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3GPP TSG T WG1 #12
Busan, Korea
6-7 September 2001



**DRAFT Report from the 3GPP TSG T WG1 #12 Plenary
Meeting**

6-7 September 2001

Marriott Hotel, Busan, Korea

Revision: 2

Chairman: Bjarke Nielsen

Secretary: Lidia Salmerón

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1 Opening of the meeting

The twelfth TSG T1 Plenary meeting was held on 6th to 7th September 2001 in Busan (Korea) and was hosted by Samsung.

Mr Nielsen opened the meeting at 9.20 am.

2 Adoption of the agenda

The original agenda in **T1-010242** was [approved](#).

Mr Nielsen gave a reminder on the IPR obligations.

3 Registration of input documents

This was done before the start of the meeting.

4 Approval of the minutes from last meeting

The report from the last T1#11 meeting (Melbourne) can be found in Tdoc **T1-010243** this document was circulated on the e-mail reflector, comments received were incorporated and therefore is considered [approved](#). The table below contains the status of the actions points from last meetings as well as the new actions points resulting from this meeting:

AP Description	Status	Comments
All: To send contributions about the different regulatory situations	Open	Only received from Japan
AP8.11: Mr Fox to include TTCN version control in the agenda for the next T1/Sig meeting.	Closed	Included in the report for this meeting
AP9.6: T1/sig to discuss the issue of testing of high layer features and applications at the next meeting.	Closed	An ad-hoc meeting took place
AP9.15: R&S to write LS to T1/Sig on problematic with demodulation of BCH in Block STTD mode.	Closed	It has been clarified that it is not required to tested
AP9.18: Subgroups to check references in TR 34.910 and report to the chairman.	Open	Chairmen shall added to the next agenda of their meetings
AP10.2: T1/Sig to elect a vice-chairman at the next meeting.	Done	
AP10.4: Mr Sood will present some input to T1 on the conclusions reached by T2 on the splitting of the protocol.	Done	See Tdoc T1-010254
AP10.5: Ms Salmeron to contact the host to discuss the collocation with G4.	Done	
AP10.8: Chairmen and rapporteurs to prepare change request on change of term 'conformance requirement' by 'minimum requirement'.	Done	CRs will be presented at this meeting
AP10.9: All to consider if interface T1-IETF is needed.	Ongoing	Someone shall monitor the work of IETF
AP10.13: Nokia, Ericsson, Rohde & Schwarz and other interested companies to make proposal on verification of	Done	Proposal to be presented at this meeting

test cases.		
AP10.14: Mr Fox (Anritsu) will prepare a contribution describing the radio environment actually used by the signalling test and will submit to the RF subgroup for guidance. If a change is needed, it will be done at T1/Sig #16.	Done	A CR will be presented at this meeting
AP10.16: T1/RF and T1/Sig to agree at the next T1 meeting when do we expect to release Rel 4 specs.	Done	
AP11.1: Mr George to finish the Work Item on how to test codec functions	Open	It will be presented during Work Plan issues
AP11.2: Ericsson will provide information on the issue of ROHC interoperability testing in IETF.	Done	Based on interoperability tests, it was concluded that ROHC description is solid
AP11.3: Mr George to monitor the situation on the GTT to see if a testing work item is needed.	Done	It is not needed
AP11.4: Mr George will create a separated work item for testing of MExE and we will seek for supporting companies.	Open	It will be presented during Work Plan issues
AP11.5: Companies to consider the hosting of future T1 meeting.	Open	
AP11.6: Mrs Salmeron to create PRD with these procedures and to present it to the next meeting.	Done	See Tdoc T1-010271
AP11.7: T1/Sig to solve the issue of the RF conditions for signalling for the next T1 meeting.	Ongoing	
AP11.8: Mr Fox, Mr Hu and Mr Nielsen to prepare letter for further TTCN funding request.	Done	
AP11.9: Mrs Salmeron will clarify on the reflector if T1 can send LSs directly to GCF.	Done	We can do it
AP12.1: Mr Fenn to organize a joint meeting with T2 in November		
AP12.2: Mr George to evaluate if the work item End-to-End QoS for Rel-5 has any influence in our work.		
AP12.3 Mr Savolainen (Nokia) to write LS to R2 with conclusions from RRM ad-hoc		
AP12.4: Relevant companies within T1 to review the report from SA1 on IP Based Multimedia Services Framework and provide input to them.		
AP12.5: Mrs. Salmeron to make a PRD with the e-mail approval procedure.		
AP12.6: Mr George will start a discussion on the e-mail reflector to get support for the creation of new WI.		
AP12.7: Mr Nielsen to make the preparations for the co-located meeting with T2 in November.		
AP12.8: Mr George to provide the spread table for the follow up of work items.		
AP12.9: Mrs Salmeron to include the missing information from T#12 in the work plan.		
AP12.10: Mrs Salmeron to update PRD T1-07.		
AP12.11: Mr Hu and Mr Fox to provide new estimate on the number of test cases available at the end of the year.		
AP12.12: T1/Sig to provide a final version of the verification database.		

T1-010259: Report from T#12 in Stockholm

Mr Nielsen presented the document. The main issues related to T1 were:

- Codec issues will have no impact in T1 specifications
- A clear mechanism (perhaps a TR) needs to be elaborated to indicate the maturity of the test in 34.123-3. The three main categories of stability would be:

- passes syntax checker;
 - can be compiled on at least one available compiler;
 - stable on available industry equipment
- Handling of future releases of protocol test cases will be merged into one single document that will include all the tests related to all the releases. Some CRs will be presented at this meeting
 - Testing of applications

AP12.1: Mr Fenn to organize a joint meeting with T2 in November

- Related to the drafting of TTCN tests for inter-system handover GERAN to UTRAN, it was clarified that the budget allocated for MCC Task 160 does not include resources for the drafting of GERAN tests. Mr Hu said that GERAN will request budget to PCG directly. The report from Task 160 was approved at the T meeting.
- All T1 WI were approved as presented, excepting the WI for UMTS 1800/1900 that was requested to be split in two separate WI and were finally approved.

The document was [noted](#).

T1-010260: Report from SA#12

Mr Nielsen presented the document. The main issue is that the TTCN version strategy was discussed and T1 promised to come up with a firm proposal at the next meeting.

The document was [noted](#).

5 Incoming LS's

T1-010244: LS on Response to LS (T1-010159) on Establishment of an Ad Hoc on RRM testing (R2-011480)

RAN2 agrees to participate in a joint ad hoc meeting with T1 and RAN4 on RRM testing. The LS was [noted](#).

T1-010245: LS on Response to LS (T1-010165) on Corrections of RLC wording (R2-011482)

RAN2 proposes some changes to 34.123-1. The proposed changes were already revised during the T1/Sig meeting and included in their CRs. The LS was [noted](#).

T1-010246: LS on Response to LS (T1-010238) on Problems with testing abnormal conditions in RRC signalling procedures (R2-011483)

This LS from RAN2 has been discussed in T1/Sig, information concern to it will be given in the T1/Sig report. The LS was [noted](#).

T1-010248: LS on proposed addition to 34.108 (R1-010677)

This LS from RAN1 has been handle in T1/Sig and it is mentioned in T1/Sig report. The changes proposed were agreed by T1/Sig, but were missed in the CRs intended to be

presented to T1. This error will be fixed during the T1 meeting and the corresponding changes will be presented to T1 for approval.

The LS was [noted](#).

T1-010249: LS cc T1 on Questions for Measurement accuracy of CPICH RSCP (R4-010773)

This LS from RAN4 has already been handle by T1/RF. The issues have been discussed and solved. It is presented to T1 just for information.

The LS was [noted](#).

T1-010250: LS cc T1 on WI on the End-to-End QoS Architecture for Release 5 (S2-011098)

Mr Fenn (Samsung) informed that a work item on End-to-End QoS for Rel-5 has been approved by S2 and the work will be done in conjunction with ETIS project TIPHON. Mr George (Anritsu) said that this is related to the application testing group.

The LS was [noted](#)

AP12.2: Mr George to evaluate if the work item End-to-End QoS for Rel-5 has any influence in our work.
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T1-010251: LS on Reply LS on authentication test algorithm to be implemented in test USIM (S3-010233)

SA3 accepts that no more changes to the test algorithm are accepted anymore.

The LS was [noted](#).

T1-0d10252: LS to RAN4 cc T1 on Period of averaging to measure the Transmit OFF Power (T1R010183)

This LS from T1/RF has already been sent to RAN4 but no answer has been received from them yet. T1/RF will monitor the situation.

The LS was [noted](#).

T1-010253: LS to RAN2 cc T1 on Number of DRX cycle (T1R010184)

This LS from T1/RF has already been sent and T1/RF has received an answer from RAN2 (see **T1-0102560**).

The LS was [noted](#).

T1-010255: LS on UE Positioning testing aspects (R2-011765)

RAN2 informs that following the joint meeting between R2, R4 and T1/RF, it has been identified that T1 is responsible for developing test specifications that can be used to evaluate the performance of UE positioning measurements.

It was not clear if this is a RF and Sig issue. It was decided to handle this in the same way as RRM. At the moment there are no requirements from RAN4. This issue will be discussed during the RRM ad-hoc meeting (11-12 October in ETSI). Following conclusions from that ad-hoc, a LS will be drafted to RAN2 (what we need to start the work, which groups will be involved in the work, etc).

AP12.3 Mr Savolainen (Nokia) to write LS to R2 with conclusions from RRM ad-hoc

The LS was [noted](#).

T1-010256: LS on Response to LS (T1R010184) on Number of DRX cycle (R2-011766)

T1/RF accepts the proposal from RAN2. No answer back was felt necessary.

The LS was [noted](#).

T1-010257: LS on IP Based Multimedia Services Framework Report (S1-010869)

SA1 asks impacted groups to provide input to the report. Mr Nielsen thinks that we should have some input to this document related to testing.

AP12.4: Relevant companies within T1 to review the report from SA1 on IP Based Multimedia Services Framework and provide input to them.

The LS was [noted](#).

T1-010267: LS on correction of Radio Bearer Configurations in TS 34.108 for TDD and FDD (R1-010986)

This LS was handle in T1/Sig. The proposals were agreed and a CR will be presented for approval in T1.

The LS was [noted](#).

6 Presentations of e-mail approvals since last T1 meeting

Mr Nielsen informed the group that some guidelines has been introduced in T1 to deal with some issues in a more efficient way by using the e-mail reflector. The vice-chairman Mr Nakagomi (NTT DoCoMo) is responsible of the handling of e-mail reflector approval.

T1-010269: Status report of e-mail approval

This document contains the e-mail approval procedure itself.

All incoming LS will be circulated on the reflector with the aim of getting a quick response before the next T1 meeting.

AP12.5: Mrs. Salmeron to make a PRD with the e-mail approval procedure.

It was clarified that the issues will be discussed in the T1 e-mail reflector (not T1/RF or T1/Sig).

The document was [noted](#).

7 T1 administrative issues

7.1 Time schedule for next meetings - for review and consensus

The proposed meeting schedule is included in **T1-010268**. Mr Nielsen informed that Intel offered to host a meeting in Calgary (Canada) in July, but this has to be confirmed.

Mr Mattisson noted that there is a long time between the meeting in July and November. It was agreed to move the meeting in July to 29 July to 2 August. With this change the meeting schedule was **revised** in **T1-010371** and **agreed**. The meeting schedule is included in Annex D of this report.

ETSI and Ericsson offered to host a meeting for the next year.

7.2 IGC status and TSG-T1 work plan, status and path forward

T1-010261: Work item sheets

Mr George presented the document. The document treated the following areas:

- Summary of output from T
- WI for MExE (AP11.4): For the moment this is left as a place holder, waiting for the application subgroup
- WI for W/B Multi-media Codec Support (AP11.1): For the moment this is left as a place holder, waiting for the application subgroup
- WI for GTT, Global Text Telephony (AP11.3): No need for WI
- WT_T1-06_18. Testing Node B synchronisation for TDD: There is no feature UE to tests. WI to be deleted.
- New RAN WI with potential impact in T1:
 - High Speed Downlink Packet Access (HSDPA)
 - Multiple Input Multiple Output antennas (MIMO)
 - Separation of resource reservation and radio link activation
 - UE positioning enhancements for 1.28 Mcps TDD

AP12.6: Mr George will start a discussion on the e-mail reflector to get support for the creation of new WI.

It was clarified that a WI for TTCN test cases of LCR TDD is already agreed in T1-06_13.

AP12.7: Mr Nielsen to make the preparations for the co-located meeting with T2 in November.

Mr Fenn (Samsung) volunteered to write a LS to T2 (they are meeting at the moment in Edinburgh) to kindly remind them of the co-located meeting and of our conclusions. This was done in **T1-010372** (see below).

Mr Nielsen noted that we have to keep tracking on the WI that we have agreed to know the progress we have done and reflect this on the work plan and also to get some more supporting companies for the work items. Mr George (Anritsu) suggested that a table with all the work items can be circulated on the e-mail reflector and interested parties can input the progress in the different areas. It was agreed that no input will be given to the work plan from this meeting. Mr George will try to do this with the help of the sub-group chairmen for the next meeting.

AP12.8: Mr George to provide the spread table for the follow up of work items.

T1-010266: Work plan for Rel4 and Rel5

Mr George (Anritsu) presented the document for information. It was noted that the information about the work items that were approved at the last plenary is not included.

AP12.9: Mrs Salmeron to include the missing information from T#12 in the work plan.

The document was [noted](#).

T1-010372: Liaison statement to T2 concerning future Joint meeting in November

Mr Fenn (Samsung) presented the document. It was agreed that the ad-hoc meeting will 'refine' this LS but during the ad-hoc it was agreed to [withdraw](#) the LS and that the issue will be treated directly between the T1 and T2 chairmen.

7.3 Testing of Application platforms

Mr Nielsen explained that we are only writing tests for the signalling protocol but the outside world is expecting to have the conformance testing of the core specifications what include application platforms between other things. It has not been very visible to the outside world the areas that we are testing.

The testing of application platforms could also include the IMS subsystem and other IP issues but for the moment we have no inputs on this.

An ad-hoc meeting was held on the application testing but it was difficult to get any conclusion. Mr Fenn (Samsung, convener of the ad-hoc) gave a verbal report of the ad-hoc, that was attended by 25 delegates. The aim of the ad-hoc was to agree on:

- Should T1 set-up an application group?
- ToR
- WI

But all the discussion was centre on the first point. There was consensus that application testing is needed (not necessarily in 3GPP), but it was difficult to define what to test and how to test it. No unanimous agreement was reached at the end.

Mr Nielsen said that we would like to reduce the scope of that group to test interfaces to applications (or application enablers) well defined by 3GPP and then to make a feasibility study to identify possible interfaced to be tested. He does not recommend to create any new group if there are not enough supporting companies (at least 8 companies).

It was agreed to have a small ad-hoc meeting on Thursday evening to discuss the issue and to start defining the possible working areas of that group for the future. The report is included in **T1-010375**.

T1-010375: Application Interest Group, Minutes of 2nd Meeting, 6th September, 2001

Mr George (Anritsu, convenor of the ad-hoc) presented the report. He said that it was agreed that we should not form a formal sub working group, rather it should be an interest group within T1 identifying work items that could be taken by the other SWGs or overseeing work on an ad hoc basis.

The following areas were felt to be considered: MexE, EMS, MMS, Multibroadcast, Video/Audio streaming, LCS, Push services, Presence services, AOC, VHE.

It was also agreed that the scope of the interest group's work should be limited to matters concerning the testing of the UE and not the external applications.

It was clarified that the aim of the special interest group will be to oversee the preparation of work items related to applications which will then be taken by the SWGs if appropriate. If not appropriate, an ad hoc working group may be formed for that WI only.

Regarding the LS that was planned to be sent, it was decided that the chairman of T1 will speak directly to the T2 chairman, instead of sending the LS. The LS in T1-010372 was withdrawn.

Mr Fenn (Samsung) asked to add SA2 to the group related to 'Pre pay and security'.

Mr Simmons (Nortel) thinks that GTT should be out of the list, since the testing that may be involved in it is very small. This was agreed.

The members of the interest group will decide if a meeting is necessary before next T1 meeting in Cancun.

The document was [revised](#) in **T1-010376** and noted.

7.4 T2 Status

T1-010254: Current Status of UE Functionality Split Discussions

This document is the result of an action point in Mr Sood (Sharp). The document contains a LS from him explaining what happened on this issue in different groups. The document was [noted](#).

Some more background information is given in **T1-010265** (Draft report on UE split). The document was [noted](#).

Mr Nielsen pointed out that if functionality splits between different entities we may not be able to test as we do it at the moment. We may need another interface to test functionality. If the split is done in a way that only part of the protocol can be access we will have to begin a new line of test cases what may mean duplicating the work to be done by T1. At least we would need and interface were we can test that the UE will not produce harmful to the network.

7.5 Presentation of status from GCF

T1-010262: Report from the GCF 3G workshop

Mr George (Anritsu) presented the document. He explained that the GCF agreed to create two permanent reference documents: the ‘Certification Criteria for Regulation’ and the ‘Certification Criteria for Validation’, that will relate to release 99 and will cover both GERAN and UTRAN. There was no clear statement on the timescale for this. The document was [noted](#).

Mr Nielsen pointed out that it is important to clarify the scope of GCF. Mr George's opinion is that they are globally represented from the point of view of UE manufacturer, but maybe is more Europe-centred in the operator side. Anyway, anyone can become a member of them (there is no fee for observer members).

Mr Nakagomi stated that NTT DoCoMo has not reached a conclusion about GCF yet, but they will welcome any opinion on the prioritisation of test cases that may come from GCF. Mr Nielsen agreed with this; GCF is considered one potential customer of our test cases, and in the same way we will welcome any input from any other potential customers of our tests.

What kind of test does GCF aim to? It was explained that they define a set of rules by which a product is certified. Once a product has been certified according to that rule, this has benefits for all the members of the GCF.

At this point, the differences between GCF and NVIOT were clarified. The intention of NVIOT is to get interoperability testing so that the products are available as quick as possible. According to Mr Simmons, GCF and NVIOT may use the same tests, but the level of testing would be different. Basically, in NVIOT, two manufacturers come together when it is convenient for them and perform the tests. They will have a common set of tests and a common test plan but the results are only property of the two manufacturers.

Who can be member of NVIOT forum? At the moment it is open to all vendors of mobile equipment (terminal and infrastructure vendors) that connect to the mobile network. This group will not be of interest of operators or test equipment manufacturers, for example.

7.6 Presentation of status from IOT forum

T1-010258: Report on NVIOT/6 activity

Mr Simmons (Nortel) presented the report. The intention of this forum is to establish a common methodology to interoperability testing that allows to get products (network infrastructure and terminals) ready as soon as possible. All the test results from the IOT testing will have a common format.

NVIOT/6 is the group taking care of GSM and UMTS radio interfaces. They had their first meeting in July to try to establish the scope and objective of the group. It was felt that the objective of this group is different from GCF. They will focus on establishing a work program for UMTS. Rather than duplicating tests from T1, they will use TS 34.123-1 and -2 (they will not need -3 as GCF what will make them to move faster). They will select from -2

which test cases can be used for interoperability testing. They ask if T1 will be able to do this IOT catalogue.

If they feel that something is missing in our specification they will produce an input to our group. This input will come in the form of a CR presented by a company.

They will use the real network for testing instead of a test equipment so maybe some modification to the T1 test will be necessary. They will also produce some additional tests that will be out of the scope of T1 (e.g. capacity tests).

The IOT plan will be elaborated at their next meeting next week.

Mr George (Anritsu) said that GCF suggested that TS 34.123-2 could contain the priority of test cases for GCF. Mr Nakagomi (NTT DoCoMo) thinks that this cannot be done in TS 34.123-2 since this is a TS and GCF is an organization external to 3GPP. This could be included in TR 34.910, instead. Mr George thinks this is a good way to understand the requirements of our “customers”. The meeting finally agree to modify the scope of TR 34.910 to include the list of priorities from GCF and other interested organisations.

It was clarified that for the moment, the 3G-2G scenario related to WCDMA-GSM interoperability is being considered.

7.7 Status of 34.109

T1-010369: Status of 34.109

Mr Mattisson (Ericsson) presented the document. It includes some background information about the scope of the specification and some explanation to questions sent on the e-mail reflector.

The scope and purpose of TS 34.109 is to specify the UE functions required to support UE conformance testing.

It was clarified that the UE test loop function is intended to operate on all active radio bearers. This is the simplest way to do it and no need has been identified to control the loopback. entities independently of each other

One possible enhancement is to add the capability to loop back data from one radio bearer to another. Mr Fox (Anritsu) questioned if this was needed, because this could be easily done by configuring the other direction of the RB in a different channel.

The report was [noted](#).

8 Status reports

8.1 GERAN4 status report

Mrs Salmeron presented **T1-010263** and **T1-010264**: GERAN4 status report for information. The main issue was the split of the group into GERAN WG4 (taking care of testing of Radio Layer 1 and RLC/MAC of GERAN terminals) and GERAN WG5 (taking care of testing of all protocols above RLC/MAC and higher layer services of GERAN terminals). The intention of this split is to allow both groups to meet co-located with GERAN plenary, as other GERAN subgroups do.

The documents were [noted](#).

T1-010271: PRD T1-07: Handling of common issues between GERAN WG5 and T WG1

Mrs Salmeron presented the document as result of an action point from the last meeting. The document was [agreed](#).

Mr Hu suggested that it would be useful to add some new table to include the Intersystem handover tests and common environment.

Mrs Salmeron also noted that the table in the document may have been changed due to the deletion or inclusion of new tests, and that some maintenance is needed.

AP12.10: Mrs Salmeron to update PRD T1-07.
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8.2 TSG-T1/Sig status report

Mr Nielsen informed that Mr Fox (Anritsu) has been re-elected chairman of the T1/Sig group. A vice-chairman has also been elected: Mr Kazuo Hayashi (Matsushita Communication Industrial)

T1-010274 contains the report of the signalling subgroup and it was presented by Dan Fox.

The main issues discussed:

- *Freezing against the 2001-06 version of the core specifications*: The maintenance due to changes in the core specification causes delay in the TTCN delivery and verification. T1/Sig proposes to hold at the June release for a period of time so that we get good quality of the test cases we have now before including all the new modifications. This will be done until stability is reached in the speech call tests. Once the milestone has been reached, the pending CRs will be implemented. This approach will allow to have some test cases in TTCN working.

Mr Simmons suggested to included CRs from the core specs only to the prose but this was felt more dangerous by T1/Sig. They prefer to keep 34.123-1 and -2 on line. It is not possible to keep updating -1 with the core spec and use an old version for

the TTCN because the TTCN debugging will generate changes that will have to be included in -1.

It was clarified that the right sentence on page 13 of the report should read: "Give UE and SS implementations a change to catch TTCN version number".

A number of companies supported this view in the T1/Sig meeting (R&S, Motorola, Hutchison, Nokia, Ericsson, Anite, Qualcomm, MCI, DoCoMo, Anritsu) and there was no objection to it.

It was clarified that the update of the prose will go on but taking as a base the core specifications of 2001-06 (not considering future version of the core specifications).

Mr Fox estimates that we will need 6 months to reach the milestone (to get speech call working) and re-start the updating of the core spec, plus 3 more months to include the updates.

Mr Fox said this is proposed because we do not have any tests running at the moment, once we have some tests, we will follow the core specifications.

It was clarified that this freezing does not affect Rel-4 because we do not have any TTCN test cases. We can continue to update Rel-4 in the specification.

We have assumed that we will be able to get speech call working with the June release, but if we find any big problem we will have to introduce the new functionality. New changes will have to be analysed in a case by case basis to determine how critical their introduction in the prose specification is.

During the T1 meeting Nortel, France Telecom and Siemens were added to the list of supporting companies.

Mr Fox will present the detailed T1/Sig report in **T1-010373**, where this issue is clarified.

This process will start now; it is believed that the industry will be very soon ready to verify the June 2001 version of the TTCN.

This concept was approved by T1.

- *Verification database*: "successful simulation" means able to be simulated. The verification database will not be the only way of approving a test case. T1/Sig may approve test cases following the normal method. An ad-hoc meeting was held on Thursday evening on this issue. The report was presented as an annex of **T1-010274**.
- *T1/Sig have decided not to use concurrent TTCN*. Important to be noted by the outside world. This decision will be reviewed regularly.
- *Test case selection and deselection*: T1/Sig was not able to reach a conclusion; is this a manufacturer issue or must T1/Sig be involved? **T1-010335** was presented. A manufacturer may want to execute the test cases relevant to a single feature (not all

the test cases that are applicable according to the applicability table). In the TTCN ATS we have the ability to select a group of tests by a single switch (this is the normal operation of an ATS) but shall 3GPP do this?

Samsung thinks we need both options: to be able to select what the manufacturer wants to tests and to have the automatic selection.

Anritsu thinks that this is a system simulator supplier issue, and not and issue for T1 standardisation. This view was supported by Ericsson and by the chairman.

Guidance to TASK 160: The TTCN shall not include anything that prevent people of selecting test cases independently.

- *TTCN Version Indication:* We will keep interim working documents that will include test cases in different stages of development (just drafted, able to compile) only when the test case has been approved by T1, it will be included in 34.123-3. It was pointed out that this mechanism will only work with the freezing of the specification. A test case will move to the “compiled iWD” when compiles with one of the major tools.

It was pointed out that it is not very likely that the TTCN will be implemented according to the latest version of the core specification due to the big maintenance work. A table will indicate the release of the core specification implemented.

- *TTCN Configuration Management:* Quite support from T1/Sig on the use of this tool, but some discrepancy on the concrete tool to use. There may be a requirement for budget for this tool.
- *Simplified indication of test coverage in TS 34.123-1 and supporting specifications:*
This is just for information. The colour code is:
green = coverage of all main areas
yellow = work just started
white = not coverage

• **34.108**

16 CRs were presented for approval. All the CRs were approved and were assigned the CR number indicated in the tables below.

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.108	048		R99	Correction to reference	F	3.4.0	3.5.0	T1-010275	
34.108	049		R99	Editorial modification for References	D	3.4.0	3.5.0	T1-010276	
34.108	050		R99	Some corrections in clause 5	F	3.4.0	3.5.0	T1-010277	
34.108	051		R99	Update to Scope Statement	F	3.4.0	3.5.0	T1-010278	
34.108	052		R99	Clause 6.10 Definition of RB configurations, TDD parameters	F	3.4.0	3.5.0	T1-010279	
34.108	053		R99	Updates to clause 6.1, clause 7.4 and clause 9	F	3.4.0	3.5.0	T1-010280	
34.108	054		R99	Clause 6.1: Default radio conditions for Signalling tests	F	3.4.0	3.5.0	T1-010281	
34.108	055		R99	Correction of Radio Bearer Configurations for FDD Mode	F	3.4.0	3.5.0	T1-010282	
34.108	056		R99	Correction of Radio Bearer Configurations for TDD Mode	F	3.4.0	3.5.0	T1-010283	
34.108	057		R99	Changes to Signalling Radio Bearer (SRB) numbering	F	3.4.0	3.5.0	T1-010284	

34.108	058		R99	Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	F	3.4.0	3.5.0	T1-010285	
34.108	059		R99	Correction of system information block 5	F	3.4.0	3.5.0	T1-010286	
34.108	060		Rel-4	Introducing of 1.28 Mcps TDD Mode in clauses 4, 5 and 6	B	3.4.0	4.0.0	T1-010287	LCRTDD-L23
34.108	061		Rel-4	Introduction of System Information Blocks for 1.28 Mcps TDD Mode	B	3.4.0	4.0.0	T1-010288	LCRTDD-L23
34.108	062		Rel-4	Introduction of typical radio parameters for 1.28 McpsTDD	B	3.4.0	4.0.0	T1-010289	LCRTDD-L23
34.108	063		R99	Clause 6.11 RBs for RLC and PDCP testing		3.4.0	3.5.0	T1-010290	

T1-010282 was presented in detail since include some modifications suggested by RAN1 that were missed during the T1/Sig meeting.

- **34.123-1**

30 CRs were presented for approval. All the CRs were approved and were assigned the CR number indicated in the tables below.

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Work item
34.123-1	080		R99	Parameters update and Editorial corrections in clauses 7.2.3.1, 7.2.3.2.1, 7.2.3.23, 7.2.3.24	F	3.4.0	3.5.0	T1-010292	
34.123-1	081		R99	Corrections to Clause 13 General Tests	F	3.4.0	3.5.0	T1-010293	
34.123-1	082		R99	Modification in "Method of Test" for RBS test cases in Clause 14	F	3.4.0	3.5.0	T1-010294	
34.123-1	083		R99	Editorial modification for References	D	3.4.0	3.5.0	T1-010295	
34.123-1	084		R99	Clause 7.3, PDCP tests	F	3.4.0	3.5.0	T1-010378 (see note)	
34.123-1	085		R99	Idle mode: Merge of T1S-010180 and 188	F	3.4.0	3.5.0	T1-010297	
34.123-1	086		R99	clause 7.4 BMC: editorial correction	F	3.4.0	3.5.0	T1-010379 (see note)	
34.123-1	087		R99	Clause 7.1, MAC test cases	F	3.4.0	3.5.0	T1-010299	
34.123-1	088		R99	Corrections to RLC test case 7.2.2.2	F	3.4.0	3.5.0	T1-010300	
34.123-1	089		R99	Corrections to RLC test case 7.2.2.3	F	3.4.0	3.5.0	T1-010301	
34.123-1	090		R99	Corrections to RLC test case 7.2.2.8	F	3.4.0	3.5.0	T1-010302	
34.123-1	091		R99	Corrections to RLC test case 7.2.2.10	F	3.4.0	3.5.0	T1-010303	
34.123-1	092		R99	Corrections to RLC test case 7.2.2.9	F	3.4.0	3.5.0	T1-010304	
34.123-1	093		R99	Corrections to RLC test case 7.2.2.12	F	3.4.0	3.5.0	T1-010305	
34.123-1	094		R99	Corrections to RLC test case 7.2.2.29	F	3.4.0	3.5.0	T1-010306	
34.123-1	095		R99	Corrections to RLC test case 7.2.2.30	F	3.4.0	3.5.0	T1-010307	
34.123-1	096		R99	Corrections to RLC test case 7.2.2.33	F	3.4.0	3.5.0	T1-010308	
34.123-1	097		R99	Corrections to RLC test case 7.2.2.34	F	3.4.0	3.5.0	T1-010309	
34.123-1	098		R99	Updates to clause 8 and Annex A		3.4.0	3.5.0	T1-010310	
34.123-1	099		R99	RRC tests (section 8)	F	3.4.0	3.5.0	T1-010311	
34.123-1	100		R99	InterSystemHandover tests (section 8.3.7)	F	3.4.0	3.5.0	T1-010312	
34.123-1	101		R99	Update on Mobility Management	F	3.4.0	3.5.0	T1-010313	
34.123-1	102		R99	Addition of a SM test case for UE in GSM	B	3.4.0	3.5.0	T1-010314	
34.123-1	103		R99	Clause 12 "Elementary procedure for Packet Switched Mobility Management"(GMM)	F	3.4.0	3.5.0	T1-010315	
34.123-1	104		R99	Update of radio bearer test cases	F	3.4.0	3.5.0	T1-010316	
34.123-1	105		R99	SMS test specification	F	3.4.0	3.5.0	T1-010317	
34.123-1	106		Rel-4	RACH Test Procedures for 1.28 Mcps TDD (Rel-4)	B	3.4.0	4.0.0	T1-010318	LCRTDD-L23
34.123-1	107		R99	Corrections to RLC test case 7.2.2.14	F	3.4.0	3.5.0	T1-010319	
34.123-1	108		R99	Corrections to RLC test case 7.2.2.7 and 7.2.2.13	F	3.4.0	3.5.0	T1-010320	
34.123-1	109		R99	RLC acknowledge mode test cases 7.2.3.14 and 7.2.3.34	F	3.4.0	3.5.0	T1-010321	

Note: **T1-010296** was approved at the meeting but this CR contained no revision marks. The right CR was provided in **T1-010378** after the meeting.

T1-010298 was approved at the meeting but this CR contained no revision marks. The right CR was provided in **T1-010379** after the meeting.

Issues:

- Many of the abnormal conditions were not straightforward to generate. There are still some issues to be clarified with RAN2.
- Due to the long time needed to tests one RRC requirement, a more practical solution is under study.

It was clarified that **T1-010321** was agreed at the last meeting, some parts of it have been supersede by other CRs. These areas are marked in red and can be ignored when implementing the CR.

• **34.123-2**

9 CRs were presented for approval. All the CRs were approved and were assigned the CR number indicated in the tables below.

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Workitem
34.123-2	024		R99	Applicability for PDCP and BMC	F	3.4.0	3.5.0	T1-010380 (see note)	
34.123-2	025		R99	Update on Mobility Management	F	3.4.0	3.5.0	T1-010327	
34.123-2	026		R99	Idle mode applicability: Merge of 202 and 204	F	3.4.0	3.5.0	T1-010328	
34.123-2	027		R99	Addition of a SM test case for UE in GSM	F	3.4.0	3.5.0	T1-010329	
34.123-2	028		R99	Update to GMM ICS	F	3.4.0	3.5.0	T1-010330	
34.123-2	029		R99	Update of applicability of radio bearer test cases	F	3.4.0	3.5.0	T1-010331	
34.123-2	030		R99	Update to SMS applicability	F	3.4.0	3.5.0	T1-010332	
34.123-2	031		Rel-4	Update of Table of aplicability tests of RACH test cases in TS34.123-2 to 1.28 Mcps TDD mode (Rel4)	B	3.4.0	4.0.0	T1-010333	LCRTDD L2-3
34.123-2	032		R99	Editorial modification for References	D	3.4.0	3.5.0	T1-010334	

Note: **T1-010326** was approved at the meeting but this CR contained no revision marks. The right CR was provided in **T1-010380** after the meeting.

• **34.123-3**

Mr Hu presented **T1-010337**, which contains an update in the TTCN status.

- *Progress:* TTCN V105 contains 500 test cases what means 10% behind the original plan of having 550 test cases at this meeting. It was clarified that the remaining tests for NAS are GMM test cases for multi-cell and that the remaining tests for RRC are Radio bearer tests.
- *Delivery plan:* V106 will be based on June 2001 version and the verification database will be started. V107 and V108 will be based on June version also but will contain corrections and a higher number of test cases. It was planed to finish FDD by the end of the year but this depends on the availability of experts.

- *Funding 2002*: 58 mm (same as before). Since the last proposal, more mm have been allocated for FDD maintenance. It was noted that the table shall be modified to include 3.84 Mcps TDD as part of R99.

Mr Nielsen said that if we freeze the prose specification to the June version, the funding required for the maintenance should be lower than the requested. Mr Hu said that this resources can be used to increase the test case coverage, but it is difficult to have a good estimation at this moment. Mr Fox thinks that it is quite likely that the number of test cases in 34.123-1 will increase to 700 – 800 test cases since people that are actually working in maintenance will work in the creation of new tests. Obviously, this will have impact in 34.123-3 and it is also foreseen to have around 700 – 800 test cases in TTCN.

AP12.11: Mr Hu and Mr Fox to provide new estimate on the number of test cases available at the end of the year.

- *MCC support for maintenance of database*: Mr Fox clarified that we ask MCC to do this, not Task 160. We have to be sure that what we ask MCC to do is agreed by ETSI hierarchy. Mr Nielsen ask to well defined this task in the report and the wording of the sentence was changed to “Remind PCG that T1/T expect ETSI MCC resources to be provided for the management of the database, as previously agreed”. It is foreseen a need of 3 mm of secretarial work per year approximately.

Mr Hu informed that at the moment Task 160 has 3 experts full time and 1 expert half time.

The document was revised in **T1-010374** and [noted](#).

- **CRs for the merging of R99 and Rel-4 specifications of 34.123-1 and -2**

T1-010272: CR to 34.123-1 on merging of Rel4 and R99 protocol test specifications

T1-010273: CR to 34.123-2 on merging of Rel4 and R99 protocol test specifications

Mrs Salmeron said that T1 has just agreed the creation of Rel-4 of the protocol specifications in order to include test cases for Low Chip Rate TDD. As agreed at previous meetings, it is proposed to merge R99 and Rel-4 protocol specifications. The rationale for creating new releases in a merged way is that tests for new features are added as separate tests (from the already existing ones) and that normally, tests valid for a release remain valid for subsequent releases. This means that only the Release 4 (the latest release available) specification will be maintained and the R99 specification will be closed (no longer maintained) after the pointer to the maintained version has been included. The merged Rel-4 specification will contain all the test cases needed for testing R99 and Rel-4 terminals. The test cases relevant to each release will be easily identify by using the applicability table included in 34.123-2. This approach will reduce the huge effort necessary to maintain several parallel releases of a specification. Additionally, it will be easier for T1 to include additional frequency bands (release independent) in the test specification.

Both CRs were [agreed](#) by all the companies present at the meeting.

T1-010367: CR to 34.123-1 on inclusion of pointer to maintained specification

T1-010368: CR to 34.123-2 on inclusion of pointer to maintained specification

Mrs Salmeron explained that as consequence of the agreement of these CRs, the R99 specification of 34.123-1 and -2 as exist at the moment will not be longer maintained. In order to avoid confusion, these CRs propose to add in 34.123-1 and -2 a pointer to the maintained version of the specification and they can be closed after the implementation of these CRs.

It was noted that with the inclusion of these pointers, the contracts that companies may have will not be affected by the closing of R99 34.123 specification.

Both CRs were [agreed](#) by all the companies present at the meeting.

The following CR numbers were allocated:

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Work item
34.123-1	110		Rel-4	Merging of Rel4 and R99 protocol test specifications	F	3.4.0	4.0.0	T1-010272	TEI
34.123-1	111		R99	Inclusion of pointer to maintained specification	F	3.4.0	3.5.0	T1-010367	
34.123-2	033		Rel-4	Merging of Rel4 and R99 protocol test specifications	F	3.4.0	4.0.0	T1-010273	TEI
34.123-2	034		R99	Inclusion of pointer to maintained specification	F	3.4.0	3.5.0	T1-010368	

- **Report from ad-hoc in verification database**

This is included as an annex of the full T1/Sig report in **T1-010373**.

It was clarified that once this procedure has been clarified, it will be included in a PRD. At the next meeting, a final proposal will be presented; this document will include the database itself and the explanatory text.

AP12.12: T1/Sig to provide a final version of the verification database.
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8.3 TSG-T1/RF status report

Mr Yonekura presented the report from the T1/RF subgroup included in document **T1-010338**.

The main issues discussed:

- *RRM Test*: Joint meeting with R2/R4 resulting in three CRs.
- *R99 maintenance*.

- *Total Test Time optimisation*: Due to the statistical nature of BLER measurements, it is possible to get an early verdict by fixing some parameters. BER measurements are FFS.

- **34.121**

13 CRs were presented for approval. All the CRs were approved and were assigned the CR number indicated in the tables below.

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level
34.121	098		R99	Annex F Measurement uncertainty	F	3.5.0	3.6.0	T1-010342
34.121	099		R99	RX Spurious emissions	C	3.5.0	3.6.0	T1-010364
34.121	100		R99	Structure of RRM test cases	F	3.5.0	3.6.0	T1-010356
34.121	101		R99	Clause 8.2, Idle mode cell reselection delay tests	F	3.5.0	3.6.0	T1-010361
34.121	102		R99	Proposal for measuring method of Random Access	B	3.5.0	3.6.0	T1-010362
34.121	103		R99	Modification to OCNS code channels to allow for 384 kbps allocation	F	3.5.0	3.6.0	T1-010339
34.121	104		R99	Clarification of AWGN definition	F	3.5.0	3.6.0	T1-010340
34.121	105		R99	Correction to test for inner loop power control in the uplink (FDD)	F	3.5.0	3.6.0	T1-010341
34.121	106		R99	Core specification change for uplink inner loop power control	F	3.5.0	3.6.0	T1-010355
34.121	107		R99	Power Control mode in downlink	F	3.5.0	3.6.0	T1-010357
34.121	108		R99	Correction of frequency range for receiver spurious emission requirements	F	3.5.0	3.6.0	T1-010360
34.121	109		R99	Test numbering of multi-path fading propagation tests	D	3.5.0	3.6.0	T1-010363
34.121	110		R99	Measurement of the ON/OFF power during the PRACH preamble	F	3.5.0	3.6.0	T1-010370

T1-010356 was presented in detail: The sections has been restructure in order to follow the core specifications.

Status of completeness:

	Last meeting	Now
Transmitter	95%	100%
Receiver	95%	95%
Performance	90%	95%
Support of RRM	20%	20%
Annex	100%	100%

Outstanding issues:

- *Total test time*: BER measurement needs further investigation. In the UE the calculation of BER is different to BLER
- *RRM tests*: T1/Sig need to help to clarify some issues. This will be done in an ad-hoc in 11-12 October. The agenda for this meeting will also include UE positioning.
- *Maximum output power measurement*: Waiting for decision from RAN4. Probably ready by next meeting.
- *Rx spurious tests*: This issue will be also discussed in the ad-hoc with T1/Sig.

- **34.122**

16 CRs were presented for approval. All the CRs were approved and allocated the indicated CR number.

Spec	CR	Rev	Release	Subject	Cat	Version Current	Version -New	Doc-2nd-Level	Work item
34.122	036		R99	Replacement of Conformance requirements by Minimum requirements	D	3.4.0	3.5.0	T1-010345	
34.122	037		R99	Deletion of the test: Demodulation of BCH in Block STTD mode	F	3.4.0	3.5.0	T1-010344	
34.122	038		R99	Test conditions	F	3.4.0	3.5.0	T1-010347	
34.122	039		R99	Completion of test procedures & test system uncertainties	F	3.4.0	3.5.0	T1-010349	
34.122	040		R99	Maximum Test System Uncertainty for transmitter tests	F	3.4.0	3.5.0	T1-010351	
34.122	041		R99	Correction of Out-of-synchronisation test	F	3.4.0	3.5.0	T1-010353	
34.122	042		R99	UE power classes	F	3.4.0	3.5.0	T1-010354	
34.122	043		R99	Correction of frequency range for receiver spurious emission requirements	F	3.4.0	3.5.0	T1-010365	
34.122	044		Rel-4	Inclusion of Open Loop Power Control, 1.28 McpsTDD	B	4.0.0	4.1.0	T1-010358	LCRT DD
34.122	045		Rel-4	Inclusion of TDD/TDD Cell Reselection on intra-frequency cells, 1.28 Mcps TDD	B	4.0.0	4.1.0	T1-010359	LCRT DD
34.122	046		Rel-4	Deletion of the test: Demodulation of BCH in Block STTD mode (Rel-4)	A	4.0.0	4.1.0	T1-010343	TEI
34.122	047		Rel-4	Test conditions (Rel-4)	A	4.0.0	4.1.0	T1-010346	TEI
34.122	048		Rel-4	Completion of test procedures & test system uncertainties (Rel-4)	A	4.0.0	4.1.0	T1-010348	TEI
34.122	049		Rel-4	Maximum Test System Uncertainty for transmitter tests (Rel-4)	A	4.0.0	4.1.0	T1-010350	TEI
34.122	050		Rel-4	Correction of Out-of-synchronisation test (Rel-4)	A	4.0.0	4.1.0	T1-010352	TEI
34.122	051		Rel-4	Correction of frequency range for receiver spurious emission requirements (Rel4)	A	4.0.0	4.1.0	T1-010366	TEI

It was clarified that the following two R99 CRs do not need the mirror CR for Rel-4:

- **T1-010345**, because the changes have already been done in Rel-4
- **T1-010354**, because it is only applicable to R99

Status of completeness for R99:

	Last meeting	Now
Transmitter	90%	95%
Receiver	90%	95%
Performance	70%	95%
Support of RRM	0%	0%
Annex	80%	90%

Outstanding issues:

- *Limited number of contributions.*
- *Total Test time and support of RRM: Same as FDD.*

- **LS**

T1-010252 and **T1-010253** have already been sent and seen by T1.

The report was [noted](#).

9 Status of 34.910

The meeting agreed to extend the purpose of this document to other type of issues (not only regulatory). For example, to include the list of priority from NVIOT and GCF. Mr Simmons (Nortel) and Mr Savolainen (Nokia) will inform NVIOT and GCF about this, respectively.

Mr Nielsen will present a new version containing any comment received from different sources. Input from Japan received will be included.

Input from Japan has already been received in **T1-010270** that was [revised](#) in **T1-010377** and [noted](#) for inclusion in TR 34.910.

10 Postponed issues

None.

11 Review of TSG-T1 status report to TSG-T

None.

12 Any other business

Mr Hu informed that the RRM ad-hoc meeting (11-12 October in ETSI) will start at 9.00am and the invitation will be sent on RF and Sig e-mail reflector next Monday.

13 Closing of the meeting

Mr Nielsen thanked Samsung for hosting the meeting and closed the meeting at 14.40 on Friday.

Annex A. List of participants.

NAME	ORGANIZATION REPRESENTED	STATUS, PARTNER	COUNTRY	PHONE	E-MAIL
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Annex B. List of documents

Tdoc	Title	Source	Revised	Status
T1-010242	Agenda T1#12	Chairman		agreed
T1-010243	Draft report from T1 #11	ETSI MCC		agreed
T1-010244	LS on Response to LS (T1-010159) on Establishment of an Ad Hoc on RRM testing (R2-011480)	R2		noted
T1-010245	LS on Response to LS (T1-010165) on Corrections of RLC wording (R2-011482)	R2		noted
T1-010246	LS on Response to LS (T1-010238) on Problems with testing abnormal conditions in RRC signalling procedures (R2-011483)	R2		noted
T1-010247	LS on proposed addition to 34.108 (R1-010674)	R1		withdrawn
T1-010248	LS on proposed addition to 34.108 (R1-010677)	R1		noted
T1-010249	LS on Questions for Measurement accuracy of CPICH RSCP (R4-010773)	R4		noted
T1-010250	LS cc T1 on WI on the End-to-End QoS Architecture for Release 5 (S2-011098)	S2		noted
T1-010251	LS on Reply LS on authentication test algorithm to be implemented in test USIM (S3-010233)	S3		noted
T1-010252	LS to RAN4 cc T1 on Period of averaging to measure the Transmit OFF Power (T1R010183)	T1/RF		noted
T1-010253	LS to RAN2 cc T1 on Number of DRX cycle (T1R010184)	T1/RF		noted
T1-010254	Summary of the current state of the UE Split discussions	Mr Sood		noted
T1-010255	LS on UE Positioning testing aspects (R2-011765)	R2		noted
T1-010256	LS on Response to LS (T1R010184) on Number of DRX cycle (R2-011766)	R2		noted
T1-010257	LS on IP Based Multimedia Services Framework Report (S1-010869)	S1		noted
T1-010258	Report on NVIoT/6 activity	Nortel		noted
T1-010259	Draft report from T#12	ETSI MCC		noted
T1-010260	Draft report from SA#12	ETSI MCC		noted
T1-010261	T1 work items	Peter George		noted
T1-010262	Report from the GCF 3G workshop	Peter George		noted
T1-010263	Draft report from G4#5	ETSI MCC		noted
T1-010264	Draft report from G4#5 - Slides	ETSI MCC		noted
T1-010265	Draft report on UE Split	Chairman		noted
T1-010266	3GPP workplan	ETSI MCC		noted
T1-010267	LS on correction of Radio Bearer Configurations in TS 34.108 for TDD and FDD (R1-010986)	R1		noted
T1-010268	Proposed meeting schedule	Chairman	371	revised
T1-010269	Status report of e-mail approval	Vice-chairman (Nakagomi-san)		noted
T1-010270	Update to 34.910: Identification of test requirements for regulatory purpose in different regions/countries	NTT DoCoMo	377	revised
T1-010271	PRD T1-07: Handling of common issues between GERAN WG5 and T WG1	ETSI MCC		agreed
T1-010272	CR to 34.123-1 on merging of Rel4 and R99 protocol test specifications	ETSI MCC		agreed
T1-010273	CR to 34.123-2 on merging of Rel4 and R99 protocol test specifications	ETSI MCC		agreed
T1-010274	Report from T1/Sig	Signalling chairman		noted
T1-010275	CR to 34.108 on Correction to reference	T1/Sig		agreed
T1-010276	CR to 34.108 on Editorial modification for References	T1/Sig		agreed
T1-010277	CR to 34.108 on Some corrections in clause 5	T1/Sig		agreed
T1-010278	CR to 34.108 on Update to Scope Statement	T1/Sig		agreed
T1-010279	CR to 34.108 on Clause 6.10 Definition of RB configurations, TDD	T1/Sig		agreed

	parameters			
T1-010280	CR to 34.108 on Updates to clause 6.1, clause 7.4 and clause 9	T1/Sig		agreed
T1-010281	CR to 34.108 on Clause 6.1: Default radio conditions for Signalling tests	T1/Sig		agreed
T1-010282	CR to 34.108 on Correction of Radio Bearer Configurations for FDD Mode	T1/Sig		agreed
T1-010283	CR to 34.108 on Correction of Radio Bearer Configurations for TDD Mode	T1/Sig		agreed
T1-010284	CR to 34.108 on Changes to Signalling Radio Bearer (SRB) numbering	T1/Sig		agreed
T1-010285	CR to 34.108 on Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	T1/Sig		agreed
T1-010286	CR to 34.108 on Correction of system information block 5	T1/Sig		agreed
T1-010287	CR to 34.108 on Introducing of 1.28 Mcps TDD Mode in clauses 4, 5 and 6 (Rel-4)	T1/Sig		agreed
T1-010288	CR to 34.108 on Introduction of System Information Blocks for 1.28 Mcps TDD Mode (Rel-4)	T1/Sig		agreed
T1-010289	CR to 34.108 on Introduction of typical radio parameters for 1.28 McpsTDD (Rel-4)	T1/Sig		agreed
T1-010290	CR to 34.108 on clause 6.11 RBs for RLC and PDCP testing	T1/Sig		agreed
T1-010291	Not used	T1/Sig		
T1-010292	CR to 34.123-1 on Parameters update and Editorial corrections in clauses 7.2.3.1, 7.2.3.2.1, 7.2.3.23, 7.2.3.24	T1/Sig		agreed
T1-010293	CR to 34.123-1 on Corrections to Clause 13 General Tests	T1/Sig		agreed
T1-010294	CR to 34.123-1 on Modification in "Method of Test" for RBS test cases in Clause 14	T1/Sig		agreed
T1-010295	CR to 34.123-1 on Editorial modification for References	T1/Sig		agreed
T1-010296	CR to 34.123-1 on clause 7.3, PDCP tests	T1/Sig	378	revised
T1-010297	CR to 34.123-1 on Idle mode: Merge of T1S-010180 and 188	T1/Sig		agreed
T1-010298	CR to 34.123-1 on clause 7.4 BMC: editorial correction	T1/Sig	379	revised
T1-010299	CR to 34.123-1 on clause 7.1, MAC test cases	T1/Sig		agreed
T1-010300	CR to 34.123-1 on Corrections to RLC test case 7.2.2.2	T1/Sig		agreed
T1-010301	CR to 34.123-1 on Corrections to RLC test case 7.2.2.3	T1/Sig		agreed
T1-010302	CR to 34.123-1 on Corrections to RLC test case 7.2.2.8	T1/Sig		agreed
T1-010303	CR to 34.123-1 on Corrections to RLC test case 7.2.2.10	T1/Sig		agreed
T1-010304	CR to 34.123-1 on Corrections to RLC test case 7.2.2.9	T1/Sig		agreed
T1-010305	CR to 34.123-1 on Corrections to RLC test case 7.2.2.12	T1/Sig		agreed
T1-010306	CR to 34.123-1 on Corrections to RLC test case 7.2.2.29	T1/Sig		agreed
T1-010307	CR to 34.123-1 on Corrections to RLC test case 7.2.2.30	T1/Sig		agreed
T1-010308	CR to 34.123-1 on Corrections to RLC test case 7.2.2.33	T1/Sig		agreed
T1-010309	CR to 34.123-1 on Corrections to RLC test case 7.2.2.34	T1/Sig		agreed
T1-010310	CR to 34.123-1 on Updates to clause 8 and Annex A	T1/Sig		agreed
T1-010311	CR to 34.123-1 on RRC tests (section 8)	T1/Sig		agreed
T1-010312	CR to 34.123-1 on InterSystemHandover tests (section 8.3.7)	T1/Sig		agreed
T1-010313	CR to 34.123-1 on Update on Mobility Management	T1/Sig		agreed
T1-010314	CR to 34.123-1 on Addition of a SM test case for UE in GSM	T1/Sig		agreed
T1-010315	CR to 34.123-1 on clause 12 "Elementary procedure for Packet Switched Mobility Management"(GMM)	T1/Sig		agreed
T1-010316	CR to 34.123-1 on Update of radio bearer test cases	T1/Sig		agreed
T1-010317	CR to 34.123-1 on SMS test specification	T1/Sig		agreed
T1-010318	CR to 34.123-1 on RACH Test Procedures for 1.28 Mcps TDD (Rel-4)	T1/Sig		agreed
T1-010319	CR to 34.123-1 on Corrections to RLC test case 7.2.2.14	T1/Sig		agreed
T1-010320	CR to 34.123-1 on Corrections to RLC test case 7.2.2.7 and 7.2.2.13	T1/Sig		agreed
T1-010321	CR to 34.123-1 on RLC acknowledge mode test cases 7.2.3.14 and 7.2.3.34	T1/Sig		agreed
T1-010322	Not used	T1/Sig		

T1-010323	Not used	T1/Sig		
T1-010324	Not used	T1/Sig		
T1-010325	Not used	T1/Sig		
T1-010326	CR to 34.123-2 on applicability for PDCP and BMC	T1/Sig	380	revised
T1-010327	CR to 34.123-2 on Update on Mobility Management	T1/Sig		agreed
T1-010328	CR to 34.123-2 on Idle mode applicability: Merge of 202 and 204	T1/Sig		agreed
T1-010329	CR to 34.123-2 on Addition of a SM test case for UE in GSM	T1/Sig		agreed
T1-010330	CR to 34.123-2 on update to GMM ICS	T1/Sig		agreed
T1-010331	CR to 34.123-2 on Update of applicability of radio bearer test cases	T1/Sig		agreed
T1-010332	CR to 34.123-2 on update to SMS applicability	T1/Sig		agreed
T1-010333	CR to 34.123-2 on Update of Table of applicability tests of RACH test cases in TS34.123-2 to 1.28 Mcps TDD mode (Rel4)	T1/Sig		agreed
T1-010334	CR to 34.123-2 on Editorial modification for References	T1/Sig		agreed
T1-010335	Test selection and deselection during test execution	MCC Task 160		noted
T1-010336	34.123-3 v105	T1/Sig		not presented
T1-010337	MCC Task 160 September Status report	ETSI MCC	374	revised
T1-010338	Report from T1/RF	RF chairman		noted
T1-010339	CR to 34.121 on the Modification to OCNS code channels to allow for 384 kbps allocation	T1/RF		agreed
T1-010340	CR to 34.121 on Clarification of AWGN definition	T1/RF		agreed
T1-010341	CR to 34.121 on Correction to test for inner loop power control in the uplink (FDD)	T1/RF		agreed
T1-010342	CR to 34.121 on Annex F Measurement uncertainty	T1/RF		agreed
T1-010343	CR to 34.122 on Deletion of the test: Demodulation of BCH in Block STTD mode (Rel-4)	T1/RF		agreed
T1-010344	CR to 34.122 on Deletion of the test: Demodulation of BCH in Block STTD mode	T1/RF		agreed
T1-010345	CR to 34.122 on Replacement of Conformance requirements by Minimum requirements	T1/RF		agreed
T1-010346	CR to 34.122 on Test conditions (Rel-4)	T1/RF		agreed
T1-010347	CR to 34.122 on Test conditions	T1/RF		agreed
T1-010348	CR to 34.122 on Completion of test procedures & test system uncertainties (Rel-4)	T1/RF		agreed
T1-010349	CR to 34.122 on Completion of test procedures & test system uncertainties	T1/RF		agreed
T1-010350	CR to 34.122 on Maximum Test System Uncertainty for transmitter tests (Rel-4)	T1/RF		agreed
T1-010351	CR to 34.122 on Maximum Test System Uncertainty for transmitter tests	T1/RF		agreed
T1-010352	CR to 34.122 on Correction of Out-of-synchronisation test (Rel-4)	T1/RF		agreed
T1-010353	CR to 34.122 on Correction of Out-of-synchronisation test	T1/RF		agreed
T1-010354	CR to 34.122 on UE power classes	T1/RF		agreed
T1-010355	CR to 34.121 on Core specification change for uplink inner loop power control	T1/RF		agreed
T1-010356	CR to 34.121 on Structure of RRM test cases	T1/RF		agreed
T1-010357	CR to 34.121 on Power Control mode in downlink	T1/RF		agreed
T1-010358	CR to 34.122 on Inclusion of Open Loop Power Control, 1.28 McpsTDD	T1/RF		agreed
T1-010359	CR to 34.122 on Inclusion of TDD/TDD Cell Reselection on intra-frequency cells, 1.28 Mcps TDD	T1/RF		agreed
T1-010360	CR to 34.121 on Correction of frequency range for receiver spurious emission requirements	T1/RF		agreed
T1-010361	CR to 34.121 on clause 8.2, Idle mode cell reselection delay tests	T1/RF		agreed
T1-010362	CR to 34.121 on Proposal for measuring method of Random Access in TS34.121	T1/RF		agreed
T1-010363	CR to 34.121 on Test numbering of multi-path fading propagation tests	T1/RF		agreed
T1-010364	CR to 34.121 on RX Spurious emissions	T1/RF		agreed
T1-010365	CR to 34.122 on Correction of frequency range for receiver spurious emission requirements	T1/RF		agreed

T1-010366	CR to 34.122 on Correction of frequency range for receiver spurious emission requirements (Rel4)	T1/RF		agreed
T1-010367	CR to 34.123-1 on inclusion of pointer to maintained specification	ETSI MCC		agreed
T1-010368	CR to 34.123-2 on inclusion of pointer to maintained specification	ETSI MCC		agreed
T1-010369	Status of 34.109	Ericsson		noted
T1-010370	CR to 34.121 on Measurement of the ON/OFF power during the PRACH preamble	T1/RF		agreed
T1-010371	Revision of 268	chairman		agreed
T1-010372	LS to T2 concerning future Joint meeting in November	Samsung		withdrawn
T1-010373	Report from T1/Sig #19	Signalling chairman		noted
T1-010374	Revision of 337	ETSI MCC		noted
T1-010375	Application Interest Group, Minutes of 2nd Meeting, 6th September, 2001	Peter George	376	revised
T1-010376	Revision of 375	Peter George		noted
T1-010377	Revision of 270	NTT DoCoMo		noted
T1-010378	Revision of 296	Cetecom		agreed
T1-010379	Revision of 298	Cetecom		agreed
T1-010380	Revision of 326	Cetecom		agreed

Annex C. List of LSs out

None.

Annex D. Proposed Meeting Schedule for TSG-T1

3GPPT-#13	19 - 21 Sep 2001	Beijing	China
3GPPSA-#13	24 - 27 Sep 2001	Beijing	China
3GPPGERAN4-#6	8 - 10 Oct 2001	Sophia Antipolis	France
3GPPT2-SWG1 MExE	9 - 11 Oct 2001	TBD	
3GPPSA-FUTURE			
EVOLUTION WORKSH	18 - 19 Oct 2001	Helsinki	Finland
3GPPRAN2-#24	22 - 26 Oct 2001	New York	USA
3GPPRAN4-#20	12 - 16 Nov 2001	New York	USA
3GPPRAN2-#25	26 - 30 Nov 2001	Makuhari	Japan
3GPPT2-#15	26 - 30 Nov 2001	Cancun	Mexico
3GPPT1-SIG #19	26 - 28 Nov 2001	Cancun	Mexico T1P1
3GPPT1-RF #21	26 - 28 Nov 2001	Cancun	Mexico T1P1
3GPPT1-#13	29 - 30 Nov 2001	Cancun	Mexico T1P1
3GPPGERAN-#7	26 - 30 Nov 2001	Cancun	Mexico
3GPPGERAN4-#7	27 - 29 Nov 2001	Cancun	Mexico – conflict, but cannot be moved
3GPPT-#14	12 - 14 Dec 2001	Kyoto	Japan
3GPPSA-#14	17 - 20 Dec 2001	Kyoto	Japan
3GPPRAN2-#26	7 - 11 Jan 2002	Sophia Antipolis	France
GSMA TWG	4-8 Feb 2002	Istanbul	
3GPPRAN4-#21	4 - 8 Feb 2002	TBD	
3GPPGERAN-#8	4 - 8 Feb 2002	TBD	

3GPPT2-#16	11 - 15 Feb 2002	TBD	
3GPPRAN2-#27	11 - 15 Feb 2002	Sophia Antipolis	France
3GPPT1-SIG	18 – 20 Feb 2002	TBD	Host required
3GPPT1-RF	18 - 20 Feb 2002	TBD	Host required
3GPPT1-#14	21 - 22 Feb 2002	TBD	Host required
GSM/3G world congress	18 – 22 Feb 2002	Cannes	France
3GPPT-#15	6 - 8 Mar 2002		KOREA
3GPPSA-#15	11 - 14 Mar 2002		KOREA
3GPPRAN2-#28	1 - 5 Apr 2002		Japan
3GPPGERAN-#9	15 - 19 Apr 2002	TBD	
3GPPT2-#17	13 - 17 May 2002	TBD	
3GPPRAN4-#22	13 - 17 May 2002	TBD	
3GPPRAN2-#29	13 - 17 May 2002		Korea
3GPPT1-SIG	20 –22 May 2002	TBD	Host required
3GPPT1-RF	20 –22 May 2002	TBD	Host required
3GPPT1-#15	23 –24 May 2002	TBD	Host required
3GPPT-#16	5 - 7 Jun 2002	Marco Island, Florida, USA	
3GPPSA-#16	10 - 13 Jun 2002	Marco Island, Florida, USA	
3GPPRAN2-#30	24 - 28 Jun 2002		Italy
3GPPGERAN-#10	24 - 28 Jun 2002	TBD	
3GPPT1-SIG	29 -31 July 2002	TBD	Host required
3GPPT1-RF	29 -31 July 2002	TBD	Host required
3GPPT1-#16	1 – 2 Aug 2002	TBD	Host required
3GPPRAN4-#23	12 - 16 Aug 2002	TBD	
3GPPT2-#18	19 - 23 Aug 2002	TBD	
3GPPRAN2-#31	19 - 23 Aug 2002	Sophia Antipolis,	France

3GPPGERAN-#11	26 - 30 Aug 2002	TBD		
3GPPT-#17	4 - 6 Sep 2002		FRANCE	
3GPPSA-#17	9 - 12 Sep 2002		FRANCE	
3GPPRAN2-#32	30 Sep - 4 Oct 2002	Sophia Antipolis, France		
3GPPT1-SIG	4-6 Nov 2002	TBD		Host required
3GPPT1-RF	4-6 Nov 2002	TBD		Host required
3GPPT1-#17	7-8 Nov 2002	TBD		Host required
3GPPRAN4-#24	11 - 15 Nov 2002	TBD		
3GPPRAN2-#33	11 - 15 Nov 2002		China	
3GPPT2-#19	18 - 22 Nov 2002	TBD		
3GPPGERAN-#12	18 - 22 Nov 2002	TBD		
3GPPT-#18	4 - 6 Dec 2002		USA	
3GPPSA-#18	9 - 12 Dec 2002		USA	

History

Date	Revision	Comments
12/09/01	0	First draft
13/09/01	1	Correction of errors in CR tables
14/09/01	2	Inclusion of Tdoc T1-010336 on the Tdoc list; comments from Mr Mattisson and Mr Filiatrault

Comments on this report may be sent by e-mail to Lidia Salmeron

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