



Technical Specification Group

TERMINALS

(TSG-T)

draft v0.5

Meeting Report of TSG-T meeting #22
Maui, Hawaii, USA, 10 - 12 December 2003

Hosted by North American Friends of 3GPP, ARIB, and TTC

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Chairman: Dr. Sang-Keun Park (Samsung)
Vice-chairmen: Ed Ehrlich (Nokia Corporation) and Kevin Holley (mmO2)
Secretary: Friedhelm Rodermund (MCC)
Host: North American Friends of 3GPP, ARIB, TTC

1 Opening of the Meeting and reminder for IPR declaration

The meeting was opened by Dr. Sang-Keun PARK at 07:00. On behalf of the hosts, Ed EHRLICH welcomed the delegates to Maui.

A list of the delegates present at the meeting can be found in annex B.

The chairman made the following call for IPRs:

The attention of the members of this Technical Specification Group is drawn 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.**

The members take note that they are hereby 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 Technical Specification Group.
- to notify the Director-General, or the 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 (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).

2 Approval of Agenda

TP-030231 contains the draft agenda for TSG-T#22. The agenda was approved and can be found in annex A of this report.

3 Approval of the meeting report from TSG-T#21 meeting

TP-030230 contains the draft report from TSG-T#21 (Frankfurt, 17 – 19 September 2003). It was approved.

4 Letters and reports from other groups, LS incoming

4.1 Reports from OP, PCG, TSG SA and others

TP-030232 contains the summary of TSG-SA#21 results related to TSG-T.
The document was noted.

TP-030233 contains the draft report of TSG-SA #21 (Frankfurt, 22 – 25 September 2003).
The report was noted without presentation.

TP-030237 contains the draft report of the 3GPP PCG Meeting#11, held in Boston, 1 October 2003. Meeting cancellation guidelines were agreed which will be incorporated into the Chairman's Survival Guide. Once firm dates and hosting arrangements have been made, a chair may only cancel a meeting providing there is general agreement within the group that the meeting would not be productive and with the consent of the relevant TSG chair. Ideally, the host should agree with this cancellation. PCG approved guidance on when to freeze a Release, noting that the final decision would be a matter of judgement taking into account the information available at that time. Additional support for Working Groups that meet more than four times per year may be provided if there is sufficient budget.

- The PCG is currently looking at the references philosophy to documents which were produced outside 3GPP.

- T-vice chairman Ed EHRLICH reported that TSG-SA Vice chairman Gary JONES has set-up a channel to the US Department of State regarding the visa issue. It is recommended that delegates start the visa-process 6-8 weeks before the visa is needed. Anybody who has followed the process and still having an problem to obtain the visa should contact Ed EHRLICH who will try to help.

The report was noted.

[TP-030236](#) contains the draft report from the Organizational Partners Meeting#10, held in Boston, 2 October 2003. The further continuation of 3GPP was confirmed by the Partners in accordance with Article 57 of the 3GPP Working Procedures. The recommendations made by 3GPP Heads of Delegation in respect of the funding model for 2004 approved by the Organizational Partners. 3GPP support budget approved by the Partners at 5275 kEUR. 3GPP specific tasks budget approved by the Partners at 754 kEUR. TSG-T received an action to determine how their TTCN resources should be allocated between the FDD and TDD modes taking into account the respective priorities of the work expressed by MRPs and GCF. A call for voluntary contributions in respect of the TTCN work being undertaken within TSG T will be issued. The recommendations made by 3GPP Heads of Delegation in respect of the funding model for 2004 approved by the Organizational Partners

The report was noted.

4.2 LSs from TSG-SA, TSG-RAN, TSG-CN, TSG-GERAN and others

[TP-030260](#) contains an LS from T1 to T cc GERAN on Consideration of emerging issues on maintenance of InterRAT test cases. The LS reports about a confused situation regarding the approval of changes to Inter-RAT tests. T1 accepts that for good reasons the TTCN is best placed in the T1 specifications, in which case the most practical solution would be to move the prose test cases back into TS 34.123-1. T WG1 asks T to reconsider the split of responsibilities for Inter-RAT prose test cases.

The LS was noted.

[TP-030240](#) contains an LS from GERAN to T1 cc T on Consideration of emerging issues on maintenance of Inter RAT test cases. With the current split of work responsibilities, test cases for Inter-RAT Handovers from GERAN to UTRAN are covered in 3GPP TS 51.010 under the responsibility of 3GPP TSG-GERAN WG3. GERAN WG3 is looking at setting up a TTCN CR Approval Process similar to the one followed in T WG1 and would kindly seek TSG T WG1's cooperation to use the current T WG1 TTCN Approval Process.

- The TSG-GERAN chairman described the details of the envisaged way of handling the issue in GERAN. GERAN will develop a process similar to the T1 TTCN approval process.

The LS was noted.

[TP-030241](#) contains an LS from TSG-SA to 3GPP2 TSG-S, 3GPP2 TSG-X, OMA TP cc TSG-T on proposed workshop on MMS Standardisation Management. TSG-SA asks 3GPP2 and OMA to consider a workshop on MMS Standardisation Management and indicate if they agree on this way forward.

The proposed workshop was held and the conclusions were reported under agenda point 6.3. The LS was noted.

[TP-030242](#) contains an LS from SA1 to TSG-T, SA2, T2, T3 on high bandwidth communication capability for USAT. SA1 confirm that the principal requirement is to provide a higher bandwidth channel to and from USAT, than that currently provided by SMS. Several additional requirements are given in the LS. SA1 agreed that this capability should be mandatory for those Rel-6 UE's that support USAT.

- It was reported that T2 discussed the issue with T3 and some of T2's comments are reflected in the LS from T3 in TP-030262.
- SA1 suggest to have the functionality mandatory in Rel-6 (conditional on support of USAT). However, BIP as a possible solution is currently optional. It was concluded that there is no need to make this mandatory.

The LS was noted.

[TP-030262](#) contains an LS reply from T3 to SA, SA1, SA2, T, T2 on MMS as a Bearer for USAT. To help clarify the issue, T3 discussed in detail the issues and requirements mentioned in the related LSs and have defined some possible use cases and their properties to allow the actions to be attributed correctly.

- It was reported that some CRs were approved at the recent SCP meeting to support the described use cases.

- Regarding use case 2, T3 suggest that the current GPRS BIP specifications allow this use case to be implemented as GPRS BIP with TCP/IP is in the USAT specification since Rel-99. T3 does however observe that there is currently no mechanism to open a channel from the network: On this issue, CRs were submitted to the recent EP SCP meeting, specifically adding "push" capability for BIP..
- Regarding use case 2, part of the SA requirements was to be able not to charge for this. For this it would be required to have a separate charging indicator which allows the operator to deliver this for free via GPRS. However, currently it cannot be concluded that this part of the requirements can be fulfilled.

The LS was noted.

[TP-030264](#) contains an LS from OMA ARC to TSG-T cc OMA DM, OMA MWG, OMA SEC, OMA BAC, OMA REQ on the use of MMS as bearer for USAT. The OMA Architecture Group recommends that TSG-T liaises with the OMA Device Management, Security, and Messaging groups in this matter.

The LS was noted.

[TP-030290](#) contains an LS from SA2 to TSG-T, T2, T3, SA1 on high bandwidth communication capability for USAT. SA2 has discussed briefly the use of MMS as a bearer for USAT and asks to take their discussion into consideration.

- It seems that SA2 has not considered all the details discussed and communicated via LS from the last TSG-T meeting e.g. regarding security in case of a downloaded client.
- It was commented that in this case it might not be appropriate for T3 asking SA1 to make the final decision. TSG-T is having a coordination role in this matter.
- It was suggested that TSG-T endorses T3's use case 2, the BIP mechanism.

The LS was noted. A LS on this matter was created in TP-030297.

[TP-030243](#) contains an LS from SA3 to T3 cc EP SCP, EP SCP WG1, 3GPP TSG T on potential USIM impact of the MBMS security framework. T3 is asked to come up with the required CRs to the relevant T3 specifications to enable MBMS key management procedures for Rel-6.

- At the last T3 meeting CRs have been proposed and forwarded to a planned ad-hoc meeting (January 2004) on this issue.

The LS was noted.

[TP-030244](#) contains an LS from SA5 to SA1 cc SA2, CN, RAN, T, GERAN, GSMA BARG/TADIG on charging aspects of Priority Service (draft TR 22.952). SA5 have analysed the charging impacts of this service and are giving several assumptions regarding the charging functionality required for the priority service.

The LS was noted.

[TP-030261](#) contains an LS from T1 to GCF SG, ETSI MCC TF 160 cc 3GPP T, GCF UAG on Release and Configuration Manager for ETSI MCC TF 160. This LS report about the developments in relation to the recruitment of a Release and Configuration Manager (RCM) to work with MCC TF 160, and the necessary action regarding funds.

The LS was noted.

[TP-030294](#) contains a document from ETSI ECN&S STF254 which includes candidates 3GPP specifications for inclusion in Art 17 list of standards. Marie-Michèle VASILIOU (ETSI) presented the document by telephone. The purpose of this document is to provide a common interpretation of the articles and therefore the requirements that have been defined within the specific Directives and the associated Commission Decisions and Recommendations that have been published in the Official Journal of the European Community. The list should only include R99 specifications and reports. If stage 1, 2 and 3 exists then only stage 3 will be put into the list. The framework directive is for services offered throughout the networks. It is for third parties service providers to have access to the network operators. The end user should have access to service and it should be his choice where to get this service. By this the EC is trying to achieve more competition. By the 8th of January a draft of the final version has to be provided and by the end of January the final version should be provided to be published in the Official Journal of the European Community. TSG-T is requested to provide feedback on the list and "underwrite" it. Marie-Michèle pointed out that it would be important to remove specifications which are not appropriate from the list.

Discussion:

- It was questioned why SMS is not on the list. This seems not to be considered as important in the context of this activity by the originators of this list. Network selection was also identified as missing.
- E.g. if there is a different quality of service regarding the precision of location. Is it expected that everybody gets access to the same QoS? No, it is not intended to change anything in the network by this activity.
- Who determines that there is sufficient interoperability ? And if not, who is responsible to fix it ?
- E.g. there are many different variants of DTMF. If there is problem of DTMF interworking from one network into another then this will have to be addressed by a working item.
- It was clarified that there are several specifications on the list which have been already removed for the next version of the list e.g. because it is part of the radio interface and not for access of the third parties to network services.
- There are four other directives related to this. One is about who should have access to the operator's network.
- It was commented that this seems to affect ETSI only and not the other 3GPP Partners. However, it's expected that the spirit behind this ETSI framework will also be taken by other regions as an example.
- It was felt that trying do this by email in a short period of time does not seem to be feasible. This has to be discussed extensively in the regions and also with the regulators.
- Another approach would be to put all R99 specifications in. Non-relevant spec could be removed after one year when the update is created. Marie-Michèle replied that this would not make sense.
- It was commented that this documents should be better handled by ETSI MSG and not by 3GPP.

The document was noted. The TSG-T chairman will discuss how to handle this request together with the other TSG-T chairs to find an harmonized reply. However, TSG-T's preference would be to handle this in ETSI MSG as it seems only to affect ETSI for the time being. This does not prevent individual companies to comment directly to ETSI ECN&S STF254 (Marie-Michèle VASILIOU).

[TP-030263](#) contains an LS from T3 to 3GPP2-TSG-C cc T on the harmonization of ISIM for 3GPP2. T3 asks 3GPP2-TSG-C to inform T3 about all the modifications to the ISIM that would be needed for 3GPP2 needs, and to confirm that 3GPP2 is defining a R-UIM application on top of the UICC. In addition, CN1 is asked if the proposed additional file would be of use to the 3GPP IMS service.

The LS was noted.

[TP-030291](#) contains an LS from SA2 to RAN, CN, SA cc T on SA2 updates of the Work Plan.

- Alain SULTAN reported that SA2's comments have been taken into account for the latest version of the workplan in TP-030234. Most of the stage 2 work in SA2 will be completed in March 2004, some items will be completed in June 2004.

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 T1

[TP-030298](#) contains the status report from T1 covering the period since the last TSG-T meeting. [TP-030277](#) contains the draft minutes from the last T1 meeting.

T1#21 was held in Budapest, Hungary 3 – 7 Nov 03 hosted by European Friends of 3GPP and attended by 59 delegates. Approximately 390 documents processed during the Plenary resulting in approximately 140 docs submitted for approval.

TTCN is now formally base-lined to March 2003 core specs.

As at Thursday 4 Dec 2003, two new TTCN test case approved by email since T#21.

5.1.1.1 RF test status

RRM progress

TR 34.902: Derivation of test tolerances for multi-cell RRM conformance tests has been drafted for initial approval. Analysis in the TR gives rise to the addition of test tolerances in 6 more RRM test cases.

The proportion of complete RRM tests is approximately 24%. Outstanding RRM test cases is still a cause for concern in T1 as completion within 9 months is necessary for subsequent validation/ approval by GCF before the end of 2004.

The RF Convener is putting into place a strategic plan to cover the work but more offers of assistance are always welcome.

The situation will be reviewed after T1#22.

800 MHz Testing

CRs to TS 34.121 introduced testing for the 800MHz band. Rapid contributions made in time for approval at T#22 in order to meet Japanese Regulatory conditions for the introduction of DS CDMA for the testing of band VI frequencies.

TS 34.122 Single Release

Single Release of TS 34.122 has been prepared for approval as a result of a T1 study into the best method of a maintaining a single release document based on Rel5 to cover R99 & Rel4 & Rel5. It has been made clear to the customer where the specs refer to the different core spec releases.

Updated versions of the R99 & Rel4 docs (for approval) contain pointers to the new (Rel5) Single Release specification.

Status of RF Specifications

The Status of RF Specifications was given. Section 8 (RRM) of TS 34.121 is only 24% complete.

5.1.1.2 Signalling test status

Status of TS 34.108 –Common Test Conditions for User Equipment (UE) Conformance Testing
Rel 5 RAB 'parked'. Routine Maintenance – mainly minor corrections

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

Corrections to prose test cases coming from issues found during the verification of the TTCN.

Recommendation to GCF to re-consider 5 PLMN and inter-RAT cell selection/ re-selection test cases from Batch 2 for calculation of completion purposes, as core specs not yet stable in CN.

Internal review of necessary tests has led to removal and addition to this spec based on gathering experience and identification of gaps

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

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

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

TTCN has now moved to March 2003 baseline. Major effort by industry to re-verify all test cases to new baseline completed in late October. Approved test cases will be published in version 3.4.0.

83 P1 test cases verified by T1 to March 2003, 22 P2 test cases verified by T1 to March 2003.

Motorola has verified internally 92 P1, 74 P2 and 43 P3 test cases against the September 2002 base line which has given rise to many corrections to the 'live' suite.

Decision made to verify on both CS & PS paths (where applicable).

All merging changes to fix code during merging to be approved by T1 and T retrospectively for full visibility and audit trail of TTCN releases.

Another 37 test cases have been submitted against the recently T1 approved delivery v3.4.0.

MCC 160 now using an automated configuration management tool and has recently procured a merging tool to assist in the delivery process.

Many (painful) lessons learnt about the challenges of regression testing an expanding ATS with each release.

Thorough review of the TTCN approval procedure (PRD T1-12) completed and includes a generic plan for regression testing in 2004.

Identified need for a specific release and configuration manager within MCC160.

Release and Configuration Manager (RCM) for MCC 160

Experience of the recent transition and regression testing demonstrated that MCC 160 would benefit from having a dedicated person to drive TTCN release and configuration management, especially as the situation is the effort of regression testing is going to increase dramatically with each new batch of verified test cases.

This conclusion was reached during the (cross-industry) GCF Progress Blockers Workshop held on 9 Oct 03.

The GCF offered to co-fund the post (up to the equivalent of 6 man-months) against certain conditions. The remaining funding is to be found from the allocation of 58 man-months already approved for MCC160; the revised break down of resources is shown in the MCC160 report.

T1 has accepted the recommendation and the GCF offer and now wants to start the process of recruiting someone to start in January 2004. T1 has already developed a detailed phased regression testing and release plan to which the RCM is fundamental.

T1 seeks T Plenary approval to the re-allocation of resources.

[TP-030278](#) contains the TTCN Project Team (160) report.

Results

The results of the TTCN Project Team work were reported.

In order to increase the TTCN maintenance capabilities and change traceability, MCC task 160 installed a chain of TTCN-2 tools for editing, analysing/compiling, merging and comparisons, the configuration management tool, and a series of working procedures for TTCN configuration management, error handling /corrections and deliveries.

TTCN in 2004

Funding:

- PCG/OP granted 58 mm as total 3GPP funding for 2004
- Up to TSG-T to decide the funding splitting for FDD / LCR TDD

T1#21 recommended:

- Ensure funding for completion of prioritised FDD test in 2004
- Reserve 6 mm for the newly installed RCM expert
- Start LCR TDD Rel-4 TTCN development on voluntary funding basis
- Ask ETSI MCC to provide the sufficient support to LCR TDD TTCN

Based on the T1 recommendations, all 3GPP funding for 2004 will be allocated to FDD TTCN.

Target is to complete all GCF high priority by late 2004.

Call for experts:

- A TTCN expert for replacement (TP-030292, sent out)
- A RCM expert (TP-030293, waiting for T decision)

LCR TDD Rel-4 TTCN

A T1 LCR TDD TTCN workshop will be organised at ETSI in the middle of January 2004.

CCSA / TD-SCDMA Alliance will provide TTCN experts as voluntary contributions.

ETSI plans to host 4 TTCN experts from CCSA who provide the project leadership, management and administration support.

[TP-030292](#) contains Collective Letter 2296 which is a call for a TTCN expert. The document was noted.

[TP-030293](#) contains Collective Letter 2297 which is a call for the RCM expert. There are no additional costs related to this post since parts of the already approved budget are shifted towards this position. The document was noted and TSG-T approved T1's request for the RCM expert.

The TTCN status report was approved including the included proposals. 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

HSDPA

Joint RF/Sig session held at T1#21 to trigger activity in HSDPA responding to questions from RAN1 and RAN2. T1 has adopted RAN proposed RB configurations as working assumption for HS-DSCH (One U/L PS

configuration for 64 kbps, One U/L PS configuration for 384 kbps, Physical channel parameters specified per UE category).

Further guidance sought from RAN2 on need for testing of alternatives specified for RLC payload sizes and the number of HARQ processes for different UE categories. Internal work plan agreed & HSDPA convener may be appointed

The Way Ahead – T1 Chair's Aspirations

The T1 chairman reported the results of T1's work compared with the targets and external objectives reported to the last TSG-T meeting. The T1 chairman's aspirations at this TSG-T meeting were:

Support to GCF for TTCN verified test cases

- Deliver minimum 95% of package 1 by mid Mar 04
- Deliver minimum 80% of package 2 by mid Mar 04
- Deliver minimum 40% of package 3 by mid Mar 04

Introduce Test Tolerance to at least 6 more of the outstanding RRM test cases

Select RCM for MCC 160 (to start work in late January 2004)

Develop strategy to include TDD LCR conformance testing into the current TTCN programme (workshop Jan 04)

T1 – Areas of Concern

Slow progress in completion of RRM test cases. This will hold up the ability of GCF companies to implement solutions thereby delaying GCF certification.

Multi-tasking of T1 secretary: Inevitably this has slowed down the reaction time between T1 delegates and the ETSI secretariat. T1 is under a lot of pressure to deliver test cases so this is becoming serious.

Misalignment of inter RAT test cases between T1 and GERAN: GERAN has responsibility for GERAN TO UTRAN HO prose tests but T1/ETSI MCC 160 is responsible for the TTCN development thus creating problems of TTCN & Prose mis-alignment. GERAN is reviewing its approval process and T1 will liaise closely to provide assistance as required.

Finally, the T1 chairman described the progress of T1 with the first successful climb of Mount Everest. The current position is the base camp and there is still a long way to go to reach the top. Intention is to reach the summit in October 2004.

During the general discussion on the T1 report, the following comments were made:

- It was suggested to create a message from TSG-T on the issue of multi-tasking of the T1-secretary. The testing and the maturing of the system is currently the most important activity going on in the industry. This should not be a bottle neck. Several delegates supported the suggestion to make a strong statement regarding the importance of the matter. 3GPP specification manager John MEREDITH raised the point that MCC's budget has been reduced and that the two experts leaving would not be replaced. Delegates felt that more resources have to be allocated to T1. Alain will do an analysis of the problem and the matter will be discussed with the Head of MCC and the T1 chairman.

The T1 progress report was noted.

5.1.1.4 LS from T1 to TSG-T

Treated under 4.2.

5.1.2 Questions for advice and decisions on T1 issues

No documents presented 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-030279](#) contains CRs to 34.108. The CRs were all approved.

[TP-030280](#) contains CRs to 34.121. CR 315 and 316 were revised in TP-030296 The CRs except CR 315 and 316 were approved.

[TP-030296](#) contains two CRs to 34.121. The CRs were approved.

[TP-030281](#) contains CRs to 34.122. The CRs were all approved.

[TP-030282](#) contains CRs to 34.123-1. The CRs were all approved.

[TP-030283](#) contains CRs to 34.123-2. The CRs were all approved.

[TP-030284](#) contains CRs to 34.123-3 (Prose part less Annex A). The CRs were all approved.

[TP-030285](#) contains one CR to 34.123-3 (Prose part in Annex A). The CRs were all approved.

[TP-030287](#) contains Updated WID Document. The changes include a review of WI progress including support for Rel 4 & Rel 5 Work Tasks. One WID to cover Conformance Testing A-GPS Rel 6 Minimum Performance Requirements has been added. This WI was also available as a separate document in TP-030288.

The document was approved.

[TP-030288](#) contains WI Sheet for new WT (A-GPS). The WID was approved.

[TP-030303](#) contains a CR 34.123-3 Correction of two SM TCs to be consistent with 34.123-1. The CR was approved.

5.1.4 Documents for information

[TP-030289](#) contains TR 34.902 v1.0.0 Derivation of test tolerances for multi-cell Radio Resource Management (RRM) conformance tests. Probably there will be a combined document for R99 and Rel-4. In that case R99 and Rel-4 documents would be produced with pointers to the Rel-5 document.

- It was clarified that a work item on HSDPA exists already.

The TR was noted.

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-030265](#) contains the T2 status report (slides) and [TP-030266](#) contains the draft report of the last T2 meeting.

5.2.1.1 Status report

T2 SWG3 and T3

Half day unofficial meeting held during T2#23 to generally discuss matters of common interest to both TSG T's at a common T2/T3 plenary venue:

- Use of MMS as bearer for USAT
- MM storage on USIM
- MMS management by USAT
- CBS in UMTS data formats

Key issues at T2#23

35 delegates attending, approx 115 Tdocs processed by TSG T2#23.

MMS WID: Two new proposed WID's for REL-6 presented to TSG T#22 for approval:

- Private addressing schemes
- Multiple Relay / Server architecture

GUP 23.241 and Common Objects 24.241. Significant progress on these TSs estimated to be 60% complete. 23.241 is presented to TSG T for information.

CBS for UMTS data formats. CRs agreed but with an objection from one company on the REL-5 CR.

SWG2 (UE Interfaces and Capabilities) Summary

TS 23.241 GUP/XML Schema and Data Description Methods 60% complete

TS 24.241 Common Objects 60% complete

SWG3 Summary (MMS)

Corrections were agreed on:

- MM1-MM4/MM7 header mapping
- clarification of the "Linked ID"
- completion of RFC822 reference clean-up
- clarification on automatic and manual retrieval modes
- MM4 addressing
- addition of missing MM7 delivery status report codes, MM7 adaptations default value

Functional enhancements were agreed on:

- conditional delivery mechanism

Other items – ongoing discussions:

- MM4 routing of MM's with multiple addresses
- MM7 enhancements
- MM storage on USIM
- Hyperlinks

SWG3 Summary (CBS)

CRs created on the CB data structure for UMTS

During the general discussion on the T2 report, the following comments were made:

- Paul VOSKAR summarized the discussion on the CBS CR (TP-030267) and explained why Nokia originally objected against the Rel-5 CR. However, they withdrew their objections at this TSG-T meeting.

The status report from T2 was noted.

5.2.1.2 LSs from T2 to TSG-T

Treated under 4.2.

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-030267](#) contains Rel-5 and Rel-6 CRs on CBS. The T2 chairman thanked the companies involved in this discussion for their efforts.

- It was reported that T3 has related CRs on this matter.
- It was clarified that T2 decided that R99 and Rel-4 CRs were not required.

The CRs were all approved.

[TP-030268](#) contains CRs on MMS.

- It was questioned whether the CR 145 is in line with the CN discussion on .gprs domain. This seems to be the case.
- CR 143/144: Would it be beneficial to have a CR to the USIM on the addition of a field to identify what is the preferred way to retrieve MMS (MM notifications are stored in the USIM from Rel-4 onwards)?

A place within the MM notification file to store the preferred way could be beneficial. Several companies supported this idea. Interested companies would have to bring contributions on this topic to the next T2 meeting.

The CRs were all approved.

[TP-030269](#) contains WID Handling of private addressing schemes in MMS.

- It was questioned why this WID was coming in very late in Rel-6 and what the justification is to include it that late. It seemed that the need for this functionality was identified only very recently.
- It was noticed that the content of this WID is very much related to use cases and service description. It was commented that the Rel-6 stage 1 is frozen and new requirements should only be added with strong justification. At least this should be discussed in SA1 first. It was reported that they are working on a similar topic.
- Concerns were expressed that if VPN support is discussed like suggested in the WID this would lead to having a fraction of a scattered solution. It was reported that SA2 has looked at some configurations related to VPN. The requirements and consequences should be fully analysed including security and architectural elements. Therefore it would be better to mention SA2 and SA3 tasks in the work item.
- It was reported that the existing approved WID MMS Enhancements contains already an item "addressing enhancements".
- It was reported that an T2 ad hoc meeting is scheduled for January on this topic (will only take place if WID is approved).
- It was suggested to have a revised work T2 work item and send an LS to SA. It was suggested to remove any connection to Rel-6 from the WID. Having Rel-6 mentioned in the WID could risk the rejection of the WID on the ground that delegates consider this as too late for Rel-6.
- The LS should mention why this is deemed important and why it should be undertaken. It should also mention the concerns on how interactions are made regarding architectural and security aspects. It is believed that SA will be doing the requirements quickly.

The WID in TP-030269 was not approved. To address the concerns about the missing architectural and security aspects and to remove the connection to Rel-6, the WID was revised in TP-030299 and a LS to TSG-SA was created in TP-030300 to inform them about the WID and ask for approval of the service related aspects.

[TP-030299](#) WID Handling of private addressing schemes in MMS for approval.

The WID was approved subject to the endorsement of the service requirements by TSG-SA.

[TP-030270](#) contains WID Multiple MMS Relay/Server Architecture. Intention is to create a Feasibility Study analysing the impacts of multiple MMS Relay/Servers in one MMSE on the MMS Reference Architecture, and investigating potential alternative architectures that support multiple MMS Relay/Servers within one MMSE which ensures backwards compatibility. The WID was approved with a minor correction in [TP-030301](#).

5.2.4 Documents for information

[TP-030271](#) contains TS 23.241 v1.0.0 Generic User Profile (GUP) – Stage 2; Data Description Method for information. The document describes the Data Description Method (DDM) and the Datatype Definition Method (DtDM) of the 3GPP Generic User Profile. It specifies the method for describing the logical structure of the data description, Generic User Profile, Profile Components, methods for describing Datatypes and other constructs for use in 3GPP. The GUP data description method is designed to coexist with other data description technologies. The document includes DDM and DtDM features and definition and Process and procedures for administration of GUP/DDM and TS 24.241. It is planned to complete this specification in March.

- It was commented that the document gives the wrong interpretation of a IMSI which is not a public identity but a private identity. The MSISDN is a public identity. A few more comments were made on the document and will be taken into account by Prem SOOD for the final version.

The document was noted.

5.2.5 Work programme review of T2

This topic was discussed under 6.3 and 7.

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

5.3.1 Reports and liaisons from T3

[TP-030245](#) contains the status report (slides) for T3.

5.3.1.1 Status report

Information from TSG-T3#29

T3#29 was attended by 35 delegates from 11 countries. 63 CRs and 1 WID were agreed; 11 LSs were agreed.

Organisational issue: T3#29 was the last meeting of Claus Dietze as secretary. From January 2004 T3 will be supported by Andrijana JURISIC.

T3 SWG API continuation: T3#29 concluded to continue with T3 SWG API at least until the closure of Rel-6.

MMS: Two Ad hoc meetings were held on the subject and further progress was made. In addition T3#29 dealt with all MMS related issues in a splinter group that was attended by several T2 delegates. The following topics were discussed: MMS storage: related CRs were postponed as an appropriate mechanism to store large files need to be available. A related LS to SCP was approved. MMS as a high bandwidth data channel: an LS on the topic was approved (see TP-030262).

USAT support: several CRs were postponed due to lack of time.

Voice Group Call Service (VGCS): T3 was informed by SA3 that SA3 work on this feature potentially has some impact on T3 and could lead to the introduction of new files/procedures on the USIM.

Cell Broadcast data download in UTRAN: CR was agreed for Rel-6. Objections to the introduction of the feature to Rel-5 were raised. T3 CRs are based on related T2 CRs that are presented for approval at this T plenary.

USSD: T3 was asked by SA1 to create CRs to the respective specifications in order to reflect the requirement to allow USSD message transfer to the SIM/USIM. As the introduction of the feature is quite complex and might affect various aspects (SAT/USAT), an LS to SA1 on the topic was approved. Further action will be taken at the next T3 meeting.

ISIM harmonization: 3GPP2 TSG-C informed T3 that they are working on the implementation of IMS/MMD for the R-UIM and that they want to base their work on the ISIM specification in TS 31.103. T3 concluded to send an LS to 3GPP2 TSG-C in order to inform them of the status of the ISIM. 3GPP2 additionally proposed a CR to TS 31.103 that would allow them to utilize this specification. T3 concluded to send an LS to CN1 and SA2 asking them if the file would also be valuable for 3GPP.

Turnaround Guardtime: The topic was again extensively discussed in T3 and a compromise was reached. A CR was agreed that adds a note to TS 31.102 and TS 31.103 for pre-Release 6. An action was given to clarify the issue for Rel-6 at the next T3 meeting.

Interface speed enhancement: A compromise was proposed to introduce D=32 mandatory for the card and D=64 mandatory for the terminal. It was concluded to leave it up to EP SCP to clarify the behaviour and to introduce a recommendation on the terminal implementation to support the fastest possible speed in case the ATR is not recognized by the terminal rather than falling back to default speed.

USIM usage for MBMS security: Several input documents were presented. T3 concluded to call for an Ad Hoc meeting to progress the work.

WLAN Interworking: 2 different proposals were discussed. One proposal was to realize the interworking by defining a separate application on the UICC the second proposal is to add a separate DF under the ADF USIM. A related LS to CN1 was sent.

ETSI EP SCP #15

Some information was provided from the recent ETSI EP SCP meeting.

A vote on the introduction of a 3rd form factor (3FF) took place. As a result it was agreed to introduce it. The final technical solution will be discussed at SCP#16.

One new technical specification was approved: ETSI TS 102 217: Transport Protocol for CAT Applications; Stage 2

Two new Work Items were approved:

- Alignment of TS 102 221 with the revision of ISO/IEC 7816-3, -4, -5, -6, -8, -9: see SCP-030472
- EAP for UICC

During the general discussion of the T3 progress report, the following comments were made:

- Nokia commented that the topic of WLAN interworking is out of the scope of T3. The T3 secretary reported that this activity is related to an approved T3 work item. The T3 progress report was noted.

This was Claus DIETZE's last meeting. The T3 chairman and TSG-T thanked Claus for the excellent work he did for T3 and ETSI SCP. Claus thanked everybody for the interesting and enjoyable time he had in 3GPP.

5.3.1.2 LSs from T3 to TSG-T

Treated under 4.2.

5.3.2 Questions for advice and decisions on T3 issues

No documents were treated under this agenda item.

5.3.3 Approval of contributions from T3

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

[TP-030246](#) contains CRs to TS 11.10-4. The CRs were all approved.

[TP-030247](#) contains CRs to TS 11.11.

- The correct use of both words "higher" and "highest" within the CR was questioned.

CR A137 was approved. CR A138 was revised in [TP-030304](#). [TP-030248](#) contains CRs to TS 51.011. The CRs were all approved except CR028 which was revised in [TP-030305](#). [TP-030249](#) contains CRs to TS 11.14. The CRs were approved.

[TP-030250](#) contains a CR to TS 51.014. The CR was approved.

[TP-030251](#) contains CRs to TS 31.102. The CRs were all except 182, 183, 184, 185 which were revised in [TP-030306](#), [TP-030307](#), [TP-030308](#), [TP-030309](#).

- It was clarified that CR 190 complements a T2 CR which was approved on video mail indication at the last meeting.

The CRs were all approved except 182, 183, 184, 185 which were revised.

[TP-030252](#) contains a CR to TS 31.103. The CR was approved.

[TP-030253](#) contains CRs to TS 31.111.

- CR 100: The question was raised if 3GPP has a definition on what a "video call" is. This seems not to be the case and therefore it might not be appropriate to use this term. It would be useful to have a note explaining where to find the definition of a video call.
- It was pointed out that CBS is implemented in GSM in most terminals but this might not be the case for WCDMA. It was suggested to add a clarification like "If ME supports CBS then it should follow the procedure below." This was not agreed.

The CRs were all approved except CR 100 who was postponed since a clarification of the term "video call" is required. T3 will deal with this CR at a later meeting. [TP-030254](#) contains a CR to TR 31.900. The CR was approved. [TP-030255](#) contains CRs to TS 31.115. The CRs were all approved. [TP-030256](#) contains a CR to TS 31.122. The CR was approved.

[TP-030257](#) contains a CR to TS 23.048. The CR was approved.

[TP-030258](#) contains CRs to TS 51.013. The CRs were all approved.

[TP-030259](#) contains Work Item Description on: USAT Conformance Test Specification. The WID was approved.

[TP-030304](#) contains a CR 11.11 A138 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

[TP-030305](#) contains a CR 51.011 CR028 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

[TP-030306](#) contains a CR 31.102 CR182 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

[TP-030307](#) contains a CR 31.102 CR183 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

[TP-030308](#) contains a CR 31.102 CR184 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

[TP-030309](#) contains a CR 31.102 CR185 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122. The CR was approved.

5.3.4 Documents for information

None.

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-030235](#) contains the MCC review of the Work Plan at TSG #22 presented by Alain SULTAN (MCC). Most of the key forthcoming Features (e.g. IMS phase 2, MBMS, MMS enhancements, MIMO, etc) will hardly be completed or definitely not be completed by March 2004. The Stage 2 is still not complete for most of these features and almost all of their Foreseen Completion Dates have been postponed 3 to 6 months during the last 6 months. Consequently, at this stage, it might still be too early to freeze the date and even the content of Release 6. A freezing date prior to June 2004 would miss the major Features that are currently defined in 3GPP.

- Alain asked if a freezing date of September would be acceptable to TSG-T. However, some comments were expressed that 3GPP should keep the pressure and not have a freezing date later than June 2004.

The work plan presentation was noted. The revised version including comments from RAN, CN and T will be available in the next SA. TSG-T did not have a consensus on a proposal for a freezing date.

[TP-030234](#) contains the latest version of the Work Plan.

The document was noted.

[TP-030275](#) contains a document giving an overview about the content of Rel-99. This document contains a high-level description of all 3GPP Release 99 Features. The intention is to have a stable version by March 2004. A document describing Release 4 will also be created. A draft version will be available at March 2004 at the earliest.

The document was noted.

6.2 Other issues

[TP-030272](#) contains a list of Rel-5 Specs not yet upgraded to Rel-6.

The document was noted.

[TP-030273](#) contains the specifications status list prior TSGs#22.

The document was noted.

[TP-030274](#) contains a list of specs for frozen releases, not yet under change control.

The documents was noted.

[TP-030302](#) contains a proposal for improving the accuracy of work planning. It can be seen by looking at the Gantt chart that almost every Feature is indicated as running late – some by as much as a year. That is, achieved progress is much less rapid not only than originally estimated but than revised at the previous TSG. The following actions are proposed to try to overcome the problems outlined in the document:

1. Time scales recorded in WIDs should be relative, not absolute. That is, rather than estimating the completion date, the WID should state the number of months required to complete it.
2. All work items should be shown as having started not on approval of the WID, but on the generation of the first subsequent contribution to the responsible Working Group.
3. In the workplan, Stage 2 work should not be targeted to start until the stage 1 work reaches at least 50 %. When Stage 1 is provided by the means of new specification(s), this means that the corresponding specification has been presented to the TSG for information.
4. In the workplan, Stage 3 work should not be targeted to start until the stage 2 work reaches at least 50 % (i.e. if applicable, corresponding new specification presented to the TSG for information).

Discussion:

- It was clarified that the actions do only apply to the way the progress is displayed in the workplan. It is not intended to delay the start of any stage 2/3 work.
- Concerns were expressed about proposal 1. Absolute time constraints may be included in the work plan.
- It was commented that another issue might be that 3GPP just moves to fast with releases.

The document was noted. John MEREDITH will present this document to TSG-SA and will keep in mind the comments made by TSG-T. TSG-T endorses this proposal in principle and asks John to take the comments made during TSG-T's discussion into account when creating a detailed proposal (CR to 21.900).

6.3 3GPP-OMA cooperation

Kevin HOLLEY presented [TP-030239](#) which includes the conclusions of the joint 3GPP/3GPP2/OMA MMS workshop held 7th November in London.

- It was commented that at the workshop there were also opinions presented against a possible work transfer. It would not be worth to do all the efforts of a transfer if there is not much work to be done after Rel-6. So far, there is no work seen after Rel-6. However, Kevin thinks it is likely that new work is coming after Rel-6.
- It was clarified that it would be for TSG-T to decide what is bearer dependent and what not.

The document was noted.

Paul VOSAKR presented [TP-030295](#) on Transfer of MMS into OMA. TSG-T is asked to consider this proposal and reach agreement on the principle and potential date for transfer of MMS into OMA.

- Regarding the proposal to agree on a potential date of the transfer, concerns were expressed that the transfer cannot take place before OMA is prepared to accept the specifications. Therefore, it could be difficult to agree on a date now. It was reported that OMA has endorsed the workshop's conclusions and is ready to start with the preparation work of the transfer. It seems to be better to keep the potential transfer date locked to the completion of Rel-6.
- The question was raised if the potential effect on TSG-T and its working groups in particular T2 should also be discussed before any decision is taken. Preferences were expressed to keep the two discussions separated.
- The conflict in the IPR policy has also to be resolved. This could be overcome in the shorter term by TSG-T keeping the specification for some time. By this, the specifications continue to be under 3GPP's IPR policy and copyrights.
- The overall scope of TSG-T is under the responsibility of TSG-T. However, the organization of the working groups is under the responsibility of TSG-T. If MMS will be removed from T2, then it could be considered to close T2 and to do the remaining technical work directly in the TSG-T plenary - accompanied by ad hoc meetings if required.
- The document does not mention where to treat the MMS related aspect of the smart card. It was suggested to transfer any MMS related smart card issues to SCP.
- The T2 chairman suggested that T2 will look at the remaining work to do and come up with a proposal on its future.

- It doesn't make sense to start any work of splitting specifications until the IPR issues are not solved. 23.140 should stay intact for that time. Later, it is assumed that OMA will create spec(s) for bearer-agnostic parts of MMS taking input from 3GPP and 3GPP2.
- A discussion about where to have future MMS requirements discussions has to take place in TSG-SA. It was commented that the proposal can only be approved if the requirement specifications are transferred.

The document was noted. During the discussion, four proposals were developed and agreed:

1. Post Release 6 technical discussions on MMS 23.140 should be moved to OMA now
2. PCG should be invited to consider IPR and copyright issues
3. Discussions on technical maintenance of 23.140 Release 6 and earlier should be moved to OMA on completion of Release 6
4. Further consideration is needed concerning transfer of ownership of 23.140 material, including splitting and rewriting specifications.

In addition, as a separate matter discussions should to begin on recommendations on future structure of T2 and possibly TSG-T. T2 is invited to have a debate and create a proposal on its future structure. Input on further details of the work transfer e.g. split of specifications are also welcome. T3 was actioned to make a proposal on where to treat MMS smart card aspects in future.

[TP-030238](#) contains the updated document on 3GPP Dependencies on OMA Deliverables which is maintained by Iain SHARP (Nortel Networks).

- Regarding several items it is mentioned "input required". The question was raised who is addressed to provide this input. It seems that the remark "input required" refers only to the field of the table and not to the work item.

The document was noted. The document will be further discussed at TSG-SA.

7 Liaison Statements (LS) outgoing

Two outgoing LSs were approved:

[TP-030297](#) contains a LS to SA, SA1, SA2, SA5, T2, T3 cc EP SCP on MMS as a Bearer for USAT. The addressed groups are asked to note TSG T's role and endorsements as outlined in the body of this document, in the discussion of wide bandwidth communication to and from the USAT.

- In the use case 1, the document suggests a possible implementation for this service could be the addition of a new Mime type to the MMS specification. It was clarified that since the LS talks only about use case 2 this MIME type solution would not be required.

The LS was approved.

[TP-030300](#) contains an LS to SA cc SA1, T2 on WID Handling of private addressing schemes in MMS.

- It was pointed out that the addressing issue might also impact CN specifications.

The LS was revised to [TP-030310](#) and approved.

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

Steve MECROW (O2) raised concerns about the security aspects of the user equipment in terms of the download of applications and viruses. An informal discussion was announced to be held after the TSG-T meeting.

11 Future Meeting Schedule

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

<http://www.3gpp.org>

Meeting	Date	Host	Location
TSG-T #23 TSG-SA #23	10 - 12 Mar 2004 15 - 17 Mar 2004	North American Friends of 3GPP	Phoenix, US
TSG-T #24 TSG-SA #24	2 - 4 Jun 2004 7 - 9 Jun 2004	TTA	Seoul, Korea
TSG-T #25 TSG-SA #25	8 - 10 Sep 2004 13 - 15 Sep 2004	North American Friends of 3GPP	Palm Springs, US
TSG-T #26 TSG-SA #26	8 - 10 Dec 2004 13 - 15 Dec 2004	European Friends of 3GPP	Athens, Greece

12 Close of the meeting

The meeting was closed by the chairman at 10:50. He thanked the WG chairman for their presentations and the delegates for their work and the North American Friends of 3GPP, ARIB and TTC for hosting the meeting. He also expressed his thanks to his vice-chairs, the TSG-T secretary and the other MCC people for their support.

ANNEX A **Approved Agenda**

Agenda Item	Input documents (TP-030nnn)
1 Opening of the meeting (07:00 Wednesday 10 December) and IPR reminder	
2 Approval of Agenda	231
3 Approval of the meeting report from TSG-T#21	230
4 Letters and reports from other groups, LS incoming 4.1 Reports from OP, PCG, TSG SA and others 4.2 LSs from TSG-SA, TSG-RAN, TSG-CN, TSG-GERAN and others	232, 233, 236, 237 240, 241, 242, 243, 244, 264, 290, 291, 294
5 Reports from TSG-T Working Groups 5.1 <i>WG T1 Mobile Terminal Conformance Testing</i> 5.1.1 Reports and liaisons from T1 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 <i>WG T2 Mobile Terminal Services and Capabilities</i> 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 (Please note that a vote might be required on CR015 to TS 23.041 Rel-5 "CB Data structure" in TP-030267) 5.2.4 Documents for information 5.2.5 Work programme review of T2 5.3 <i>WG T3 USIM</i> 5.3.1 Reports and liaisons from T3 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	260, 261, 276, 277 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 292, 293 265, 266 267, 268, 269, 270, 271 245, 262, 263 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259
6 TSG-T Project Management / Work Programme Review and Co-ordination with TSG-SA and other bodies 6.1 Release 5 6.2 Release 6 6.3 3GPP-OMA cooperation 6.4 Other issues	234, 235, 272, 273, 274, 275 238, 239, 295
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 14:00 Friday 12 December)	

ANNEX B List of attendees

Title	Firstname	Surname	Organization	Status	Partner	Role
ARIB						
Mr.	Takayuki	Arai	Fujitsu Limited	3GPPMEMBER	ARIB	
Mr.	Ohno	Koji	NTT DoCoMo Inc.	3GPPMEMBER	ARIB	
Mr.	Hisashi	Nakagomi	NTT DoCoMo Inc.	3GPPMEMBER	ARIB	WG_Chairman
Mr.	Kazuo	Nogami	Toshiba Corporation	3GPPMEMBER	ARIB	
Mr.	Hiroshi	Saito	Panasonic Mobile Comm.	3GPPMEMBER	ARIB	
Mr.	Prem	Sood	SHARP Corporation	3GPPMEMBER	ARIB	
CCSA						
Mr.	Darun	Wang	CATT	3GPPMEMBER	CCSA	
ETSI						
Mr.	Ramin	Afchar	VODAFONE Group Plc	3GPPMEMBER	ETSI	
Mr.	Niels Peter Skov	Andersen	MOTOROLA A/S	3GPPMEMBER	ETSI	
Mr.	J.	Angwra	IBM EUROPE	3GPPMEMBER	ETSI	
Mr.	Nigel	Barnes	MOTOROLA Ltd	3GPPMEMBER	ETSI	
Mr.	Patrice	Beaudou	SchlumbergerSema	3GPPMEMBER	ETSI	
Mr.	Andreas	Bertling	7 LAYERS AG	3GPPMEMBER	ETSI	
Mr.	Richard	Brook	SAMSUNG Electronics	3GPPMEMBER	ETSI	
Mr.	Phillip	Brown	3	3GPPMEMBER	ETSI	WG_Chairman
Mr.	Arthur	Cyrankiewicz	T-MOBILE DEUTSCHLAND	3GPPMEMBER	ETSI	
Mr.	Claus	Dietze	ETSI Secretariat	3GPPORG_REP	ETSI	
Mr.	Ian	Doig	MOTOROLA S.A.S	3GPPMEMBER	ETSI	

Mr.	Flaminio	Feliziani	TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI	
Mr.	Frederic	Gabin	NEC Technologies (UK) LTD	3GPPMEMBER	ETSI	
Mr.	Ian	Harris	RIM	3GPPMEMBER	ETSI	
Mr.	Kevin	Holley	mmO2 plc	3GPPMEMBER	ETSI	ViceChairman
Mr.	Andrew	Howell	MOTOROLA GmbH	3GPPMEMBER	ETSI	
Mr.	Paul	Jolivet	DoCoMo Europe S.A.	3GPPMEMBER	ETSI	
Mr.	Mikko	Kanerva	NOKIA Corporation	3GPPMEMBER	ETSI	
Ms.	Ann	Mclaughlin	Comverse Network Systems	3GPPMEMBER	ETSI	
Mr.	Bjarke	Nielsen	QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER	ETSI	
Mr.	Timo	Oikarinen	TeliaSonera AB	3GPPMEMBER	ETSI	
Mr.	Thomas	Picard	ALCATEL S.A.	3GPPMEMBER	ETSI	
Mr.	Avi	Primo	Celltick Technologies Inc.	3GPPMEMBER	ETSI	
Mr.	Friedhelm	Rodermund	ETSI Secretariat	3GPPORG_REP	ETSI	Secretary
Mr.	Thomas	Rodestrand	TeliaSonera AB	3GPPMEMBER	ETSI	
Mr.	Jean-Francois	Rubon	GEMPLUS S.A.	3GPPMEMBER	ETSI	
Mr.	Nick	Sampson	ORANGE PCS LTD	3GPPMEMBER	ETSI	
Mr.	Alain	Sultan	ETSI Secretariat	3GPPORG_REP	ETSI	
Mr.	Akihisa	Ushirokawa	NEC Electronics (Europe) GmbH	3GPPMEMBER	ETSI	
Mr.	Hans	van der Veen	NEC EUROPE LTD	3GPPMEMBER	ETSI	
Mr.	Paul	Voskar	NOKIA UK Ltd	3GPPMEMBER	ETSI	
Dr.	Jun	Yamada	Renesas Technology Europe	3GPPMEMBER	ETSI	

Mr.	Francesco	Zammarano	TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI	
OTHER						
Mr.	Veijo	Vanttinen	Microcell SA	3GPPGUEST	OTHER	Guest
T1						
Mr.	Ed	Ehrlich	Nokia Telecommunications Inc.	3GPPMEMBER	T1	ViceChairman
Mr.	Marc	Grant	Cingular Wireless LLC	3GPPMEMBER	T1	
Mr.	Stephen	Hayes	Ericsson Inc.	3GPPMEMBER	T1	
Mr.	Paul	Simmons	Nortel Networks	3GPPMEMBER	T1	
Mr.	Tak Wing	Wan	Rogers Wireless Inc.	3GPPMEMBER	T1	
TTA						
Mr.	Jan	Ellsberger	Ericsson Korea	3GPPMEMBER	TTA	
Dr.	Cheol	Kim	LG Electronics Inc.	3GPPMEMBER	TTA	
Mr.	Hee Joung	Lee	LG Electronics Inc.	3GPPMEMBER	TTA	
Dr.	Sang-Keun	Park	Samsung Electronics Co., Ltd	3GPPMEMBER	TTA	Chairman
Mr.	Hannu	Pirila	Nokia Korea	3GPPMEMBER	TTA	
Mr.	Do-Hyon	Yim	Samsung Electronics Co., Ltd	3GPPMEMBER	TTA	
TTC						
Mr.	Toshiyuki	Tamura	NEC Corporation	3GPPMEMBER	TTC	

Total: 53 Attendees

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 http://www.3gpp.org/TSG_T/TSG_T/

For allocation of document numbers for future meetings, please contact the TSG-T secretary, Friedhelm Rodermund (rodermund@etsi.org)

Tdoc	Title	Source	Agenda	Notes / Status
TP-030230	Report (draft) from TSG-T #21 (Frankfurt, 17 – 19 September 2003)	TSG-T Secretary	3	approved
TP-030231	Agenda (draft) for TSG-T #22 (Maui, 10 – 12 December 2003)	TSG-T Chairman	2	approved
TP-030232	TSG-SA#21 result summary for TSG-T	T-secretary	4.1	noted
TP-030233	Report (draft) from TSG-SA #21 (Frankfurt, 22 – 25 September 2003)	TSG-SA Secretary	4.1	noted
TP-030234	3GPP Work Plan	MCC	6	noted
TP-030235	3GPP Work Plan [Slide Presentation]	MCC	6	noted
TP-030236	Report Organizational Partners Meeting#10, Boston, 2 October 2003	OP Secretary	4.1	noted
TP-030237	Report 3GPP PCG Meeting#11, Boston, 1 October 2003	PCG Secretary	4.1	noted
TP-030238	3GPP Dependencies on OMA Deliverables	Nortel Networks	6.3	noted
TP-030239	MMS Workshop Conclusions	O2	6.3	noted
TP-030240	LS from GERAN to T1 cc T on Consideration of emerging issues on maintenance of Inter RAT test cases	GP-032721	4.2	noted
TP-030241	LS from TSG-SA to 3GPP2 TSG-S, 3GPP2 TSG-X, OMA TP cc TSG-T on proposed workshop on MMS Standardisation Management	TSGS#21(03)0554	4.2	noted
TP-030242	LS from SA1 to TSG-T, SA2, T2, T3 on high bandwidth communication capability for USAT	S1-031286	4.2	noted
TP-030243	LS from SA3 to T3 cc EP SCP, EP SCP WG1, 3GPP TSG T on potential USIM impact of the MBMS security framework	S3-030660	4.2	noted
TP-030244	LS from SA5 to SA1 cc SA2, CN, RAN, T, GERAN, GSMA BARG/TADIG on charging aspects of Priority Service (draft TR 22.952)	S5-034642	4.2	noted
TP-030245	T3 status report to T#22	T3	5.3.1	noted
TP-030246	CRs to TS 11.10-4 for approval	T3	5.3.3	approved
TP-030247	CRs to TS 11.11 for approval	T3	5.3.3	CR A137 approved, A138 revised in TP-030304
TP-030248	CRs to TS 51.011 for approval	T3	5.3.3	approved except CR028 which was revised in TP-030305
TP-030249	CRs to TS 11.14 for approval	T3	5.3.3	approved
TP-030250	CRs to TS 51.014 for approval	T3	5.3.3	approved
TP-030251	CRs to TS 31.102 for approval	T3	5.3.3	approved except A182, 183, 184, 185 which were revised in TP-030306, TP-030307, TP-030308, TP-030309
TP-030252	CRs to TS 31.103 for approval	T3	5.3.3	approved
TP-030253	CRs to TS 31.111 for approval	T3	5.3.3	approved except CR100 which was postponed
TP-030254	CRs to TR 31.900 for approval	T3	5.3.3	approved
TP-030255	CRs to TS 31.115 for approval	T3	5.3.3	approved
TP-030256	CRs to TS 31.122 for approval	T3	5.3.3	approved
TP-030257	CRs to TS 23.048 for approval	T3	5.3.3	approved
TP-030258	CRs to TS 51.013 for approval	T3	5.3.3	approved
TP-030259	Work Item Description on: USAT Conformance Test Specification for approval	T3	5.3.3	approved

TP-030260	LS from T1 to T cc GERAN on Consideration of emerging issues on maintenance of InterRAT test cases	T1-031704	5.1.1	noted
TP-030261	LS from T1 to GCF SG, ETSI MCC TF 160 cc 3GPP T, GCF UAG on Release and Configuration Manager for ETSI MCC TF 160	T1-031712	5.1.1	noted
TP-030262	LS reply from T3 to SA, SA1, SA2, T, T2 on MMS as a Bearer for USAT	T3-030928	5.3.1	noted
TP-030263	LS from T3 to 3GPP2-TSG-C cc T on the harmonization of ISIM for 3GPP2	T3-030933	5.3.1	noted
TP-030264	LS from OMA ARC to T cc OMA DM, OMA MWG, OMA SEC, OMA BAC, OMA REQ on the use of MMS as bearer for USAT	OMA-ARC-2003-0335	4.2	noted
TP-030265	T2 status report (slides)	T2 chairman	5.2.1	noted
TP-030266	T2#23 Dallas meeting report	T2 secretary	5.2.1	noted
TP-030267	CRs on CBS for approval	T2	5.2.3	approved
TP-030268	CRs on MMS for approval	T2	5.2.3	approved
TP-030269	WID Handling of private addressing schemes in MMS for approval	T2	5.2.3	revised to TP-030299
TP-030270	WID Multiple MMS Relay/Server Architecture for approval	T2	5.2.3	revised to TP-030301
TP-030271	TS 23.241 v1.0.0 Generic User Profile (GUP) – Stage 2; Data Description Method for information	T2	5.2.4	noted
TP-030272	Rel-5 Specs not yet upgraded to Rel-6	MCC	6	noted
TP-030273	status list before	MCC	6	noted
TP-030274	specs for frozen releases, not yet under change control	MCC	6	noted
TP-030275	3GPP Release 99 Overview	MCC	6	noted
TP-030276	T1 Status Report	T1 Chairman	5.1.1	revised to TP-030298
TP-030277	T1 Minutes of T1 meeting#20	MCC	5.1.1	noted
TP-030278	ETSI MCC STF 160 Report	STF 160	5.1.3	approved
TP-030279	CRs to 34.108 for approval	T1	5.1.3	approved
TP-030280	CRs to 34.121 for approval	T1	5.1.3	approved
TP-030281	CRs to 34.122 for approval	T1	5.1.3	approved
TP-030282	CRs to 34.123-1 for approval	T1	5.1.3	approved
TP-030283	CRs to 34.123-2 for approval	T1	5.1.3	approved
TP-030284	CRs to 34.123-3 (Prose part less Annex A) for approval	T1	5.1.3	approved
TP-030285	CRs to 34.123-3 (Prose part in Annex A) for approval	MCC	5.1.3	approved
TP-030286	CRs to 34.123-3 (TTCN only) for approval	T1	5.1.3	withdrawn
TP-030287	Updated WID Document for approval	T1	5.1.3	approved
TP-030288	WI Sheet for new WT (A-GPS) for approval	T1	5.1.3	approved
TP-030289	TR 34.902 v1.0.0 for approval	T1	5.1.3	noted
TP-030290	LS from SA2 to TSG-T, T2, T3, SA1 on high bandwidth communication capability for USAT	S2-034364	4.2	noted
TP-030291	LS from SA2 to RAN, CN, SA cc T on SA2 updates of the Work Plan	S2-034367	4.2	noted
TP-030292	CL 2296 Call for TTCN expert	STF 160	5.1.4	noted
TP-030293	CL 2297 Call for RCM expert	STF 160	5.1.4	noted (request approved)
TP-030294	Candidates 3GPP specifications for inclusion in Art 17 list of standards	ETSI ECN&S STF254	4.2	noted
TP-030295	Transfer of MMS into OMA	Nokia	6.3	noted
TP-030296	CRs to 34.121 for approval	T1	5.1.3	approved
TP-030297	LS to SA, SA1, SA2, SA5, T2, T3 on EP SCP on MMS as a Bearer for USAT	TSG-T (Nigel)	7	approved
TP-030298	T1 Status Report	T1 Chairman	5.1.1	noted
TP-030299	WID Handling of private addressing schemes in MMS for approval	T2	5.2.3	approved
TP-030300	LS to SA cc SA1, T2 on WID Handling of private addressing schemes in MMS	TSG-T (Ian)	7	revised to TP-030310
TP-030301	WID Multiple MMS Relay/Server Architecture for approval	T2	5.2.3	approved
TP-030302	Proposal for improving the accuracy of work planning	MCC	6	noted (proposal endorsed in principle)
TP-030303	CR 34.123-3 Correction of two SM TCs to be consistent with 34.123-1	T1	5.1.3	approved
TP-030304	CR 11.11 A138 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030305	CR 51.011 CR028 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030306	CR 31.102 CR182 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030307	CR 31.102 CR183 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030308	CR 31.102 CR184 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030309	CR 31.102 CR185 rev1 Alignment of EF-HPLMN Search Period with 22.011 and 23.122	T3	5.3.3	approved
TP-030310	LS to SA cc SA1, T2 on WID Handling of private addressing schemes in MMS	TSG-T (Ian)	7	approved

ANNEX D List of change requests presented to TSG-T #22

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	Phase	Cat	Meeting-1st-Level	Plenary doc	WG doc	TSG status	Subject	CR written to	Resulting vers	WG	Workitem
34.108	251	1	Rel-4	F	TP-22	TP-030279	T1-031659	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	252	1	Rel-4	F	TP-22	TP-030279	T1-031660	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	253	1	Rel-4	F	TP-22	TP-030279	T1-031661	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	254	1	Rel-4	F	TP-22	TP-030279	T1-031662	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	255	1	Rel-4	F	TP-22	TP-030279	T1-031663	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	256	1	Rel-4	F	TP-22	TP-030279	T1-031664	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	257	1	Rel-4	F	TP-22	TP-030279	T1-031665	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	258	1	Rel-4	F	TP-22	TP-030279	T1-031666	approved	Addition of Default message contents for TDD	4.8.0	4.9.0	T1	TEI4
34.108	259	2	R99	F	TP-22	TP-030279	T1-031595	approved	CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	3.13.0	3.14.0	T1	TEI
34.108	260	2	Rel-4	A	TP-22	TP-030279	T1-031596	approved	CR on PAGING TYPE 1, RRC CONNECTION REQUEST and RRC CONNECTION SETUP messages for MT RR Connection	4.8.0	4.9.0	T1	TEI4
34.108	261	-	R99	F	TP-22	TP-030279	T1-031380	approved	CR 34.108 R99: EFRPLMNACT (RPLMN Last used Access Technology) removed	3.13.0	3.14.0	T1	TEI
34.108	262	-	Rel-4	A	TP-22	TP-030279	T1-031381	approved	CR 34.108 Rel-4: EFRPLMNACT (RPLMN Last used Access Technology) removed	4.8.0	4.9.0	T1	TEI4
34.108	263	1	R99	F	TP-22	TP-030279	T1-031546	approved	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	3.13.0	3.14.0	T1	TEI
34.108	264	1	Rel-4	A	TP-22	TP-030279	T1-031547	approved	Update of default messages for RRC CONNECTION SETUP and SECURITY MODE COMMAND	4.8.0	4.9.0	T1	TEI4
34.108	265	1	R99	F	TP-22	TP-030279	T1-031644	approved	Description and corrections of channels for minimum performance levels, TDD mode.	3.13.0	3.14.0	T1	TEI
34.108	266	1	Rel-4	A	TP-22	TP-030279	T1-031645	approved	Description and corrections of channels for minimum performance levels, TDD mode.	4.8.0	4.9.0	T1	TEI4
34.108	267	1	R99	B	TP-22	TP-030279	T1-031554	approved	Test frequencies of UMTS800MHz band VI	3.13.0	3.14.0	T1	TEI
34.108	268	1	Rel-4	A	TP-22	TP-030279	T1-031555	approved	Test frequencies of UMTS800MHz band VI	4.8.0	4.9.0	T1	TEI4
34.108	269	-	Rel-4	F	TP-22	TP-030279	T1-031441	approved	CR 34.108 Rel-4: Addition of Bearer combination for Interactive/background UL 64 kbps DL 768 kbps for Rel-5	4.8.0	4.9.0	T1	TEI4
34.108	270	1	R99	F	TP-22	TP-030279	T1-031609	approved	Update of generic test procedure for TX, RX and Performance Requirement	3.13.0	3.14.0	T1	TEI
34.108	271	1	Rel-4	A	TP-22	TP-030279	T1-031610	approved	Update of generic test procedure for TX, RX and Performance Requirement	4.8.0	4.9.0	T1	TEI4
34.108	272	1	R99	F	TP-22	TP-030279	T1-031607	approved	Introduction of generic test procedure for RRM handover test cases	3.13.0	3.14.0	T1	TEI
34.108	273	1	Rel-4	A	TP-22	TP-030279	T1-031608	approved	Introduction of generic test procedure for RRM handover test cases	4.8.0	4.9.0	T1	TEI4
34.108	274	-	R99	F	TP-22	TP-030279	T1-031451	approved	Correction of CM TGD parameter	3.13.0	3.14.0	T1	TEI
34.108	275	1	Rel-4	A	TP-22	TP-030279	T1-031591	approved	Correction of CM TGD parameter	4.8.0	4.9.0	T1	TEI4

34.108	276	-	R99	F	TP-22	TP-030279	T1-031470	approved	Corrections to default message contents of Radio Bearer Release	3.13.0	3.14.0	T1	TEI
34.108	277	1	Rel-4	F	TP-22	TP-030279	T1-031594	approved	Corrections to default message contents of Radio Bearer Release	4.8.0	4.9.0	T1	TEI4
34.108	278	1	R99	F	TP-22	TP-030279	T1-031597	approved	Modification to default DPCH_Power_offset value	3.13.0	3.14.0	T1	TEI
34.108	279	1	Rel-4	A	TP-22	TP-030279	T1-031598	approved	Modification to default DPCH_Power_offset value	4.8.0	4.9.0	T1	TEI4
34.108	282	-	R99	F	TP-22	TP-030279	T1-031526	approved	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	3.13.0	3.14.0	T1	TEI
34.108	283	-	Rel-4	A	TP-22	TP-030279	T1-031527	approved	Correction of TFCS for radio bearer combination 6.10.2.4.1.51b	4.8.0	4.9.0	T1	TEI4
34.121	298	-	Rel-5	F	TP-22	TP-030280	T1-031356	approved	CR to 34.121: Correction to Inter-system Handover from UTRAN FDD to GSM	5.1.1	5.2.0	T1	TEI5
34.121	299	-	Rel-5	F	TP-22	TP-030280	T1-031357	approved	CR to 34.121: Correction to Power control in DL, initial convergence test case	5.1.1	5.2.0	T1	TEI5
34.121	300	1	Rel-5	F	TP-22	TP-030280	T1-031561	approved	Introduction of reference to RRM test tolerances TR	5.1.1	5.2.0	T1	TEI5
34.121	301	1	Rel-5	F	TP-22	TP-030280	T1-031562	approved	Introduction of Test Tolerances to Cell Reselection tests 8.2.2.1 & 8.2.2.2	5.1.1	5.2.0	T1	TEI5
34.121	302	1	Rel-5	F	TP-22	TP-030280	T1-031563	approved	Introduction of Test Tolerances to Cell Re-selection in CELL_PCH tests 8.3.6.1 & 8.3.6.2	5.1.1	5.2.0	T1	TEI5
34.121	303	1	Rel-5	F	TP-22	TP-030280	T1-031565	approved	Clarification of Downlink Physical Channel in table E.3.1	5.1.1	5.2.0	T1	TEI5
34.121	304	1	Rel-5	F	TP-22	TP-030280	T1-031605	approved	CR to 34.121: Correction to FDD/FDD Soft Handover test case	5.1.1	5.2.0	T1	TEI5
34.121	306	1	Rel-5	F	TP-22	TP-030280	T1-031627	approved	Correction to F.1.5 Requirements for support of RRM	5.1.1	5.2.0	T1	TEI5
34.121	307	2	Rel-5	F	TP-22	TP-030280	T1-031613	approved	Addition of two new test cases; 7.11 (Demodulation of paging channel (PCH)) and 7.12 (Detection of acquisition indicator (AI)).	5.1.1	5.2.0	T1	TEI5
34.121	308	1	Rel-5	F	TP-22	TP-030280	T1-031606	approved	Correction to RRM test case 8.3.5.3	5.1.1	5.2.0	T1	TEI5
34.121	309	1	Rel-5	F	TP-22	TP-030280	T1-031566	approved	FDD inter-frequency cell identification and measurement reporting test case	5.1.1	5.2.0	T1	TEI5
34.121	310	1	Rel-5	F	TP-22	TP-030280	T1-031567	approved	Changes to section 8.4.3, TFC selection requirements for codec mode switch	5.1.1	5.2.0	T1	TEI5
34.121	311	1	Rel-5	F	TP-22	TP-030280	T1-031624	approved	Performance requirement for HSDPA skeleton section added	5.1.1	5.2.0	T1	TEI5
34.121	312	1	Rel-5	F	TP-22	TP-030280	T1-031625	approved	New test requirements for Demodulation of HS-DSCH (fixed reference channel) single link performance	5.1.1	5.2.0	T1	TEI5
34.121	313	1	Rel-5	F	TP-22	TP-030280	T1-031626	approved	New test requirements for reporting of HS-DSCH Channel Quality Indicator (CQI) AWGN propagation conditions	5.1.1	5.2.0	T1	TEI5
34.121	314	1	Rel-5	B	TP-22	TP-030280	T1-031551	approved	Correction of clause 4.2 Frequency bands	5.1.1	5.2.0	T1	TEI5
34.121	315	1	Rel-5	B	TP-22	TP-030280	T1-031552	approved	Clause 4.4 Channel arrangement for DS-CDMA Introduction in the 800 MHz Band	5.1.1	5.2.0	T1	TEI5
34.121	315	2	Rel-5	B	TP-22	TP-030296	T1-032002	approved	Clause 4.4 Channel arrangement for DS-CDMA Introduction in the 800 MHz Band	5.1.1	5.2.0	T1	TEI5
34.121	316	1	Rel-5	B	TP-22	TP-030280	T1-031553	approved	DS-CDMA Introduction in the 800 MHz Band	5.1.1	5.2.0	T1	TEI5
34.121	316	2	Rel-5	B	TP-22	TP-030296	T1-032003	approved	DS-CDMA Introduction in the 800 MHz Band	5.1.1	5.2.0	T1	TEI5
34.121	317	1	Rel-5	B	TP-22	TP-030280	T1-031556	approved	Correction and maintenance of Annex H and DS-CDMA Introduction in the 800 MHz Band	5.1.1	5.2.0	T1	TEI5
34.121	318	1	Rel-5	F	TP-22	TP-030280	T1-031604	approved	Correction of clause 8.7.3C UE transmitted power	5.1.1	5.2.0	T1	TEI5
34.121	319	-	Rel-5	F	TP-22	TP-030280	T1-031445	approved	Correction to RRM test case 8.3.2.1	5.1.1	5.2.0	T1	TEI5
34.121	320	1	Rel-5	F	TP-22	TP-030280	T1-031612	approved	Update of initial conditions for RF test cases	5.1.1	5.2.0	T1	TEI5
34.121	321	1	Rel-5	F	TP-22	TP-030280	T1-031611	approved	12.2 kbit/s RMC is insufficient for BLER testing	5.1.1	5.2.0	T1	TEI5
34.121	324	1	Rel-5	F	TP-22	TP-030280	T1-031570	approved	Test requirements for RRM CPICH_Ec/Io Intra Frequency Measurement	5.1.1	5.2.0	T1	TEI5
34.121	325	1	Rel-5	F	TP-22	TP-030280	T1-031571	approved	Test requirements for RRM CPICH_Ec/Io Inter Frequency Measurement	5.1.1	5.2.0	T1	TEI5
34.121	327	1	Rel-5	F	TP-22	TP-030280	T1-031568	approved	Test requirements for RRM CPICH RSCP Intra Frequency Measurement	5.1.1	5.2.0	T1	TEI5
34.121	328	1	Rel-5	F	TP-22	TP-030280	T1-031569	approved	Test requirements for RRM CPICH RSCP Inter Frequency Measurement	5.1.1	5.2.0	T1	TEI5

34.121	329	-	Rel-5	F	TP-22	TP-030280	T1-031564	approved	Introduction of Test Tolerances to Cell Re-selection in URA_PCH tests 8.3.7.1 & 8.3.7.2	5.1.1	5.2.0	T1	TEI5
34.121	330	1	Rel-5	F	TP-22	TP-030280	T1-031692	approved	Correction on Random Access test cases	5.1.1	5.2.0	T1	TEI5
34.121	331	-	Rel-5	F	TP-22	TP-030280	T1-031652	approved	Correction to W-CDMA modulated interferer definition	5.1.1	5.2.0	T1	TEI5
34.121	332	-	Rel-5	F	TP-22	TP-030280	T1-031694	approved	Addition to Scope clause to clarify applicability of tests to Releases	5.1.1	5.2.0	T1	TEI5
34.122	181	1	Rel-4	F	TP-22	TP-030281	T1-031615	approved	Addition of LCR GSM neighbour reporting	4.9.0	4.10.0	T1	TEI4
34.122	182	1	Rel-4	F	TP-22	TP-030281	T1-031616	approved	Addition of LCR GSM handover test	4.9.0	4.10.0	T1	TEI4
34.122	183	1	Rel-4	F	TP-22	TP-030281	T1-031617	approved	Update to LCR GSM RSSI measurement	4.9.0	4.10.0	T1	TEI4
34.122	184	1	Rel-4	F	TP-22	TP-030281	T1-031618	approved	Update to inter frequency measurements	4.9.0	4.10.0	T1	TEI4
34.122	185	1	Rel-4	F	TP-22	TP-030281	T1-031619	approved	Correction of LCR ISCP test case	4.9.0	4.10.0	T1	TEI4
34.122	186	1	Rel-5	B	TP-22	TP-030281	T1-031620	approved	Addition of TDD HSDPA section & creation Rel 5	4.9.0	5.0.0	T1	TEI5
34.122	187	1	Rel-5	B	TP-22	TP-030281	T1-031621	approved	HSDPA HS DSCH throughput (fixed and variable)	4.9.0	5.0.0	T1	TEI5
34.122	188	1	Rel-5	B	TP-22	TP-030281	T1-031622	approved	Addition of Reporting of HS DSCH CQI	4.9.0	5.0.0	T1	TEI5
34.122	189	1	Rel-5	B	TP-22	TP-030281	T1-031623	approved	Addition of HS-SCCH Detection Performance	4.9.0	5.0.0	T1	TEI5
34.122	190	-	R99	D	TP-22	TP-030281	T1-032000	approved	Replace technical content by pointer to Rel-5 version	3.11.0	3.12.0	T1	TEI
34.122	191	-	Rel-4	D	TP-22	TP-030281	T1-032001	approved	Replace technical content by pointer to Rel-5 version	4.9.0	4.10.0	T1	TEI4
34.123-1	584	1	Rel-5	F	TP-22	TP-030282	T1-031667	approved	Section 7.1.1: correction of coding of the Target Channel Type Field on FACH for TDD	5.5.0	5.6.0	T1	TEI5
34.123-1	591	2	Rel-5	F	TP-22	TP-030282	T1-031679	approved	Clarifications in low priority test case 11.1.2 PDP context activation requested by the network, successful and unsuccessful	5.5.0	5.6.0	T1	TEI5
34.123-1	592	1	Rel-5	F	TP-22	TP-030282	T1-031488	approved	Maintenance of low priority test case 11.2.1 Network initiated PDP context modification	5.5.0	5.6.0	T1	TEI5
34.123-1	593	1	Rel-5	F	TP-22	TP-030282	T1-031640	approved	P2 Inter-system handover	5.5.0	5.6.0	T1	TEI5
34.123-1	594	1	Rel-5	F	TP-22	TP-030282	T1-031641	approved	P4 Inter-system handover	5.5.0	5.6.0	T1	TEI5
34.123-1	595	1	Rel-5	F	TP-22	TP-030282	T1-031682	approved	CR on Package 1 SM test case 11.1.1.1 Attach initiated by context activation/QoS Offered by Network is the QoS Requested	5.5.0	5.6.0	T1	TEI5
34.123-1	596	1	Rel-5	F	TP-22	TP-030282	T1-031696	approved	CR on Package 1 SM test cases 11.3.1 PDP context deactivation initiated by the UE and 11.3.2 PDP context deactivation initiated by the UE	5.5.0	5.6.0	T1	TEI5
34.123-1	598	1	Rel-5	F	TP-22	TP-030282	T1-031634	approved	P2 Idle Mode 6.2.1.1	5.5.0	5.6.0	T1	TEI5
34.123-1	599	1	Rel-5	F	TP-22	TP-030282	T1-031657	approved	CR 34.123-1 Rel-5: 12.4.2.4 Combined routing area updating / rejected / PLMN not allowed	5.5.0	5.6.0	T1	TEI5
34.123-1	600	3	Rel-5	F	TP-22	TP-030282	T1-031681	approved	CR 34.123-1 Rel-5: 12.4.2.5a Combined routing area updating / rejected / roaming not allowed in this location area	5.5.0	5.6.0	T1	TEI5
34.123-1	601	1	Rel-5	F	TP-22	TP-030282	T1-031631	approved	New RLC test case on reconfiguration of RLC parameters by upper layers	5.5.0	5.6.0	T1	TEI5
34.123-1	602	-	Rel-5	F	TP-22	TP-030282	T1-031390	approved	New RRC test cases on Paging	5.5.0	5.6.0	T1	TEI5
34.123-1	603	1	Rel-5	F	TP-22	TP-030282	T1-031599	approved	Removal of session management test cases on QoS negotiation (Package 3+4)	5.5.0	5.6.0	T1	TEI5
34.123-1	604	1	Rel-5	F	TP-22	TP-030282	T1-031632	approved	Introduction of test cases on A-GPS positioning	5.5.0	5.6.0	T1	TEI5
34.123-1	605	1	Rel-5	F	TP-22	TP-030282	T1-031668	approved	Removal of Low priority RRC Measurement test cases	5.5.0	5.6.0	T1	TEI5
34.123-1	606	1	Rel-5	F	TP-22	TP-030282	T1-031672	approved	New RRC test case on soft handover for multiple radio links	5.5.0	5.6.0	T1	TEI5
34.123-1	607	1	Rel-5	F	TP-22	TP-030282	T1-031587	approved	Corrections to RRC test cases affected by NAS timer T3317	5.5.0	5.6.0	T1	TEI5
34.123-1	608	1	Rel-5	F	TP-22	TP-030282	T1-031635	approved	Updates to 6.2 series test cases	5.5.0	5.6.0	T1	TEI5
34.123-1	609	1	Rel-5	F	TP-22	TP-030282	T1-031646	approved	Corrections and updates on 8.1 RRC Connection Management Procedure for	5.5.0	5.6.0	T1	TEI5

									TDD mode				
34.123-1	610	1	Rel-5	F	TP-22	TP-030282	T1-031647	approved	Corrections and updates on 8.1.6 RRC Connection Management Procedure for TDD mode, Direct Transfer	5.5.0	5.6.0	T1	TEI5
34.123-1	611	1	Rel-5	F	TP-22	TP-030282	T1-031648	approved	Corrections and updates on 8.2.1 Radio Bearer control procedure, Radio Bearer Establishment for TDD mode	5.5.0	5.6.0	T1	TEI5
34.123-1	612	1	Rel-5	F	TP-22	TP-030282	T1-031649	approved	Corrections and updates on 8.2.2 Radio Bearer control procedure, Radio Bearer Reconfiguration for TDD mode	5.5.0	5.6.0	T1	TEI5
34.123-1	613	1	Rel-5	F	TP-22	TP-030282	T1-031650	approved	Correction of references for section 18, RAB testing of TDD 1.28 Mcps option	5.5.0	5.6.0	T1	TEI5
34.123-1	614	-	Rel-5	F	TP-22	TP-030282	T1-031425	approved	CR to 34.123-1 R5; Delay between activation and deactivation of compressed mode in package 4 test case 8.4.1.43	5.5.0	5.6.0	T1	TEI5
34.123-1	616	-	Rel-5	F	TP-22	TP-030282	T1-031708	approved	Modification for GMM test cases	5.5.0	5.6.0	T1	TEI5
34.123-1	617	-	Rel-5	F	TP-22	TP-030282	T1-031442	approved	CR 34.123-1 Rel-5: P3 TC 8.4.1.28 Measurement Control and Report: UE internal measurement for events 6F and 6G	5.5.0	5.6.0	T1	TEI5
34.123-1	618	-	Rel-5	F	TP-22	TP-030282	T1-031443	approved	CR 34.123-1 Rel-5: Removal of P3 TC 10.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	5.5.0	5.6.0	T1	TEI5
34.123-1	619	-	Rel-5	F	TP-22	TP-030282	T1-031453	approved	General correction of CM TGD parameter	5.5.0	5.6.0	T1	TEI5
34.123-1	621	2	Rel-5	F	TP-22	TP-030282	T1-031642	approved	Modification to RRC TC 8.3.3.1 – Assign different C-RNTI in UTRAN MOBILITY INFORMATION	5.5.0	5.6.0	T1	TEI5
34.123-1	622	1	Rel-5	F	TP-22	TP-030282	T1-031577	approved	Correction to RRC P1 test case 8.1.1.8	5.5.0	5.6.0	T1	TEI5
34.123-1	623	2	Rel-5	F	TP-22	TP-030282	T1-031686	approved	Correction to RRC P2 test case 8.4.1.17	5.5.0	5.6.0	T1	TEI5
34.123-1	624	-	Rel-5	F	TP-22	TP-030282	T1-031474	approved	Correction to GMM P2 test case 12.4.2.2	5.5.0	5.6.0	T1	TEI5
34.123-1	625	-	Rel-5	F	TP-22	TP-030282	T1-031475	approved	Correction to GMM P4 test case 12.4.1.4c	5.5.0	5.6.0	T1	TEI5
34.123-1	626	1	Rel-5	F	TP-22	TP-030282	T1-031655	approved	CR for P1 test cases 8.3.4.1 and 8.4.1.1	5.5.0	5.6.0	T1	TEI
34.123-1	628	-	Rel-5	F	TP-22	TP-030282	T1-031494	approved	Package 3 test case 8.3.2.11	5.5.0	5.6.0	T1	TEI5
34.123-1	629	2	Rel-5	F	TP-22	TP-030282	T1-031688	approved	Package 1 test case 8.1.2.2	5.5.0	5.6.0	T1	TEI5
34.123-1	630	-	Rel-5	F	TP-22	TP-030282	T1-031496	approved	Low priority test cases 8.2.5.4	5.5.0	5.6.0	T1	TEI5
34.123-1	631	1	Rel-5	F	TP-22	TP-030282	T1-031582	approved	Traffic volume measurement test cases	5.5.0	5.6.0	T1	TEI5
34.123-1	632	-	Rel-5	F	TP-22	TP-030282	T1-031498	approved	Package 4 test case 8.2.1.26	5.5.0	5.6.0	T1	TEI5
34.123-1	633	-	Rel-5	F	TP-22	TP-030282	T1-031499	approved	Package 4 test case 9.5.7.1	5.5.0	5.6.0	T1	TEI5
34.123-1	634	-	Rel-5	F	TP-22	TP-030282	T1-031500	approved	Low priority test cases 8.2.3.26	5.5.0	5.6.0	T1	TEI5
34.123-1	635	1	Rel-5	F	TP-22	TP-030282	T1-031583	approved	Package 2 test case 8.4.1.14	5.5.0	5.6.0	T1	TEI5
34.123-1	636	-	Rel-5	F	TP-22	TP-030282	T1-031502	approved	Low priority test cases 8.3.1.29 and 8.3.1.30	5.5.0	5.6.0	T1	TEI5
34.123-1	637	-	Rel-5	F	TP-22	TP-030282	T1-031503	approved	Low priority test cases 8.3.1.26 and 8.3.1.28	5.5.0	5.6.0	T1	TEI5
34.123-1	638	1	Rel-5	F	TP-22	TP-030282	T1-031630	approved	Package 2 test case 8.4.1.7	5.5.0	5.6.0	T1	TEI5
34.123-1	640	-	Rel-5	F	TP-22	TP-030282	T1-031512	approved	Editorial Correction to RRC test case 8.3.2.13	5.5.0	5.6.0	T1	TEI5
34.123-1	642	1	Rel-5	F	TP-22	TP-030282	T1-031578	approved	Correction to GMM Low Priority test case 12.4.3.3	5.5.0	5.6.0	T1	TEI5
34.123-1	643	1	Rel-5	F	TP-22	TP-030282	T1-031638	approved	Correction to Package 1 test case 7.2.3.13.	5.5.0	5.6.0	T1	TEI5
34.123-1	644	-	Rel-5	F	TP-22	TP-030282	T1-031525	approved	Correction to clause 8.1.2.1 to match TTCN	5.5.0	5.6.0	T1	TEI5
34.123-1	645	2	Rel-5	F	TP-22	TP-030282	T1-031685	approved	Correction to package 3 test case 14.2.51b	5.5.0	5.6.0	T1	TEI5
34.123-1	646	1	Rel-5	F	TP-22	TP-030282	T1-031656	approved	Removal of package 1 RRC test case 8.2.5.1	5.5.0	5.6.0	T1	TEI5
34.123-1	647	-	Rel-5	F	TP-22	TP-030282	T1-031531	approved	Correction to TC 8.4.1.5 (Package 1)	5.5.0	5.6.0	T1	TEI5
34.123-1	648	-	Rel-5	F	TP-22	TP-030282	T1-031683	approved	General Modification to clause 9 – MM test cases – to be run only in NMOII	5.5.0	5.6.0	T1	TEI5

34.123-1	649	-	Rel-5	F	TP-22	TP-030282	T1-031689	approved	CR to P2 GMM TC 12.2.1.3	5.5.0	5.6.0	T1	TEI5
34.123-2	121	-	Rel-5	F	TP-22	TP-030283	T1-031395	approved	New RLC test case on reconfiguration of RLC parameters by upper layers	5.5.0	5.6.0	T1	TEI5
34.123-2	122	-	Rel-5	F	TP-22	TP-030283	T1-031396	approved	New RRC test cases on Paging	5.5.0	5.6.0	T1	TEI5
34.123-2	123	1	Rel-5	F	TP-22	TP-030283	T1-031600	approved	Removal of session management test cases on QoS negotiation (Package 3+4)	5.5.0	5.6.0	T1	TEI5
34.123-2	124	1	Rel-5	F	TP-22	TP-030283	T1-031633	approved	Introduction of test cases on A-GPS positioning	5.5.0	5.6.0	T1	TEI5
34.123-2	125	1	Rel-5	F	TP-22	TP-030283	T1-031678	approved	Correction of Applicability table for RRC Measurement test cases	5.5.0	5.6.0	T1	TEI5
34.123-2	126	-	Rel-5	F	TP-22	TP-030283	T1-031400	approved	New RRC test case on soft handover for multiple radio links	5.5.0	5.6.0	T1	TEI5
34.123-2	127	-	Rel-5	F	TP-22	TP-030283	T1-031444	approved	CR 34.123-2 Rel-5: Removal of P3 TC 10.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	5.5.0	5.6.0	T1	TEI5
34.123-2	133	-	Rel-5	F	TP-22	TP-030283	T1-031530	approved	Removal of package 1 RRC test case 8.2.5.1	5.5.0	5.6.0	T1	TEI5
34.123-2	134	1	Rel-5	F	TP-22	TP-030283	T1-031584	approved	Add new PICS parameters	5.5.0	5.6.0	T1	TEI5
34.123-2	135	-	Rel-5	F	TP-22	TP-030283	T1-031639	approved	Change of applicability for RLC P1 TC 7.2.3.13	5.5.0	5.6.0	T1	TEI5
34.123-2	136	-	Rel-5	F	TP-22	TP-030283	T1-031709	approved	CR on Package 1 SM test cases 11.3.1 PDP context deactivation initiated by the UE and 11.3.2 PDP context deactivation initiated by the UE	5.5.0	5.6.0	T1	TEI5
34.123-3	141	2	R99	F	TP-22	TP-030284	T1-031684	approved	Correction to Package 1 test case 11.3.1.	3.3.0	3.4.0	T1	TEI
34.123-3	142	3	R99	F	TP-22	TP-030284	T1-031707	approved	ASP changes and MMI string corrections	3.3.0	3.4.0	T1	TEI
34.123-3	144	-	R99	B	TP-22	TP-030284	T1-031455	approved	Approval of RLC test case 7.2.3.12	3.3.0	3.4.0	T1	TEI
34.123-3	250	-	R99	F	TP-22	TP-030284	T1-031585	approved	Correction of two Tabular PDU Constraint Declarations in MAC ATS V3.3.0	3.3.0	3.4.0	T1	TEI
34.123-3	251	-	R99	F	TP-22	TP-030285	TP-030285	approved	Updating Annex A	3.3.0	3.4.0	T1	TEI
34.123-3	252	-	R99	F	TP-22	TP-030303	TP-030303	approved	Correction of two SM TCs to be consistent with 34.123-1	3.3.0	3.4.0	T1	TEI
34.123-3	252	-	R99	F	TP-22	TP-030284	T1-031732	approved	Security ASP changes	3.3.0	3.4.0	T1	TEI
23.041	015	-	Rel-5	F	TP-22	TP-030267	T2-030574	approved	CB Data structure	5.1.0	5.2.0	T2	TEI5
23.041	016	-	Rel-6	A	TP-22	TP-030267	T2-030575	approved	CB Data structure	6.1.0	6.2.0	T2	TEI5
23.140	140	-	Rel-6	F	TP-22	TP-030268	T2-030587	approved	Correction in MM1-MM4/MM7 header mapping	6.3.0	6.4.0	T2	MMS6
23.140	141	-	Rel-6	F	TP-22	TP-030268	T2-030624	approved	Clarifying the Element of Information "Linked ID"	6.3.0	6.4.0	T2	MMS6
23.140	142	-	Rel-6	F	TP-22	TP-030268	T2-030625	approved	Cleaning up last references to RFC822, and deletion of non existing /TYPE=rfc822	6.3.0	6.4.0	T2	MMS6
23.140	143	-	Rel-6	B	TP-22	TP-030268	T2-030629	approved	Conditional delivery mechanism for MMS	6.3.0	6.4.0	T2	MMS6
23.140	144	-	Rel-6	F	TP-22	TP-030268	T2-030630	approved	Automatic and Manual Retrieval Modes	6.3.0	6.4.0	T2	MMS6
23.140	145	-	Rel-6	F	TP-22	TP-030268	T2-030631	approved	MM4 addressing	6.3.0	6.4.0	T2	MMS6
23.140	146	-	Rel-6	F	TP-22	TP-030268	T2-030635	approved	Addition of missing MM7 Delivery report status codes	6.3.0	6.4.0	T2	MMS6
23.140	147	-	Rel-6	F	TP-22	TP-030268	T2-030636	approved	MM7, Allow Adaptations default value	6.3.0	6.4.0	T2	MMS6
23.140	148	-	Rel-5	F	TP-22	TP-030268	T2-030642	approved	Correcting references to ENUM & HLR	5.8.0	5.9.0	T2	MESS5-MMS
11.10-4	A055	-	R99	B	TP-22	TP-030246	T3-031007	approved	Introduction of "MO Short Message Control by SIM" envelope testing	8.5.0	8.6.0	T3	TEI
11.10-4	A056	-	R99	F	TP-22	TP-030246	T3-031008	approved	Re-Introduction of changes already approved at the last T3.	8.5.0	8.6.0	T3	TEI
11.10-4	A057	-	R99	F	TP-22	TP-030246	T3-031009	approved	CR 11.10-4 R99: Essential corrections	8.5.0	8.6.0	T3	TEI
11.10-4	A058	-	R99	F	TP-22	TP-030246	T3-031010	approved	CR 11-10.4 R99: Essential corrections to 27.22.4.14 "POLLING OFF"	8.5.0	8.6.0	T3	TEI

11.10-4	A059	-	R99	F	TP-22	TP-030246	T3-031011	approved	CR 11.10-4 R99: Essential corrections to Send DTMF test cases	8.5.0	8.6.0	T3	TEI
11.10-4	A060	-	R99	F	TP-22	TP-030246	T3-031039	approved	Introduction of BIP testing in GPRS	8.5.0	8.6.0	T3	TEI
11.11	A137	-	R99	F	TP-22	TP-030247	T3-030948	approved	Correction to procedures for service no 21, 22 and 23	8.10.0	8.11.0	T3	TEI
11.11	A138	1	R99	F	TP-22	TP-030304	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	8.10.0	8.11.0	T3	TEI
11.14	A218	-	R99	F	TP-22	TP-030249	T3-030986	approved	Clarification on user confirmation for OPEN CHANNEL	8.14.0	8.15.0	T3	TEI
23.048	036	-	Rel-5	F	TP-22	TP-030257	T3-031003	approved	Cell Broadcast Data Download secure messages in UMTS	5.7.0	5.8.0	T3	TEI
31.102	163	-	R99	F	TP-22	TP-030251	T3-030959	approved	Removal of references to TS 02.07	3.14.0	3.15.0	T3	TEI
31.102	164	-	Rel-4	A	TP-22	TP-030251	T3-030960	approved	Removal of references to TS 02.07	4.10.0	4.11.0	T3	TEI
31.102	165	-	Rel-5	A	TP-22	TP-030251	T3-030961	approved	Removal of references to TS 02.07	5.6.0	5.7.0	T3	TEI
31.102	166	-	Rel-6	A	TP-22	TP-030251	T3-030962	approved	Removal of references to TS 02.07	6.3.0	6.4.0	T3	TEI
31.102	167	-	R99	F	TP-22	TP-030251	T3-030947	approved	Correction of T=0 protocol parameters	3.14.0	3.15.0	T3	TEI
31.102	168	-	Rel-4	A	TP-22	TP-030251	T3-030979	approved	Correction of T=0 protocol parameters	4.10.0	4.11.0	T3	TEI
31.102	169	-	Rel-5	A	TP-22	TP-030251	T3-030982	approved	Correction of T=0 protocol parameters	5.6.0	5.7.0	T3	TEI
31.102	170	-	R99	F	TP-22	TP-030251	T3-030989	approved	Corrections on files for support of GSM services using USIM / NIA	3.14.0	3.15.0	T3	TEI
31.102	171	-	Rel-4	A	TP-22	TP-030251	T3-030990	approved	Corrections on files for support of GSM services using USIM / NIA	4.10.0	4.11.0	T3	TEI
31.102	172	-	Rel-5	A	TP-22	TP-030251	T3-030991	approved	Corrections on files for support of GSM services using USIM / NIA	5.6.0	5.7.0	T3	TEI
31.102	173	-	Rel-6	A	TP-22	TP-030251	T3-030992	approved	Corrections on files for support of GSM services using USIM / NIA	6.3.0	6.4.0	T3	TEI
31.102	174	-	R99	F	TP-22	TP-030251	T3-030993	approved	Support of GSM services on USIM	3.14.0	3.15.0	T3	TEI
31.102	175	-	Rel-4	A	TP-22	TP-030251	T3-030994	approved	Support of GSM services on USIM	4.10.0	4.11.0	T3	TEI
31.102	176	-	Rel-5	A	TP-22	TP-030251	T3-030995	approved	Support of GSM services on USIM	5.6.0	5.7.0	T3	TEI
31.102	177	-	Rel-6	A	TP-22	TP-030251	T3-030996	approved	Support of GSM services on USIM	6.3.0	6.4.0	T3	TEI
31.102	178	-	R99	F	TP-22	TP-030251	T3-030997	approved	Corrections on files for support of GSM services using USIM - ASCI Files	3.14.0	3.15.0	T3	TEI
31.102	179	-	Rel-4	A	TP-22	TP-030251	T3-030998	approved	Corrections on files for support of GSM services using USIM - ASCI Files	4.10.0	4.11.0	T3	TEI
31.102	180	-	Rel-5	A	TP-22	TP-030251	T3-030999	approved	Corrections on files for support of GSM services using USIM - ASCI Files	5.6.0	5.7.0	T3	TEI
31.102	181	-	Rel-6	A	TP-22	TP-030251	T3-031000	approved	Corrections on files for support of GSM services using USIM - ASCI Files	6.3.0	6.4.0	T3	TEI
31.102	182	1	R99	F	TP-22	TP-030306	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	3.14.0	3.15.0	T3	TEI
31.102	183	1	Rel-4	A	TP-22	TP-030307	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	4.10.0	4.11.0	T3	TEI
31.102	184	1	Rel-5	A	TP-22	TP-030308	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	5.6.0	5.7.0	T3	TEI
31.102	185	1	Rel-6	A	TP-22	TP-030309	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	6.3.0	6.4.0	T3	TEI
31.102	186	-	R99	F	TP-22	TP-030251	T3-030955	approved	Correction of SFI support	3.14.0	3.15.0	T3	TEI
31.102	187	-	Rel-4	A	TP-22	TP-030251	T3-030956	approved	Correction of SFI support	4.10.0	4.11.0	T3	TEI
31.102	188	-	Rel-5	A	TP-22	TP-030251	T3-030957	approved	Correction of SFI support	5.6.0	5.7.0	T3	TEI
31.102	189	-	Rel-6	D	TP-22	TP-030251	T3-030958	approved	Editorial corrections for Image files	6.3.0	6.4.0	T3	TEI
31.102	190	-	Rel-6	C	TP-22	TP-030251	T3-030977	approved	Expansion of Message Waiting Indication Status EFs	6.3.0	6.4.0	T3	TEI
31.102	191	-	R99	F	TP-22	TP-030251	T3-030980	approved	Correction to the description of mandatory SFIs	3.14.0	3.15.0	T3	TEI
31.102	192	-	Rel-4	A	TP-22	TP-030251	T3-031033	approved	Correction to the description of mandatory SFIs	4.10.0	4.11.0	T3	TEI

31.102	193	-	Rel-5	A	TP-22	TP-030251	T3-031034	approved	Correction to the description of mandatory SFIs	5.6.0	5.7.0	T3	TEI
31.102	194	-	Rel-6	A	TP-22	TP-030251	T3-031035	approved	Correction to the description of mandatory SFIs	6.3.0	6.4.0	T3	TEI
31.102	195	-	R99	F	TP-22	TP-030251	T3-030963	approved	Clarification of "free" entry in EF_EXT1/EF_EXT4	3.14.0	3.15.0	T3	TEI
31.102	196	-	Rel-4	F	TP-22	TP-030251	T3-030964	approved	Clarification of "free" entry in EF_EXT1/EF_EXT4	4.10.0	4.11.0	T3	TEI
31.102	197	-	Rel-5	A	TP-22	TP-030251	T3-031036	approved	Clarification of "free" entry in EF_EXT1/4/8	5.6.0	5.7.0	T3	TEI
31.102	198	-	Rel-6	A	TP-22	TP-030251	T3-031037	approved	Clarification of "free" entry in EF_EXT1/4/8	6.3.0	6.4.0	T3	TEI
31.102	199	-	Rel-6	F	TP-22	TP-030251	T3-030954	approved	Correction to Annex G Phonebook Example	6.3.0	6.4.0	T3	TEI
31.103	010	-	Rel-5	F	TP-22	TP-030252	T3-030983	approved	Correction of T=0 protocol parameters	5.4.0	5.5.0	T3	TEI
31.111	101	-	Rel-5	F	TP-22	TP-030253	T3-031001	approved	Cell Broadcast Data Download	5.5.0	5.6.0	T3	TEI
31.111	102	-	Rel-6	F	TP-22	TP-030253	T3-031002	approved	Cell Broadcast Data Download	5.5.0	6.0.0	T3	TEI
31.111	103	-	R99	F	TP-22	TP-030253	T3-030987	approved	Clarification on user confirmation for OPEN CHANNEL	3.10.0	3.11.0	T3	TEI
31.115	003	-	Rel-6	F	TP-22	TP-030255	T3-031013	approved	Remove TS 23.040 duplicated information	6.2.0	6.3.0	T3	TEI
31.115	004	-	Rel-6	B	TP-22	TP-030255	T3-031014	approved	Response Packet in Concatenated Short Messages Point to Point	6.2.0	6.3.0	T3	TEI
31.122	016	-	R99	D	TP-22	TP-030256	T3-031005	approved	CR to 31.122 Rel 99: Editorial Corrections	3.6.0	3.7.0	T3	TEI
31.900	013	-	Rel-5	F	TP-22	TP-030254	T3-030939	approved	Inclusion of Rel-5 ME requirements for SIM / USIM support	5.3.0	5.4.0	T3	TEI
51.011	027	-	Rel-4	F	TP-22	TP-030248	T3-030949	approved	Correction to procedures for service no 21, 22 and 23	4.9.0	4.10.0	T3	TEI
51.011	028	1	Rel-4	F	TP-22	TP-030305	-	approved	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	4.9.0	4.10.0	T3	TEI
51.011	029	-	Rel-4	F	TP-22	TP-030248	T3-031031	approved	Removal of references to TS 02.07	4.9.0	4.10.0	T3	TEI
51.011	030	-	Rel-4	F	TP-22	TP-030248	T3-031032	approved	Removal of references to TS 04.08	4.9.0	4.10.0	T3	TEI
51.013	002	-	Rel-4	F	TP-22	TP-030258	T3-031025	approved	Essential corrections	4.0.1	4.1.0	T3	TEI
51.013	003	-	Rel-5	F	TP-22	TP-030258	T3-031026	approved	Essential corrections	5.0.1	5.1.0	T3	TEI
51.014	004	-	Rel-4	F	TP-22	TP-030250	T3-030940	approved	Multiple inconsistency corrections	4.2.0	4.3.0	T3	TEI
11.11	A13 8	-	R99	F	TP-22	TP-030247	T3-031017	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	8.10.0		T3	TEI
31.102	182	-	R99	F	TP-22	TP-030251	T3-031019	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	3.14.0		T3	TEI
31.102	183	-	Rel-4	A	TP-22	TP-030251	T3-031020	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	4.10.0		T3	TEI
31.102	184	-	Rel-5	A	TP-22	TP-030251	T3-031021	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	5.6.0		T3	TEI
31.102	185	-	Rel-6	A	TP-22	TP-030251	T3-031022	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	6.3.0		T3	TEI
31.111	100	-	Rel-6	B	TP-22	TP-030253	T3-030984	rejected	Addition of ability to set up Video calls using the SET UP CALL command	5.5.0		T3	TEI
51.011	028	-	Rel-4	A	TP-22	TP-030248	T3-031018	revised	Alignment of EF-HPLMN Search Period with 22.011 and 23.122	4.9.0		T3	TEI

ANNEX E List of approved WIDs

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

Tdoc	Title	Source	Notes / Status
TP-030287	Updated WID Document	T1	approved
TP-030288	WI Sheet for new WT (A-GPS)	T1	approved
TP-030299	WID Handling of private addressing schemes in MMS	T2	approved
TP-030301	WID Multiple MMS Relay/Server Architecture	T2	approved
TP-030259	Work Item Description on: USAT Conformance Test Specification	T3	approved

ANNEX F

List of all officials within TSG-T

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

Position	Name	Organisation	Partner	Email	Tel
TSG-T (Terminals)					
Chair	Sang-Keun PARK	Samsung Electronics	TTA	spark@samsung.com	+82-31-279-5300
Vice chair	Ed EHRlich	Nokia Corporation	T1	ed.ehrlich@nokia.com	+1 972 894 4495
Vice chair	Kevin HOLLEY	mmO2	ETSI	kevin.holley@o2.com	+44 1473 605604
Secretary	Friedhelm RODERMUND	MCC (3GPP support)	3GPP	rodermund@etsi.org	+33 4 9294 4324
TSG-T WG1 (UE testing)					
Chair	Phillip BROWN	3	ETSI	phillip.brown@three.co.uk	+44 1628 765465
Vice chair	Dan FOX	Anritsu Ltd	ETSI	Dan.Fox@eu.anritsu.com	+44 7909 983357
Vice chair	Hisashi NAKAGOMI	NTT DoCoMo	ARIB	hisashi@cet.yrp.nttdocomo.co.jp	+81 468 40 3100
Secretary	Alain SULTAN	ETSI (3GPP support)	3GPP	sultan@etsi.org	+33 4 9294 4271
- RF Sub Working Group					
Convenor	Carolyn TAYLOR	Motorola	T1	Carolyn.Taylor@motorola.com	+1 847 523 0458
- Signalling Sub Working Group					
Convenor	Dan FOX	Anritsu Ltd	ETSI	dan.fox@eu.anritsu.com	+44 1582 433357
TSG-T WG2 (UE capabilities)					
Chair	Ian HARRIS	RIM	ETSI	iharris@rim.net	+44 7764217416
Vice chair	Paul VOSKAR	Nokia	ETSI	paul.voskar@nokia.com	+44 1252 867430
Secretary	Friedhelm RODERMUND	MCC (3GPP support)	3GPP	rodermund@etsi.org	+33 4 9294 4324
- Mobile Execution Environment (MExE) (Sub Working Group 1) DISSOLVED					
- UE Capabilities and Interfaces (Sub Working Group 2)					
Chair	Prem SOOD	Sharp	ARIB	pls@sharplabs.com	+1 360 834 8708
- Messaging (Sub Working Group 3)					
Chair	Josef LAUMEN	Siemens	ETSI	josef.laumen@sal.siemens.de	+49 53419062830
TSG-T WG3 (USIM)					
Chair	Nigel BARNES	Motorola	ETSI	nigel.barnes@motorola.com	+44 1256 790 169
Vice chair	Paul JOLIVET	DoCoMo Europe	ETSI	jolivet@docomo.fr	+33 1 5688 3030
Vice chair	Jean-Francois RUBON	GEMPLUS Card International	ETSI	jean-francois.rubon@gemplus.co	+33 442 366639
Secretary	Andrijana JURISIC	MCC (3GPP support)	3GPP	andrijana.jurisc@etsi.org	+33 4 9294 4309
- 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 do 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 Server 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/