 can be approved at this meeting.
- The intentions regarding this issue seem to be the same in T2 and T3. However, some T2 representatives feel not comfortable with the T3 CR as it stands and want to have the chance to review it.
- Some delegates kindly reminded T2 to monitor previous T, SA1,and SA decisions on the issue.
- It was pointed out that requirements of SA1 should be taken into account : TS 22.140 section 5.1 requires the use by the UE of two sets of parameters on the USIM (the issuer one and the user one).

Finally, CRs 083, 084, 087, 089 were approved unchanged. T2 will study T3's LS at their next meeting and try to resolve this urgent issue in a timely manner. T3 experts are invited to T2's meeting. It was not agreed to add an explicit note to this T#17 meeting report giving T2 further advice.

TP-020206 contains the proposed WID on MMS enhancements.

- MMS has a very large application oriented content which could potentially lead to an overlap with OMA. Therefore, Ericsson asked T2 to review the work item and prioritze the included items, and do an analysis on what is bearer dependant and what is bearer independent.
- It was stressed that we shouldn't delay any work because of the cooperation with another body.

The WID was approved. The request to T2 to make the analysis was noted by T. It was agreed to send the WID also to SA because the WID affects many groups. *Secretary's note: It was noted that SONY ERICSSON - although mentioned on the WID - were not a supporting company because they are not 3GPP member.*

5.2.4 Documents for information

TP-020207 contains the TR 22.857 Runtime Independent Framework Feasibility Study. The document was presented for information. This document discusses the need for a Runtime Independent Framework for MExE, what it is, and how it can be provided with a minimum of changes to the existing specification. It consists of a benefits analysis and a feasibility study on the creation of a framework enabling the application of MExE to arbitrary runtime environments.

The TR was noted. *Secretary's note: The TR was revised to TP-020251 because the PDF-version was corrupt.*

5.2.5 Work programme review of T2

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

5.3 WG T3 USIM

5.3.1 Reports and liaisons from TSG-T WG3

TP-020226 contains the status report (slides) for T3. During the presentation of the report, the following points were highlighted:

Nigel Barnes (Motorola) was elected as successor to Dr. Klaus Vedder (Giesecke & Devrient) to become the new TSG-T3 chairman

MMS on SIM Rel-4: after a long discussion TSG-T3 prepared a CR to include MMS on Rel-4 of the SIM. It was up to TSG-T to decide if the CR should be conditionally approved subject to the SA decision on the matter. One objection to the procedure from the floor was noted by T3.

Access conditions for Java applets: it was discussed within T3 how to treat the independency of the file access via the UICC/ME interface and file access internally by applets on the card.

TS 31.101 was upgraded to Rel-6 as there were 3G specific platform requirements that are currently not defined by the respective EP SCP specification TS 102 221.

Several proposed R99 CRs to several TS were submitted to T3#24. Most of these CRs were rejected as they were not essential and some have been merged into a more essential CR.

Two discussion documents on backwards compatibility of Java applets were received and discussed at T3#24. The outcome of the discussion was that T3 SWG API is requested provide a white paper listing the different options to achieve backwards compatibility of SIM applets and (U)SIM applets: operators are asked to contribute to this work.

A statement on the Minimum security level for Remote Management of Applets was added to TS 23.048 by CR. This CR was necessary to avoid interoperability issues.

A vacancy for a second Vice-chair was reported.

Discussion:

- On the slide related to EP SCP it was commented that SA1 should be involved regarding the work on Small Form Factor UICC
- It was reminded that T2 SWG2 is also interacting with SA5 on UEM, there is a UEM building block with T2 tasks, and T2 has joint meetings with SA5. In future, T3 and T2 may need to coordinate on UEM.The T3 report was noted. It was noted that TSG-T did not receive a reply yet from CN1 on their LS TP-020168 sent from TSG-T#16.

5.3.2 Questions for advice and decisions on T3 issues

TP-020179 contains an LS from T3 to T cc SCP on transfer of the ownership of 3GPP TS 42.019 Subscriber Identity Module Application Programming Interface from REL-6 onwards to ETSI EP SCP. T3 asks TSG-T to agree on this transfer in order to avoid duplication of work resulting in possibly diverging platform specifications.

- It was clarified that it is not intended to create a Rel-6 version of the specification which would be a pointer to the ETSI SCP document. Therefore, all documents which refer to Rel-6 have to be changed.

The LS was noted and TSG-T approved T3's request to transfer the specification to EP SCP.

5.3.3 Approval of contributions on T3 issues

TP-020208 contains CRs to TS 21.111 The CRs were all approved.

TP-020209 contains CRs to TS 23.048, TS 31.115 and TS 31.116. The CRs were all approved.

TP-020210 contains CRs to TS 31.102. The CRs were all approved.

TP-020211 contains a CR to TS 31.103. The CR was approved.

TP-020212 contains CRs to TS 31.111. The CRs were all approved.

TP-020213 contains CRs to TS 31.113. The CRs were all approved.

TP-020214 contains a CR to TS 31.114. The CR was approved.

TP-020215 contains CRs to TS 31.121. The CRs were all approved.

TP-020216 contains CRs to TS 31.122. The CRs were all approved.

TP-020217 contains CRs to TS 03.19 and TS 43.019. The CRs were all approved.

TP-020218 contains CRs to TS 11.11 and TS 51.011.

51.011 015 Introduction of MMS files and procedures, MMS on SIM Rel-4: After a long discussion TSG-T3 prepared a CR to include MMS on Rel-4 of the SIM. It was left up to TSG-T to decide if the CR should be conditionally approved subject to the SA decision on the matter.

TP-020245 contains an LS from SA1 to SA cc T on discussion on MMS configuration information. The SA1 chairman reported that SA1 couldn't find a conclusion on this. SA1 asks SA to provide guidance on the way forward for MMS configuration parameter storage on the SIM.

Discussion:

- It was explained that the request coming from the NA operators was to have the support mandatory for the Rel-4 SIM.
- A Rel-5 GERAN only terminal has to support the USIM anyway.
- The mobile shouldn't offer the user a choice between SIM and USIM. The USIM parameters shall be taken in case USIM and SIM are present and this was once again made clear in a CR approved earlier.
- T3 has not found any backward compatibility issues and this should be reported back to SA.
- Ericsson expressed concerns about setting a precedence on moving in more functionality to the SIM. However, in this case Ericsson supports the proposed additions.

The CRs in TP-020218 were all approved. CR015 51.011 Rel-4 on the introduction of MMS files and procedures was approved subject to SA's decision.

TP-020219 contains TS 31.131 'C'-language binding to (U)SIM API, Rel-6. The TS was approved.

TP-020220 contains TS 51.013 Test specification for SIM API for Java Card™, Rel-4.

- The 3GPP specification manager expressed his concerns that the normal procedure was not followed by T3. New releases shall be created by CRs. No R99 version exists, it was skipped and T3 went straight to Rel-4.

The document was noted and T3 will do the necessary procedural work. TSG-T decided to create the R99 version of 11.13. The Rel-4 version has to be created by a CR.

TP-020221 contains TS 11.10-4 R99 SIM Application Toolkit test specification. The specification was upgraded from scratch as there were too many changes to be incorporated into a CR and as this is seen as a very time critical and important issue to be dealt with ASAP. The T3 Chairman informed GERAN5 during their plenary meeting#6 27-29 August 2002 by sending an urgent letter clarifying to GERAN5 the importance of the upgrade to R99 and the intention to take over responsibility for the specification. T3 proposes to conditionally approve this specification subject to the GERAN5 decision/agreement on this topic.

Discussion:

- The document was presented at T#16 as TS ab.cde for information.
- The GERAN chairman did not agree to have this GERAN document approved as T3 document at this meeting. He asked to have an explanation of the arguments why the specification should be transferred.
- T3 reported that there was no progress in this work area in GERAN or T1. Nothing was done by other groups since 1996. The GERAN chairman questioned whether this was a sufficient argument for the transfer.
- The most important argument for the transfer was: faster implementation of CRs as T3 has been the only WG actively contributing to the specification in the past; the submission of CRs to GERAN5 shall not delay the CR evolution and maintenance process. It was further stressed that T3 is responsible for all (U)SIM related test-specifications except this one.
- During November 2001, some LSs were exchanged on this and it was agreed that a representative from the T3 SIM toolkit ad-hoc test specification group will present the new tests to GERAN5. If after this presentation it can be agreed that the SIM toolkit does not make it possible to change the MS behaviour in the network, then GERAN is willing to consider the transfer of the responsibility for 11.10-4 from TSG GERAN to TSG T. However, this presentation didn't happen yet.
- GERAN5 officials did not disagree in principle but they had some technical comments on the draft presented at this meeting (e.g. frequency bands, PICS, applicability of test cases). It was noted that none of the drafts have been seen at GERAN 5 meetings.
- T3 proposes to have the document conditionally approved subject to a GERAN decision after a review of the document. GERAN wants to have the chance to review the document first.
- T3 stressed that there is an urgent industry requirement for this document.
- The 3GPP specification manager criticized the approach with this document and that the normal procedure creating new releases by CRs was not followed.
- The proper procedure would be to decide on the transfer of responsibility and then do the work on the transfer.
- It is proposed that the rapporteur will present the document at the next GERAN5 meeting.
- The intention from T3 was that as soon the new specification is approved for R99, T3 would ask GERAN to withdraw the old release (R96). GERAN5 noted that for the moment only the R96 specification exists, will the other releases be included in the R99 in the form of a merged specification as it is done for the other parts of 11.10?
- It was highlighted that the document contains a number of outdated and non-existing references.
- T3 mentioned that there will be an ad-hoc meeting set up to tighten up the specification. T3 further mentioned that the updated version of the specification will be presented to GERAN5.

The specification was not approved. Instead, it was agreed to draft an LS to GERAN informing about the discussion at TSG-T (see TP-020259 in section 7).

TP-020222 contains the updated T3 Terms of Reference.

- It was clarified that the mentioned work on specifying download mechanisms for applications relates to card applications only.

The ToRs were approved as presented.

TP-020235 contains a CR to TS 31.101. The CR was approved.

5.3.4 Documents for information

TP-020223 contains TS 34.131 Test Specification for 'C'-language binding to (U)SIM API, Rel-6 presented for information. It is intended to present this document for approval at T#18. The TS 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 Work Plan

TP-020225 contains the MCC review of the Work Plan at TSG #17.

- It was clarified the if somebody wants the UE split work to continue input e.g. a new WID has to be provided.
- It was clarified that small changes to 23.227 could be covered by the TEI6 work item, significant enhancements would need a new work item.

The document was noted.

TP-020224 contains the latest version of the Work Plan. The document was noted.

6.2 Other issues

TP-020228 contains CR 008 to 21.102 "Correction to list of specifications". The document was noted.

TP-020229 contains CR 001 to 21.103 "Correction to list of specifications". The document was noted.

TP-020230 contains CR 008 to 01.01 "GSM Release 1999 specifications. The document was noted.

TP-020231 contains CR 005 to 41.102 "GSM Release 4 Specifications". The document was noted.

TP-020232 contains CR 001 to 41.103 "Correction to list of specifications". The document was noted.

TP-020233 contains Specifications status list prior to TSGs#17. The document was noted.

TP-020234 contains List of specifications / releases. The document was noted.

In reply to a related question, the 3GPP specification manager clarified that a withdrawn specification stays in the specification archive directory on the 3GPP server forever. A decision not to upgrade a specification to Rel-6 doesn't mean that the Rel-5 versions disappears.

7 Liaison Statements (LS) outgoing

TP-020254 contains an LS from TSG-T to OMA on the progress of the MMS stage 3 work.

It was agreed to copy the LS to T2 and the LS was revised to TP-020258 and approved.

TP-020255 contains an LS from TSG-T to PCCA on AT command +WS46.

The LS was approved. The LS will be send to PCCA after PCG has approved the LS relation. In the meantime, the LS will be circulated to the T and T2 reflector for information. If any serious technical problems are identified then the LS will be modified on the T reflector.

TP-020256 contains the LS from T to GERAN cc T3 on TS 11.10-4 R99 SIM Application Toolkit test specification. During discussion at TSG-T#17, it is acknowledged that the test specifications for SIM Toolkit rightly are in the domain of GERAN, specifically GERAN5. It was also discussed why there were no version of this existing GSM 11.10-4 for releases later then Rel-96: Again, it was not clear to the T meeting why this is the case. Further, there might be some interaction issues with TS 51.010-2. TSG-T ask TSG-GERAN to propose a

way forward for the future development of this document, in terms of responsibility for the development and maintenance of it.

- It was clarified that the version which will be presented to GERAN5 will be an updated version.
- There was some discussion about the statement “it was not clear why T3 had made such a proposal” which was felt to be not correct.

Minor corrections were done and it was decided to copy the LS to GERAN5. The revised LS was approved as TP-020259.

8 Postponed issues from earlier in the meeting

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

9 Any Other Business

None.

10 Work Plan and Future Meeting Schedule

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

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

Meeting	Date	Host	Location
TSG-T #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	Hämeenlinna, Finland
TSG-T #21 TSG-SA #21	17 - 19 September 2003 22 - 25 September 2003		Germany
TSG-T #22 TSG-SA #22	10 - 12 December 2003 15 - 18 December 2003		US

11 Close of the meeting

The meeting was closed by the chairman at 15:30. He thanked the WG chairman for their presentations and the delegates for their work and Alcatel for their efficient arrangements and facilities. He also expressed his thanks to the MCC.

ANNEX A Approved Agenda

AGENDA

Agenda Item	Input documents (TP-020nnn)
1 Opening of the meeting (09:00 Wednesday 4 September) and IPR reminder	
2 Approval of Agenda	173
3 Approval of the meeting report from TSG-T#16	171
4 Letters and reports from other groups, LS incoming	
4.1 OP, PCG, TSG SA, TSG CN, TSG RAN, TSG GERAN	175, 180, 238
4.2 Others	
5 Reports from TSG-T Working Groups	
5.1 WG T1 Mobile Terminal Conformance Testing	
5.1.1 Reports and liaisons from TSG-T WG1	177, 181, 182, 183
5.1.2 Questions for advice and decisions on T1 issues	
5.1.3 Approval of contributions on T1 issues	184, 185, 186, 187, 189, 190, 192, 193, 194
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	174, 176, 178, 195, 196, 197, 198, 199, 200, 201, 239
5.2.2 Questions for advice and decisions on T2 issues	
5.2.3 Approval of contributions on T2 issues	202, 203, 204, 206, 237
5.2.4 Documents for information	207
5.2.5 Work programme review of T2	
5.3 WG T3 USIM	
5.3.1 Reports and liaisons from TSG-T WG3	179, 226, 236
5.3.2 Questions for advice and decisions on T3 issues	
5.3.3 Approval of contributions on T3 issues	191, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 235
5.3.4 Documents for information	223
5.3.5 Work programme review of T3	
6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA	224, 225, 227, 228, 229, 230, 231, 232, 233, 234
6.1 Release 5	
6.2 Release 6	
6.3 Other issues	
7 Liaison Statements (LS) outgoing	
8 Postponed issues from earlier in the meeting	
9 Any Other Business	
10 Future Meeting Schedule	
11 Close of the meeting (by 16:00 Friday 6 September)	

ANNEX B List of attendees

Title	Surname	Firstname	Role	Organization		Email	Status	Partner
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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	Agenda	Notes / Status
TP-020171	Report (draft) from TSG-T #16 (Marco Island, US, 5 - 7 June 2002)	TSG-T Secretary	3	revised to TP-020171 (removal of "draft")
TP-020172	<<<<reserved for Report from TSG-T #16 (Marco Island, US, 5 –7 June 2002)>>>	TSG-T Secretary	3	approved
TP-020173	Agenda (draft) for TSG-T #17 (Biarritz, 4 – 6 September 2002)	TSG-T Chairman	2	approved
TP-020174	LS from SA2 to T2 cc SA5, SA1, SA ,T on GUP DDF	SA2 (S2-022031)	5.2.1	noted (reply LS from T2 in TP-020195, disc. doc in TP-020239)
TP-020175	LS from SA4 to SA, GERAN, RAN, CN, T on Allowed AMR-WB Configurations	SA4 (S4-020481)	4.1	noted
TP-020176	LS from GSMA TWG to TSG-T, TSG-T WG2, TSG-RAN WG2 and TSG-GERAN WG2 on Unclear standardisation of AT command +WS46	GSMA TWG (Doc 195/02)	5.2.1	noted (reply LS from RAN2 in TP-020178, from GERAN in TP-020238)
TP-020177	LS from T1 to T2 cc T on Handling of SMS Type 0 test case for R'99 and REL-4 UEs	T1 (T1-020609)	5.1.1	noted (reply LS from T2 in TP-020198)
TP-020178	LS from RAN2 to GSMA TWG, T2 cc T, GERAN2 on "Unclear standardisation of an AT command in TS 27.007"	RAN2 (R2-022221)	5.2.1	noted (reply LS to TP-020176)
TP-020179	LS from T3 to T cc SCP on transfer of the ownership of 3GPP TS 42.019 from REL-6 onwards to ETSI EP SCP	T3 (T3-020634)	5.3.1	noted (T3's request endorsed)
TP-020180	Report (draft) from TSG-SA #16 (Marco Island, US, 10 - 13 June 2002)	TSG-SA Secretary	4.1	noted
TP-020181	T1 status report	T1's vice-chairman	5.1.1	noted
TP-020182	T1#16 draft report	ETSI MCC	5.1.1	noted
TP-020183	TTCN report **for approval**	ETSI MCC	5.1.1	approved
TP-020184	CRs to 34.108 **for approval**	T1	5.1.3	approved except CR 138
TP-020185	CRs to 34.121 **for approval**	T1	5.1.3	approved
TP-020186	CRs to 34.122 **for approval**	T1	5.1.3	approved
TP-020187	CRs to 34.123-1 Package 1 & 2 test cases **for approval**	T1	5.1.3	approved
TP-020188	withdrawn			-
TP-020189	CRs to 34.123-2 **for approval**	T1	5.1.3	approved
TP-020190	WI on Testing of support for IMS, Rel-5 **for approval**	T1	5.1.3	revised to TP-020246
TP-020191	CR to 31.103: Correction of Obsolete SIP RFC reference **for approval**	DynamicSoft	5.3.3	withdrawn
TP-020192	CR 211 to 34.121 R99 Correction of regional note in Annex J.1 **for approval**	ARIB	5.1.3	approved
TP-020193	CRs to 34.123-1 NON Package 1 & 2 test cases **for approval**	T1	5.1.3	approved
TP-020194	CRs to 34.123-1 related to table format **for approval**	T1	5.1.3	approved
TP-020195	LS from T2 to SA2 cc SA5, SA1, T on GUP DDF Strategic Direction	T2 (T2-020704)	5.2.1	noted (reply LS to TP-020174, disc. doc in TP-020239)
TP-020196	LS from T2 to T3 cc T on MMS UA Behaviour with Respect to Handling MMS Parameters on the USIM	T2 (T2-020811)	5.2.1	noted
TP-020197	LS from T2 to T on thoughts on the future of MExE - recommendations	T2 (T2-020807)	5.2.1	noted
TP-020198	LS from T2 to T1 cc T on Handling of SMS Type 0 test case for R'99 and REL-4 UEs	T2 (T2-020756)	5.2.1	noted (reply LS to TP-020177)
TP-020199	LS from T2 to T on TP-PID vs TP-DCS priority	T2 (T2-020770)	5.2.1	noted
TP-020200	T2 status report (slides)	T2 chairman	5.2.1	noted
TP-020201	T2#18 Velen meeting report	T2 Secretary	5.2.1	noted
TP-020202	CRs on MExE **for approval**	T2	5.2.3	approved
TP-020203	CRs on Terminal Interfaces and Capabilities **for approval**	T2	5.2.3	approved
TP-020204	CRs on SMS and CBS **for approval**	T2	5.2.3	all approved except CR011 to 23.041 (revised in TP-020252)
TP-020205	withdrawn			-
TP-020206	WID MMS enhancements **for approval**	T2	5.2.3	approved
TP-020207	TR Runtime Independent Framework Feasibility Study **for information**	T2	5.2.4	replaced by 251 (corrupted pdf)
TP-020208	Collection of CRs to TS 21.111 **for approval**	T3	5.3.3	approved
TP-020209	Collection of CRs to TS 23.048, TS 31.115 and TS 31.116 **for approval**	T3	5.3.3	approved
TP-020210	Collection of CRs to TS 31.102 **for approval**	T3	5.3.3	approved
TP-020211	CR to TS 31.103 **for approval**	T3	5.3.3	approved
TP-020212	Collection of CRs to TS 31.111 **for approval**	T3	5.3.3	approved
TP-020213	Collection of CRs to TS 31.113 **for approval**	T3	5.3.3	approved

TP-020214	CR to TS 31.114 **for approval**	T3	5.3.3	approved
TP-020215	Collection of CRs to TS 31.121 **for approval**	T3	5.3.3	approved
TP-020216	Collection of CRs to TS 31.122 **for approval**	T3	5.3.3	approved
TP-020217	Collection of CRs to TS 03.19 and TS 43.019 **for approval**	T3	5.3.3	approved
TP-020218	Collection of CRs to TS 11.11 and TS 51.011 **for approval**	T3	5.3.3	approved (51.011 015 approved subject to SA decision)
TP-020219	TS 31.131 'C'-language binding to (U)SIM API, Rel-6, **for approval**	T3	5.3.3	approved
TP-020220	TS 51.013 Test specification for SIM API for Java Card™, Rel-4, **for approval**	T3	5.3.3	noted
TP-020221	TS 11.10-4 R99 SIM Application Toolkit test specification **for approval**	T3	5.3.3	noted
TP-020222	Updated T3 Terms of Reference **for approval**	T3	5.3.3	approved
TP-020223	TS 34.131 Test Specification for 'C'-language binding to (U)SIM API, Rel-6, **for information**	T3	5.3.4	noted
TP-020224	3GPP Work Plan	MCC	6	noted
TP-020225	3GPP Work Plan [Slide Presentation]	MCC	6	noted
TP-020226	T3 report at T#17	T3	5.3.1	noted
TP-020227	CR 010 to 21.101: "Correction to list of specs"	MCC	6	whitdrawn
TP-020228	CR 008 to 21.102: "Correction to list of specs"	MCC	6	noted
TP-020229	CR 001 to 21.103: "Correction to list of specs"	MCC	6	noted
TP-020230	CR 008 to 01.01: "GSM Release 1999 specifications.	MCC	6	noted
TP-020231	CR 005 to 41.102: "GSM Release 4 Specifications"	MCC	6	noted
TP-020232	CR 001 to 41.103: "Correction to list of specs"	MCC	6	noted
TP-020233	Specs status list prior to TSGs#17	MCC	6	noted
TP-020234	List of specs / releases	MCC	6	noted
TP-020235	CR to TS 31.101 **for approval**	T3	5.3.3	approved
TP-020236	LS from T3 to T2 cc T on MMS Parameters on the USIM	T3 (T3-020701)	5.3.1	noted
TP-020237	CRs on MMS **for approval**	T2	5.2.3	approved
TP-020238	LS reply from GERAN to GSMA TWG, TSG T, T2, RAN2 regarding AT command +WS46	GERAN (GP-022743)	4.1	noted (reply LS to TP-020176)
TP-020239	thoughts on T2 compromise regarding GUP XML schema	Siemens	5.2.1	noted (related to LS in TP-020174, TP-020195)
TP-020240	LS from T1 members to OMA IOP cc OMA plenary, TSG-T, T1 on common test specifications for applications and services	T1 members (T1-020602)	5.1.1	noted
TP-020241	Mobile DRM for MMS	beep sience		noted
TP-020242	TSG-SA#16 result summary for T	T-secretary	4.1	noted
TP-020243	LS from TSG-T to PCCA on AT command +WS46	mmO2 (Kevin)	7	revised to TP-020255
TP-020244	LS from RAN to TSG-T on a proposed contribution to ITU-R WP8F on the update of Recommendation ITU-R IMT.UNWANT-MS [M.1581]	RAN (RP-020653)	4.1	noted and content endorsed to be send to ITU
TP-020245	LS from SA1 to SA cc T on Discussion on MMS configuration information	SA1 (S1-021853)	4.1	noted
TP-020246	WI on Testing of support for IMS, Rel-5 **for approval**	T1	5.1.3	approved
TP-020247	LS from GSMNA CTO Advisory Group to 3GPP SA1 cc GSMA SERG, 3GPP T3 on Storage of MMS Parameters on the SIM	GSMNA (Doc 051/02)	5.3.1	withdrawn
TP-020248	OMA meeting observation (slides)	T-chairman, Samsung	5.2.1	noted
TP-020249	Creation of Open Mobile Alliance	input to SA from several companies (SP-020418)	5.2.1	noted
TP-020250	LS from TSG-T to OMA on the progress of the MMS stage 3 work	TSG-T (Ian)		revised to TP-020254
TP-020251	TR Runtime Independent Framework Feasibility Study **for information**	T2	5.2.4	noted
TP-020252	23.041 CR011 rev 1	T2	5.2.3	approved
TP-020253	LS from RAN to TSG-T on new RAN TR collecting example RABs	RP-020664	4.1	revised to TP-020257 (because attachment missing)
TP-020254	LS from TSG-T to OMA on the progress of the MMS stage 3 work	TSG-T (Ian)		revised to TP-020258
TP-020255	LS from TSG-T to PCCA on AT command +WS46	TSG-T (Kevin)		approved
TP-020256	LS from T to GERAN cc T3 on TS 11.10-4 R99 SIM Application Toolkit test specification.	TSG-T (Nigel)		revised to TP-020259
TP-020257	LS from RAN to TSG-T on new RAN TR collecting example RABs	RP-020664	4.1	noted
TP-020258	LS from TSG-T to OMA on the progress of the MMS stage 3 work	TSG-T (Ian)		approved
TP-020259	LS from T to GERAN cc T3 on TS 11.10-4 R99 SIM Application Toolkit test specification.	TSG-T (Nigel)		approved

3GPP TSG-T (Terminals) Meeting #18
New Orleans, Louisiana, USA
4 - 6 December, 2002

TP-020260

ANNEX D List of change requests presented to TSG-T #17

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

Pleanry tdoc	TSG Statusl	Spec	CR	Rev	Rel	Subject	Cat	Version Current	Version New	WG-	WG tdoc	Workitem
TP-020184	approved	34.108	122	-	R99	Alignment of reference configurations on S-CCPCH with default system	F	3.8.0	3.9.0	T1	T1-020502	
TP-020184	approved	34.108	123	-	Rel-4	Alignment of reference configurations on S-CCPCH with default system	A	4.3.0	4.4.0	T1	T1-020503	TEI
TP-020184	approved	34.108	124	-	R99	Addition of reference compressed mode pattern	F	3.8.0	3.9.0	T1	T1-020504	
TP-020184	approved	34.108	125	-	Rel-4	Addition of reference compressed mode pattern	A	4.3.0	4.4.0	T1	T1-020505	TEI
TP-020184	approved	34.108	126	-	R99	Corrections to default message contents as T1S-020346rev1	F	3.8.0	3.9.0	T1	T1-020506	
TP-020184	approved	34.108	127	-	Rel-4	Corrections to default message contents as T1S-020347rev1	A	4.3.0	4.4.0	T1	T1-020507	TEI
TP-020184	approved	34.108	128	-	R99	Additional default message contents for RF Testing	F	3.8.0	3.9.0	T1	T1-020508	
TP-020184	approved	34.108	129	-	Rel-4	Additional default message contents for RF Testing	A	4.3.0	4.4.0	T1	T1-020509	TEI
TP-020184	approved	34.108	130	-	R99	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL	F	3.8.0	3.9.0	T1	T1-020526	
TP-020184	approved	34.108	131	-	Rel-4	Corrections related to SIB11, SIB12 and to the MEASUREMENT CONTROL	A	4.3.0	4.4.0	T1	T1-020527	TEI
TP-020184	approved	34.108	132	-	R99	Corrections to clause 6.1 (T1S-020348rev1)	F	3.8.0	3.9.0	T1	T1-020529	
TP-020184	approved	34.108	133	-	Rel-4	Corrections to clause 6.1 (T1S-020349rev1)	A	4.3.0	4.4.0	T1	T1-020530	TEI
TP-020184	approved	34.108	134	-	R99	Introduction of reference configurations on S-CCPCH and PRACH with two	F	3.8.0	3.9.0	T1	T1-020538	
TP-020184	approved	34.108	135	-	Rel-4	Introduction of reference configurations on S-CCPCH and PRACH with two	A	4.3.0	4.4.0	T1	T1-020539	TEI
TP-020184	approved	34.108	136	-	R99	Removal of reference radio bearer configurations for unidirectional streaming	F	3.8.0	3.9.0	T1	T1-020540	
TP-020184	approved	34.108	137	-	Rel-4	Removal of reference radio bearer configurations for unidirectional streaming	A	4.3.0	4.4.0	T1	T1-020541	TEI
TP-020184	rejected	34.108	138	-	Rel-5	RAB Combinations for IMS Services	F	4.3.0	5.0.0	T1	T1-020544	IMS-TEST
TP-020184	approved	34.108	139	-	R99	Some corrections and updates in clause 6.1 TS 34.108 for TDD mode	F	3.8.0	3.9.0	T1	T1-020575	
TP-020184	approved	34.108	140	-	Rel-4	Some corrections and updates in clause 6.1 for TDD mode	F	4.3.0	4.4.0	T1	T1-020576	TEI, LCRTDD
TP-020184	approved	34.108	141	-	R99	Inclusion of default message contents for RF in clause 9.2 for TDD mode	F	3.8.0	3.9.0	T1	T1-020577	
TP-020184	approved	34.108	142	-	Rel-4	Inclusion of default message contents for RF in clause 9.2 for TDD mode	F	4.3.0	4.4.0	T1	T1-020578	TEI, LCRTDD
TP-020185	approved	34.121	177	-	R99	Addition of sub clause 8.7.6.2 – UE Rx-Tx time difference type 2	F	3.9.0	3.10.0	T1	T1-020453	-
TP-020185	approved	34.121	178	-	R99	Addition of test case Cell reselection in CELL_PCH	F	3.9.0	3.10.0	T1	T1-020454	
TP-020185	approved	34.121	179	-	R99	Addition of test case Transport format combination selection in UE	F	3.9.0	3.10.0	T1	T1-020455	
TP-020185	approved	34.121	180	-	R99	Maintenance of Re-selection and handover test cases	F	3.9.0	3.10.0	T1	T1-020456	
TP-020185	approved	34.121	181	-	R99	Correction of test parameters of Handover to inter-frequency cell test case	F	3.9.0	3.10.0	T1	T1-020457	
TP-020185	approved	34.121	182	-	R99	Addition of details for RRM test case 8.7.3C (UE transmitted power)	F	3.9.0	3.10.0	T1	T1-020458	
TP-020185	approved	34.121	183	-	R99	Corrections to clause 6 and 7 for editorial errors	F	3.9.0	3.10.0	T1	T1-020459	
TP-020185	approved	34.121	184	-	R99	Correction to clause 8.2.2 Cell Re-Selection	F	3.9.0	3.10.0	T1	T1-020460	-
TP-020185	approved	34.121	185	-	R99	Correction to clause 8.3.1 FDD/FDD Soft Handover	F	3.9.0	3.10.0	T1	T1-020461	
TP-020185	approved	34.121	187	-	R99	Correction to clause 8.6.1.1 Event triggered reporting in AWGN propagation	F	3.9.0	3.10.0	T1	T1-020463	
TP-020185	approved	34.121	188	-	R99	Correction to clause 8.6.1.2 Event triggered reporting of multiple neighbours	F	3.9.0	3.10.0	T1	T1-020464	
TP-020185	approved	34.121	189	-	R99	Correction to clause 8.6.1.3 Event triggered reporting of two detectable	F	3.9.0	3.10.0	T1	T1-020465	

TP-020185	approved	34.121	190	-	R99	Correction to clause 8.6.1.4 Correct reporting of neighbours in fading	F	3.9.0	3.10.0	T1	T1-020466	
TP-020185	approved	34.121	191	-	R99	Correction to clause 8.6.2.1 Correct reporting of neighbours in AWGN	F	3.9.0	3.10.0	T1	T1-020467	
TP-020185	approved	34.121	192	-	R99	Correction to clause 8.7.1 CPICH RSCP	F	3.9.0	3.10.0	T1	T1-020468	
TP-020185	approved	34.121	193	-	R99	Correction to clause 8.7.2 CPICH Ec/Io	F	3.9.0	3.10.0	T1	T1-020469	
TP-020185	approved	34.121	194	-	R99	Correction of test case 'Rx-Tx time difference type 1'.	F	3.9.0	3.10.0	T1	T1-020470	
TP-020185	approved	34.121	195	-	R99	FDD/TDD Handover Test Case	F	3.9.0	3.10.0	T1	T1-020471	
TP-020185	approved	34.121	196	-	R99	Test Requirements for Cell Re-Selection in URA_PCH	F	3.9.0	3.10.0	T1	T1-020474	-
TP-020185	approved	34.121	197	-	R99	Correction to clause 8.3.7 Cell Re-selection in URA_PCH and Improvements	F	3.9.0	3.10.0	T1	T1-020475	
TP-020185	approved	34.121	198	-	R99	Segmented Measurement to be allowed for Inner Loop Power Control test	F	3.9.0	3.10.0	T1	T1-020476	
TP-020185	approved	34.121	199	-	R99	Correction to clause 8.4.1 RRC Re-establishment delay	F	3.9.0	3.10.0	T1	T1-020477	
TP-020185	approved	34.121	200	-	R99	Correction to clause 8.7.3 UTRA Carrier RSSI	F	3.9.0	3.10.0	T1	T1-020478	
TP-020185	approved	34.121	201	-	R99	Correction to clause 8.7.4 and 8.7.5 SFN-CFN/SFN observed time difference	F	3.9.0	3.10.0	T1	T1-020479	
TP-020185	approved	34.121	202	-	R99	Addition of a set of Compressed mode reference pattern 2 parameters	F	3.9.0	3.10.0	T1	T1-020480	
TP-020185	approved	34.121	203	-	R99	Correction of Compressed Mode Performance Requirement	F	3.9.0	3.10.0	T1	T1-020481	
TP-020185	approved	34.121	204	-	R99	Tx Power level control during Rx testing	F	3.9.0	3.10.0	T1	T1-020482	
TP-020185	approved	34.121	205	-	R99	Deletion of some suclauses from F.6.1 Statistical testing of receiver	F	3.9.0	3.10.0	T1	T1-020483	
TP-020185	approved	34.121	206	-	R99	Correction to clause 8.3.5 Cell Re-selection in CELL_FACH	F	3.9.0	3.10.0	T1	T1-020484	
TP-020185	approved	34.121	207	-	R99	Test Requirements for Cell Re-Selection in CELL-FACH	F	3.9.0	3.10.0	T1	T1-020485	
TP-020185	approved	34.121	208	-	R99	Calculation of Test Requirements for Cell Re-Selection in CELL_FACH,	F	3.9.0	3.10.0	T1	T1-020486	
TP-020185	approved	34.121	209	-	R99	Clarification of the definition of 90 % success rate	F	3.9.0	3.10.0	T1	T1-020491	
TP-020185	approved	34.121	210	-	R99	Update of test requirement derivation of Downlink compressed mode test	F	3.9.0	3.10.0	T1	T1-020492	
TP-020186	approved	34.122	104	-	R99	Message Content for TDD Handover Test Cases	F	3.8.0	3.9.0	T1	T1-020472	
TP-020186	approved	34.122	105	-	Rel-4	Message Content for TDD Handover Test Cases	A	4.4.0	4.5.0	T1	T1-020473	TEI
TP-020186	approved	34.122	106	-	R99	General corrections for power definitions and test procedures.	F	3.8.0	3.9.0	T1	T1-020487	
TP-020186	approved	34.122	107	-	Rel-4	General corrections for power definitions and test procedures.	F	4.4.0	4.5.0	T1	T1-020488	TEI, LCRTDD
TP-020186	approved	34.122	108	-	R99	Correction to Receiver Spurious Emission Test Case	F	3.8.0	3.9.0	T1	T1-020489	
TP-020186	approved	34.122	109	-	Rel-4	Correction to Receiver Spurious Emission Test Case	A	4.4.0	4.5.0	T1	T1-020490	TEI
TP-020187	approved	34.123-	260	-	Rel-5	Corrections to clause 6.1.1.4 for Package 1 (Idle Mode)	F	5.0.1	5.1.0	T1	T1-020512	TEI
TP-020187	approved	34.123-	263	-	Rel-5	Addition of ITU Band 3 reference test frequencies to Table 6.3	F	5.0.1	5.1.0	T1	T1-020515	TEI
TP-020187	approved	34.123-	265	-	Rel-5	Correction to MAC test cases 7.1.1.2 and 7.1.1.8	F	5.0.1	5.1.0	T1	T1-020517	TEI
TP-020187	approved	34.123-	266	-	Rel-5	Corrections to clause 7.2 for Package 1 test cases (RLC)	F	5.0.1	5.1.0	T1	T1-020518	TEI
TP-020187	approved	34.123-	267	-	Rel-5	Corrections to package1 test cases in clause 8.1 as T1S-020352rev1	F	5.0.1	5.1.0	T1	T1-020519	TEI
TP-020187	approved	34.123-	268	-	Rel-5	CR to package1 clause 8.2 of TS34.123-1	F	5.0.1	5.1.0	T1	T1-020520	TEI
TP-020187	approved	34.123-	269	-	Rel-5	Corrections to package 1 TCs in clause 8.4 of TS 34.123-1 as T1S-	F	5.0.1	5.1.0	T1	T1-020521	TEI
TP-020187	approved	34.123-	270	-	Rel-5	Corrections to Clause 8.1.10 for Package 2 (System Information)	F	5.0.1	5.1.0	T1	T1-020522	TEI
TP-020187	approved	34.123-	271	-	Rel-5	Corrections to clause 8.3.7.1- 8.3.7.4 for Package 2 test cases (Inter System	F	5.0.1	5.1.0	T1	T1-020523	TEI
TP-020187	approved	34.123-	274	-	Rel-5	Corrections to clause 6 for Package 2 (Idle Mode)	F	5.0.1	5.1.0	T1	T1-020528	TEI
TP-020187	approved	34.123-	275	-	Rel-5	Correction of package 2 test case in clause 8.3.1.4, SS cell update waiting	F	5.0.1	5.1.0	T1	T1-020531	TEI
TP-020187	approved	34.123-	276	-	Rel-5	Corrections to package1 test cases in clause 8.3	F	5.0.1	5.1.0	T1	T1-020532	TEI
TP-020187	approved	34.123-	277	-	Rel-5	CR to package2 clause 8.2 of TS34.123-1	F	5.0.1	5.1.0	T1	T1-020533	TEI
TP-020187	approved	34.123-	284	-	Rel-5	Clarification of package 1 and 2 RB test cases.	F	5.0.1	5.1.0	T1	T1-020545	TEI

TP-020187	approved	34.123-	285	-	Rel-5	Details of radio bearer tests in clause “14.4 Combinations on SCCPCH” and	F	5.0.1	5.1.0	T1	T1-020546	TEI
TP-020187	approved	34.123-	295	-	Rel-5	Corrections and modifications to clause 9 of Package 2 test cases (MM)	F	5.0.1	5.1.0	T1	T1-020556	TEI
TP-020187	approved	34.123-	296	-	Rel-5	Corrections to package 2 test cases in clause 8.3 (T1S-020494rev1)	F	5.0.1	5.1.0	T1	T1-020557	TEI
TP-020187	approved	34.123-	297	-	Rel-5	Corrections to package 2 TCs in clause 8.4 of TS 34.123-1 (T1S-	F	5.0.1	5.1.0	T1	T1-020558	TEI
TP-020187	approved	34.123-	299	-	Rel-5	Update of Conformance requirement in test case 11.1.1.1	F	5.0.1	5.1.0	T1	T1-020560	TEI
TP-020187	approved	34.123-	304	-	Rel-5	Modifications and corrections of GMM test case	F	5.0.1	5.1.0	T1	T1-020566	TEI
TP-020187	approved	34.123-	306	-	Rel-5	Clarifications in PDP Context deactivation test cases (revision of	F	5.0.1	5.1.0	T1	T1-020568	TEI
TP-020189	approved	34.123-	075	-	Rel-5	Correction of applicability table for secondary PDP context activation test	F	5.0.0	5.1.0	T1	T1-020562	TEI
TP-020189	approved	34.123-	076	-	Rel-5	Update of applicability of MAC and RLC test cases	F	5.0.0	5.1.0	T1	T1-020569	TEI
TP-020189	approved	34.123-	077	-	Rel-5	Correction to GMM applicability.	F	5.0.0	5.1.0	T1	T1-020570	TEI
TP-020189	approved	34.123-	078	-	Rel-5	Update of applicability tables due to changed and new test cases	F	5.0.0	5.1.0	T1	T1-020571	TEI
TP-020189	approved	34.123-	079	-	Rel-5	Clarification to applicability statements for FDD Interoperability Radio Bearer	F	5.0.0	5.1.0	T1	T1-020572	TEI
TP-020189	approved	34.123-	080	-	Rel-5	Removal of test cases for unidirectional streaming CS RABs above 64 kbps	F	5.0.0	5.1.0	T1	T1-020573	TEI
TP-020189	approved	34.123-	081	-	Rel-5	CR to RRC applicability of TS34.123-2 as T1S-020364rev1	F	5.0.0	5.1.0	T1	T1-020574	TEI
TP-020189	approved	34.123-	082	-	Rel-5	Update of Table of Applicability of tests for RRC connection mobility	F	5.0.0	5.1.0	T1	T1-020580	TEI, LCRTDD
TP-020189	approved	34.123-	083	-	Rel-5	CR to section 4 Table 1: Addition of test of short message type 0 (CS/PS)	F	5.0.0	5.1.0	T1	T1-020610	TEI
TP-020192	approved	34.121	211	-	R99	Correction of regional note in Annex J.1	F	3.9.0	3.10.0	T1	-	
TP-020193	approved	34.123-	258	-	Rel-5	Corrections to Inter-frequency measurement test cases (8.4.1.24, 8.4.1.25,	F	5.0.1	5.1.0	T1	T1-020510	TEI
TP-020193	approved	34.123-	259	-	Rel-5	Change to test case 8.4.1.31	F	5.0.1	5.1.0	T1	T1-020511	TEI
TP-020193	approved	34.123-	261	-	Rel-5	Corrections to clause 6.1.1.5 for Package 3 (Idle Mode)	F	5.0.1	5.1.0	T1	T1-020513	TEI
TP-020193	approved	34.123-	262	-	Rel-5	Corrections to clause 6.1.1.1 and 6.1.1.2 (Idle Mode)	F	5.0.1	5.1.0	T1	T1-020514	TEI
TP-020193	approved	34.123-	264	-	Rel-5	Correction to MAC clause 7.1.2.1	F	5.0.1	5.1.0	T1	T1-020516	TEI
TP-020193	approved	34.123-	272	-	Rel-5	Corrections to non-package1&2 clause 8.1	F	5.0.1	5.1.0	T1	T1-020524	TEI
TP-020193	approved	34.123-	273	-	Rel-5	CR to non-package1&2 clause 8.2 of TS34.123-1 (merging T1S-020469 and	F	5.0.1	5.1.0	T1	T1-020525	TEI
TP-020193	approved	34.123-	278	-	Rel-5	Corrections to non-package 1&2 TCs in clause 8.3 of TS 34.123-1	F	5.0.1	5.1.0	T1	T1-020534	TEI
TP-020193	approved	34.123-	279	-	Rel-5	Corrections to non-package 1&2 TCs in clause 8.4 of TS 34.123-1 (merging	F	5.0.1	5.1.0	T1	T1-020535	TEI
TP-020193	approved	34.123-	280	-	Rel-5	Additional test case for timing re-initialised inter-frequency handover	F	5.0.1	5.1.0	T1	T1-020536	TEI
TP-020193	approved	34.123-	281	-	Rel-5	Corrections to reference compressed mode pattern	F	5.0.1	5.1.0	T1	T1-020537	TEI
TP-020193	approved	34.123-	282	-	Rel-5	Introduction of test cases for additional reference configuration on S-CCPCH	F	5.0.1	5.1.0	T1	T1-020542	TEI
TP-020193	approved	34.123-	283	-	Rel-5	Removal of test cases for unidirectional streaming CS RABs above 64 kbps	F	5.0.1	5.1.0	T1	T1-020543	TEI
TP-020193	approved	34.123-	286	-	Rel-5	Corrections to package 3 RB test cases 14.2.43.1, 14.2.49.1 and 14.2.51.1.	F	5.0.1	5.1.0	T1	T1-020547	TEI
TP-020193	approved	34.123-	287	-	Rel-5	Addition of details for package 3 RB test cases	F	5.0.1	5.1.0	T1	T1-020548	TEI
TP-020193	approved	34.123-	288	-	Rel-5	Corrections to package 3 RB test cases 14.2.5a and 14.2.7a.	F	5.0.1	5.1.0	T1	T1-020549	TEI
TP-020193	approved	34.123-	289	-	Rel-5	Update of radio bearer test cases as per new RB test method	F	5.0.1	5.1.0	T1	T1-020550	TEI
TP-020193	approved	34.123-	290	-	Rel-5	Correction for test case 14.2.38.2	F	5.0.1	5.1.0	T1	T1-020551	TEI
TP-020193	approved	34.123-	291	-	Rel-5	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4	F	5.0.1	5.1.0	T1	T1-020552	TEI
TP-020193	approved	34.123-	292	-	Rel-5	New Tests for Radio Bearers 14.2.38d and 14.2.57.	F	5.0.1	5.1.0	T1	T1-020553	TEI
TP-020193	approved	34.123-	293	-	Rel-5	New tests for radio bearers 23a, 38a, 38b, 38e, 51a & 51b	F	5.0.1	5.1.0	T1	T1-020554	TEI
TP-020193	approved	34.123-	298	-	Rel-5	Additional test cases in clause 8 of TS34.123-1 as T1S-020365rev1	F	5.0.1	5.1.0	T1	T1-020559	TEI
TP-020193	approved	34.123-	300	-	Rel-5	Minor corrections and editorial modifications in clause 11.2 PDP context	F	5.0.1	5.1.0	T1	T1-020561	TEI
TP-020193	approved	34.123-	301	-	Rel-5	Addition of ICS/IXIT statement in Secondary PDP context activation	F	5.0.1	5.1.0	T1	T1-020563	TEI

TP-020193	approved	34.123-	302	-	Rel-5	Editorial corrections in test case 11.2.3.1.	F	5.0.1	5.1.0	T1	T1-020564	TEI
TP-020193	approved	34.123-	303	-	Rel-5	Test case 11.1.2: Correction in 'Test procedure'	F	5.0.1	5.1.0	T1	T1-020565	TEI
TP-020193	approved	34.123-	305	-	Rel-5	Corrections to SMS test cases in clause 16.	F	5.0.1	5.1.0	T1	T1-020567	TEI
TP-020193	approved	34.123-	307	-	Rel-5	Update of clause 8.3 for TDD mode	F	5.0.1	5.1.0	T1	T1-020579	TEI, LCRTDD
TP-020193	approved	34.123-	308	-	Rel-5	New tests for radio bearers 38c, 56 and 58	F	5.0.1	5.1.0	T1	T1-020584	TEI
TP-020193	approved	34.123-	309	-	Rel-5	CR to section 16.1.6 & 16.2.6: Addition of test of short message type 0	F	5.0.1	5.1.0	T1	T1-020608	TEI
TP-020194	approved	34.123-	294	-	Rel-5	Clause 8, editorial changes to table format	D	5.0.1	5.1.0	T1	T1-020555	TEI
TP-020202	approved	23.057	119	-	Rel-6	CC/PP section cleanup	D	6.0.0	6.1.0	T2	T2-020652	MEXE6-
TP-020202	approved	23.057	120	-	Rel-6	Adding new attributes to the JAR manifest file	C	6.0.0	6.1.0	T2	T2-020660	MEXE6-
TP-020202	approved	23.057	121	-	Rel-5	Adding new attributes to the JAR manifest file	C	5.0.0	5.1.0	T2	T2-020663	MEXE5-
TP-020203	approved	21.904	010	-	R99	CR to include references for UMTS_AMR2 Codec	F	3.4.0	3.5.0	T2	T2-020690	AMR
TP-020204	approved	23.040	061	-	Rel-5	Error in MS example error	F	5.4.0	5.5.0	T2	T2-020721	TEI5
TP-020204	approved	23.040	062	-	Rel-6	Identification of a directory number in the User Data Field	F	5.4.0	6.0.0	T2	T2-020761	TEI6
TP-020204	revised	23.041	011	-	Rel-6	Identification of a directory number in a CBS-Message-Information-Page	F	5.0.0	6.0.0	T2	T2-020762	TEI6
TP-020205	withdrawn	23.140	083	-	Rel-5	MMS UA behaviour with respect to handling MMS notification parameters	F	5.3.0	5.4.0	T2	T2-020773	MESS5-MMS
TP-020205	withdrawn	23.140	084	-	Rel-4	Handling of MMS-related information on the USIM	B	4.6.0	4.7.0	T2	T2-020774	MMS REL-4
TP-020205	withdrawn	23.140	085	-	Rel-5	Correction of MM7 Schema	F	5.3.0	5.4.0	T2	T2-020724	MESS5-MMS
TP-020205	withdrawn	23.140	086	-	Rel-5	Reference Update	F	5.3.0	5.4.0	T2	T2-020734	MESS5-MMS
TP-020205	withdrawn	23.140	087	-	Rel-5	MMS UA behaviour for handling number of MMS connectivity parameters	F	5.3.0	5.4.0	T2	T2-020735	MESS5-MMS
TP-020205	withdrawn	23.140	088	-	Rel-5	Corrections for MM7 submit request/response examples	F	5.3.0	5.4.0	T2	T2-020737	MESS5-MMS
TP-020205	withdrawn	23.140	089	-	Rel-5	Binary Encoding of MMS User Preferences for Storage on the USIM	F	5.3.0	5.4.0	T2	T2-020749	MESS5-MMS
TP-020205	withdrawn	23.140	090	-	Rel-5	Corrections towards MM7 Stage 3 examples	F	5.3.0	5.4.0	T2	T2-020766	MESS5-MMS
TP-020205	withdrawn	23.140	091	-	Rel-5	Changes to the support of MAP operations for recipient MSISDN address	F	5.3.0	5.4.0	T2	T2-020768	MESS5-MMS
TP-020205	withdrawn	23.140	092	-	Rel-5	Acknowledgements for unconfirmed transactions	F	5.3.0	5.4.0	T2	T2-020795	MESS5-MMS
TP-020205	withdrawn	23.140	093	-	Rel-5	Time stamp definition and time clarification	F	5.3.0	5.4.0	T2	T2-020797	MESS5-MMS
TP-020237	approved	23.140	083	-	Rel-5	MMS UA behaviour with respect to handling MMS notification parameters	F	5.3.0	5.4.0	T2	T2-020773	MESS5-MMS
TP-020237	approved	23.140	084	-	Rel-4	Handling of MMS-related information on the USIM	B	4.7.0	4.8.0	T2	T2-020799	MMS REL-4
TP-020237	approved	23.140	085	-	Rel-5	Correction of MM7 Schema	F	5.3.0	5.4.0	T2	T2-020724	MESS5-MMS
TP-020237	approved	23.140	086	-	Rel-5	Reference Update	F	5.3.0	5.4.0	T2	T2-020734	MESS5-MMS
TP-020237	approved	23.140	087	-	Rel-5	MMS UA behaviour for handling number of MMS connectivity parameters	F	5.3.0	5.4.0	T2	T2-020735	MESS5-MMS
TP-020237	approved	23.140	088	-	Rel-5	Corrections for MM7 submit request/response examples	F	5.3.0	5.4.0	T2	T2-020737	MESS5-MMS
TP-020237	approved	23.140	089	-	Rel-5	Binary Encoding of MMS User Preferences for Storage on the USIM	F	5.3.0	5.4.0	T2	T2-020749	MESS5-MMS
TP-020237	approved	23.140	090	-	Rel-5	Corrections towards MM7 Stage 3 examples	F	5.3.0	5.4.0	T2	T2-020766	MESS5-MMS
TP-020237	approved	23.140	091	-	Rel-5	Changes to the support of MAP operations for recipient MSISDN address	F	5.3.0	5.4.0	T2	T2-020809	MESS5-MMS
TP-020237	approved	23.140	092	-	Rel-5	Acknowledgements for unconfirmed transactions	F	5.3.0	5.4.0	T2	T2-020795	MESS5-MMS
TP-020237	approved	23.140	093	-	Rel-5	Time stamp definition and time clarification	F	5.3.0	5.4.0	T2	T2-020797	MESS5-MMS
TP-020252	approved	23.041	011	1	Rel-6	Identification of a directory number in a CBS-Message-Information-Page	F	5.0.0	6.0.0	T2		TEI6
TP-020208	approved	21.111	007	-	R99	Clarification on the use of the USIM and the SIM	F	3.3.0	3.4.0	T3	T3-020652	TEI
TP-020208	approved	21.111	008	-	Rel-4	Clarification on the use of the USIM and the SIM	A	4.0.0	4.1.0	T3	T3-020653	TEI
TP-020208	approved	21.111	009	-	Rel-5	Clarification on the use of the USIM and the SIM	A	5.0.0	5.1.0	T3	T3-020654	TEI
TP-020209	approved	23.048	020	-	Rel-5	Maximum number of channels allowed for this applet instance	F	5.3.0	5.4.0	T3	T3-020661	TEI

TP-020209	approved	23.048	021	-	Rel-5	Clarification on computation of DES in CBC mode	A	5.3.0	5.4.0	T3	T3-020672	TEI
TP-020209	approved	23.048	022	-	Rel-5	Clarification on Put Key command	F	5.3.0	5.4.0	T3	T3-020673	TEI
TP-020209	approved	23.048	023	-	Rel-5	USIM specific behaviour for Response Packets (Using SMS_PP)	F	5.3.0	5.4.0	T3	T3-020676	TEI
TP-020209	approved	23.048	024	-	Rel-5	Toolkit Access with modified secret code status	F	5.3.0	5.4.0	T3	T3-020675	TEI
TP-020209	approved	23.048	025	-	Rel-5	Clarification on letter “n” describing the length of parameters of the	F	5.3.0	5.4.0	T3	T3-020638	TEI
TP-020209	approved	23.048	026	-	Rel-5	Minimum Security Level for the Remote Management Applications and	F	5.3.0	5.4.0	T3	T3-020674	TEI
TP-020209	approved	31.115	001		Rel-6	Editorial corrections to remove some duplicate specification work	D	6.0.0	6.1.0	T3	T3-020671	TEI
TP-020209	approved	31.116	001	-	Rel-6	USIM specific behaviour for Response Packets (Using SMS-PP)	F	6.0.0	6.1.0	T3	T3-020678	TEI
TP-020210	approved	31.102	115	-	Rel-4	Clarification of UICC presence detection	F	4.5.0	4.6.0	T3	T3-020645	TEI
TP-020210	approved	31.102	116	-	Rel-5	Clarification of UICC presence detection	A	5.1.0	5.2.0	T3	T3-020646	TEI
TP-020210	approved	31.102	117	-	Rel-4	Correction and clarification of MMS features	F	4.5.0	4.6.0	T3	T3-020702	TEI
TP-020210	approved	31.102	118	-	Rel-5	Correction and clarification of MMS features	A	5.1.0	5.2.0	T3	T3-020703	TEI
TP-020210	approved	31.102	119	-	R99	Use of USIM by 3G/GSM ME	F	3.9.0	3.10.0	T3	T3-020655	TEI
TP-020210	approved	31.102	120	-	Rel-4	Use of USIM by 3G/GSM ME	A	4.5.0	4.6.0	T3	T3-020656	TEI
TP-020210	approved	31.102	121	-	Rel-5	Use of USIM by 3G/GSM ME	F	5.1.0	5.2.0	T3	T3-020657	TEI
TP-020210	approved	31.102	122	-	Rel-4	Collection of essential corrections	F	4.5.0	4.6.0	T3	T3-020704	TEI
TP-020210	approved	31.102	123	-	Rel-5	Collection of essential corrections	A	5.1.0	5.2.0	T3	T3-020705	TEI
TP-020210	approved	31.102	124	-	R99	Collection of essential corrections	F	3.9.0	3.10.0	T3	T3-020647	TEI
TP-020211	approved	31.103	001	-	Rel-5	Corrections	F	5.0.0	5.1.0	T3	T3-020665	IMS
TP-020212	approved	31.111	071		Rel-5	Reservation of a range of tag values for RFU	F	5.1.0	5.2.0	T3	T3-020636	TEI
TP-020212	approved	31.111	072	-	Rel-4	CR 31.111 Rel4 – correction of Run AT command description	D	4.7.0	4.8.0	T3	T3-020706	TEI
TP-020212	approved	31.111	073	-	Rel-5	CR 31.111 Rel5 – correction of Run AT command description	A	5.1.0	5.2.0	T3	T3-020707	TEI
TP-020213	approved	31.113	018	-	Rel-5	Reference to non existing local pages	F	5.3.0	5.4.0	T3	T3-020686	USAT1-Interpr
TP-020213	approved	31.113	019	-	Rel-6	Reference to non existing local pages	A	6.0.0	6.1.0	T3	T3-020687	USAT1-Interpr
TP-020213	approved	31.113	020	-	Rel-5	Clarification of Execute USAT Command	F	5.3.0	5.4.0	T3	T3-020688	USAT1-Interpr
TP-020213	approved	31.113	021	-	Rel-6	Clarification of Execute USAT Command	A	6.0.0	6.1.0	T3	T3-020689	USAT1-Interpr
TP-020213	approved	31.113	022	-	Rel-5	Handling of operational pull messages and post mode	F	5.3.0	5.4.0	T3	T3-020690	USAT1-Interpr
TP-020213	approved	31.113	023	-	Rel-6	Handling of operational pull messages and post mode	A	6.0.0	6.1.0	T3	T3-020691	USAT1-Interpr
TP-020213	approved	31.113	024	-	Rel-6	Terminal Response Handler Modifier exception mechanism enhancement.	B	6.0.0	6.1.0	T3	T3-020685	USAT1-Interpr
TP-020214	approved	31.114	003	-	Rel-5	Handling of operational pull messages and post mode	F	5.1.0	5.2.0	T3	T3-020692	USAT1-Interpr
TP-020215	approved	31.121	008	-	Rel-4	Correction of coding of EF ACMMax	A	4.1.0	4.2.0	T3	T3-020693	TEI
TP-020215	approved	31.121	009	-	R99	Correction of coding of EF ACMMax	F	3.2.0	3.3.0	T3	T3-020694	TEI
TP-020215	approved	31.121	010	-	Rel-4	Correction of number of bytes of EF Keys	A	4.1.0	4.2.0	T3	T3-020680	TEI
TP-020215	approved	31.121	011	-	R99	Correction of number of bytes of EF Keys	F	3.2.0	3.3.0	T3	T3-020695	TEI
TP-020215	approved	31.121	012	1	Rel-4	Defintion of short message	A	4.1.0	4.2.0	T3	T3-020714	TEI
TP-020215	approved	31.121	013	1	R99	Defintion of short message	F	3.2.0	3.3.0	T3	T3-020715	TEI
TP-020216	approved	31.122	009	-	R99	Expected remainder of returned data string	F	3.3.0	3.4.0	T3	T3-020681	TEI
TP-020216	approved	31.122	010	-	R99	Corrections and Clarifications	F	3.3.0	3.4.0	T3	T3-020682	TEI
TP-020216	approved	31.122	011	-	R99	Correction of error in read binary test case for T=0	F	3.3.0	3.4.0	T3	T3-020698	TEI
TP-020216	approved	31.122	012	-	R99	Alignement of conformance requirement due to CR 088 on 102 221	F	3.3.0	3.4.0	T3	T3-020699	TEI
TP-020216	approved	31.122	013	-	R99	Correction of case 3/case 4 command tests in case of wrong P1-P2.	F	3.3.0	3.4.0	T3	T3-020700	TEI

TP-020217	approved	03.19	A020	-	R99	Correction of incorrect integrated CR	F	8.4.0	8.5.0	T3	T3-020663	TEI
TP-020217	approved	43.019	021	-	Rel-5	Clarification of ToolkitException.HANDLER_NOT_AVAILABLE for	F	5.3.0	5.4.0	T3	T3-020658	TEI
TP-020217	approved	43.019	022	-	Rel-5	Clarification on EVENT_FIRST_COMMAND_AFTER_SELECT	F	5.3.0	5.4.0	T3	T3-020650	TEI
TP-020217	approved	43.019	023	-	Rel-5	Specification alignement with approved change requests	F	5.3.0	5.4.0	T3	T3-020649	TEI
TP-020217	approved	43.019	024	-	Rel-4	Correction of incorrect integrated CR	F	4.2.0	4.3.0	T3	T3-020662	TEI
TP-020217	approved	43.019	025	-	Rel-5	Correction of method getChannelIdentifier().	F	5.3.0	5.4.0	T3	T3-020711	TEI
TP-020217	approved	43.019	026	-	Rel-5	Clarification of handling of statusType parameter by the framework in case of	F	5.3.0	5.4.0	T3	T3-020712	TEI
TP-020217	approved	43.019	027		Rel-5	Correction of the example applet	F	5.3.0	5.4.0	T3	T3-020713	TEI
TP-020218	approved	11.11	A132	-	R99	Inconsistent record length of EF(IMG)	F	8.7.0	8.8.0	T3	T3-020716	TEI
TP-020218	approved	51.011	011	-	Rel-4	Incomplete EF_ICCID description	F	4.4.0	4.5.0	T3	T3-020640	TEI
TP-020218	approved	51.011	012	-	Rel-4	Correction of references and clarification of Scope	F	4.4.0	4.5.0	T3	T3-020670	TEI
TP-020218	approved	51.011	013	-	Rel-4	Inconsistent record length of EF(IMG)	A	4.4.0	4.5.0	T3	T3-020717	TEI
TP-020218	approved	51.011	014	-	Rel-4	Incomplete description of EFECCP	F	4.4.0	4.5.0	T3	T3-020719	TEI
TP-020218	approved	51.011	015	-	Rel-4	Introduction of MMS files and procedures	B	4.4.0	4.5.0	T3	T3-020720	MMS
TP-020235	approved	31.101	024	-	Rel-6	Increase of the ME/UICC interface speed for release 6	B	4.0.0	6.0.0	T3	T3-020669	TEI

ANNEX E List of all officials within TSG-T

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

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

ANNEX F 3GPP email lists and server information

F.1 General

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

F.2 Email lists

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

F.3 Sever location

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

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

F.4 Other useful URLs

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

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