PVG#46 Report

Version: 9th September 2009
meeting location: Malaga/Spain
date of meeting: 18th – 19th August 2009
Chair/Report: Thomas Jaeger

Contents:

0   Meeting Organisation

The PVG#46 meeting took place on the 18th and 19th August 2009 kindly hosted by AT4 Wireless in Spain.

All validation documents were submitted via the PTCRB database. All other meeting documents have been made available for the delegates on www.ptcrb.com (PVG Member area).

0.1   Participants

PVG46_0173_09_participants_at_the_meeting.pdf

0.2   Documentation submitted prior to the meeting

5-day-rule-documents
See PTCRB TC database

Validation documents
See PTCRB TC database

membership-applications-and-changes
PVG46_0131_09_Cetecom_Saarbruecken_PVG Application.zip
PVG46_0133_09_Application_to_PVG_observer_membership.zip
PVG46_0134_09_PVG-02_V_2.2.0_Eurofins_Change.doc.zip
PVG46_0135_09_PVG-02_Change_of_Annex2_TCC Nokia_contact.zip
PVG46_0136_09_PVG-02_V_2.2.0_change_Qualcomm_Q-Lab_contact.zip
PVG46_0137_09_PVG-02_V_2.2.1_TMC Contact.zip

Other documents
PVG46_0128_09_0924957 Rel-7 Ciphering RFT.doc
PVG46_0129_09_GCF_UTRA_priolist.zip
PVG46_0130_09_PVG-02_V_2.2.1.doc
PVG46_0138_09_Input on FDDIV_RSE.zip
PVG46_0139_09_Introduction_of_a_PTCRB_Laboratory_Competency_Matrix.zip
PVG46_0140_09_PVG-03_V1_6_5_change_rapporteur_RFT052.zip
PVG46_0141_09_Splitting_31_4_2_1_x_and_31_4_4_1_1.zip
PVG46_0142_09_RFT008-058.zip
PVG46_0143_09_CR_NAPRD03_SUPL_IOP.zip
PVG46_0144_09_Discussion_on_TP_exceptions_and_limitiations.zip
PVG46_0145_09_Testing Solutions Info Sheet.pdf
PVG46_0146_09_0926557 Category E to A Candidates.xls
PVG46_0169_09_PVG-03_V_1_6_6_with_revision_marks.DOC

PVG46_0170_09_PVG-02_V_2.2.1_CR_TS_Administration.doc

PVG-meeting-agenda-and-reports

PVG46_0132_09_agenda_rev2.doc
PVG46_0172_09_report_rev0.doc

RFT-status-reports

PVG46_0147_09_RFT044_GAN Status Report.zip
PVG46_0148_09_RFT60_Device_Management_Status.zip
PVG46_0149_09_RFT062_TTY.zip
PVG46_0150_09_RFT071_EGAN Status Report.zip
PVG46_0151_09_RFT073_Improved L2_Support_Status.zip
PVG46_0152_09_Status_of_64QAM(RFT072).zip
PVG46_0153_09_RFT29_Status.zip
PVG46_0154_09_RFT052_status_report.zip
PVG46_0155_09_RFT058_USAT.zip
PVG46_0156_09_RFT065_SUPL.zip
PVG46_0157_09_RFT066_FDD_Interband Status Report.zip
PVG46_0158_09_RFT067_Status_Report.zip
PVG46_0159_09_RFT74_Status_of_Improved_Coverage_For_Inner_Loop_Power_Control.zip
PVG46_0160_09_RFT075_CPC_status.zip
PVG46_0161_09_RFT077_AT_Commands.zip
PVG46_0162_09_RFT080_RRC_Redirect_Status_Report_r1.zip
PVG46_0163_09_RFT081_Status_Report.zip
PVG46_0164_09_RFT_064_FDD_Rel-6_Enhancement.zip
PVG46_0165_09_RFT_079_Classmark_and_Capability_Message_Audit.zip
PVG46_0166_09_Status of R5 HSDPA (RFT031).zip
PVG46_0167_09_Status of R6 HSUPA (RFT048).zip
PVG46_0168_09_RFT053_IMS Call Control Rel-5-6.zip
PVG46_0171_09_RFT076_LTE_Status.zip

post-meeting-and-revised-documents

PVG46_0139_09_Introduction_of_a_PTCRB_Laboratory_Competency_Matrix_r1.zip
PVG46_151r1_09_RFT073_Improved_L2_Support_Status.zip
PVG46_0152_09_Status_of_64QAM(RFT072)_r1.zip
PVG46_0153_09_RFT29_Status_r1.zip
PVG46_0155r1_09_RFT058_USAT.zip
PVG46_0159_09_RFT74_Status_of_Improved_Coverage_For_Inner_Loop_Power_Control_r1.zip
PVG46_160_09_RFT075_CPC_status_r1.zip
PVG46_0163_09_RFT082_Status_Report_R1.zip
PVG46_0164_09_RFT_064_FDD_Rel-6_Enhancement_r1.zip
PVG46_0165_09_RFT_079_Classmark_and_Capability_Message_Audit_r1.zip
PVG46_0166_09_Status of R5 HSDPA (RFT031) r1.zip
PVG46_0170_09_PVG-02_V_2.2.1_CR_TS_Administration_rev2.doc
PVG46_0174_09_PTCRB_LS on status for RRM test case 8.3.1.zip

PVG46_0175_09_RFT081_Status_Report.zip
PVG46_0176_09_PNWG090601_Module_RSE_Test_Reduction_Work Item_RevA.ppt
PVG46_0177_09_PTCRB LS to GERAN3 on Classmark Message Audit.zip
PVG46_0178_09_draft_meeting_report_G3#43_20090901.zip

0.3 Docs and Report from the last PVG ad-hoc meeting

PVG46_0126_09_ad-hoc_meeting_report_2009-06-25.pdf
PVG46_0127_09_ad-hoc_meeting_attendance_1_2009-06-25.pdf
PVG46_0127_09_ad-hoc_meeting_attendance_2_2009-06-25.pdf

1   *Status of actions*

Action 44/13 on Cetecom
PVG.05: to LS with 3GPP on most recent validity of redundancy statements in GSM standards.

Cetecom has drafted a LS for review at PTCRB. It is planned to send the LS to the next GERAN meeting in August. LS has been submitted and we need to wait for the feedback. The PTCRB chair informed Cetecom that no LS should be sent to GERAN. Therefore PVG.05 remains unchanged. The action will be closed.

Action 44/15 on ADR
RFT029 - Handling of Acoustic testing with NoiseSuppression: to submit a CR to 3GPP SA4 in order to cover the issue as reported in PVG44_0006_09.

The CR is under preparation (see PVG45_0120_09_26132_CRxxxR0_(Rel9)_SA_09 xxxx.doc) and it will be send to SA4#54 meeting on 22nd June 2009. A revised CR will be presented at SA5#55 meeting in August 2009. PVG will review this action at PVG#47.

Action 44/20 on PTCRB
RFT065: to review the proposal in document PVG44_0018_09 and feedback comments to PVG. PVG should receive feedback by PVG#45. TC Database CR919 is put on hold subject to PVG#45.

The feedback on the deletion of the two SUPL test cases is still pending.
Until confirmation is received to delete these test cases, please do not remove them.
PTCRB agreed at the last meeting to delete the two test cases.

Action 45/04 on Cetecom
RFT067:   PTCRB accepted the PVG proposal to implement four new test cases from RFT067 into the TC database 51.010-1. CTC needs to implement the test cases into the 51.010-1 database version.

The action has been not yet completed since an additional question on the "test specification administration" need to be clarified by CTIA. The action has been allocated to the rapporteur after clarification at the last PTCRB meeting (#56). The test specification and test cases have been added. The action is cleared.

Action 45/05 on AT4 wireless
RFT071 (E-GAN):   PTCRB accepted the PVG proposal to implement new E-GAN test cases into the TC database 51.010-1. AT4 to implement the test cases into the 51.010-1 database version

The action has been not yet completed since an additional question on the "test specification administration" need to be clarified by CTIA. The action has been allocated to the rapporteur after clarification at the last PTCRB meeting (#56). The test cases have been not yet released in the 3GPP test specification. PVG will review this action at PVG#47.

Action 45/06 on TC database administrator CTIA
It has been identified that the role of the "test specification administrator" has been not

yet allocated. There are several options on who should be responsible for adding new SDO test specification and test cases prior to the RFT rapporteur action to select them for new or existing RFT`s. CTIA is kindly asked to advise on how they would like to move forward.

CTIA clarified that the individual PVG rapporteur should also cover the test specification administrator role. The action item is closed.

Action 45/08a on all PVG members
to review and comment PVG45_0125_09 by the next meeting.

The action is still ongoing and PVG members need review the SGS proposal on the Validation Report Information within PTCRB TC database. PVG will review this action at PVG#47.

Action 45/09 on PVG Chair
to revise PVG.02 according to all approved changes

The action has been completed. The new version 2.2.1 has been made available.

Action 45/10 on PTCRB
to review and feedback changes on RFT priorities for the next PVG-ad-hoc meeting.

The RFT priorities have not changed. The action has been closed.

Action 45/11 on PTCRB:
Confirm that new test case 30.20 will be introduced according to the 3GPP 51.010-1 test specification adjustments (see PVG45_0078_09).

PTCRB confirmed that the relevant test 30.20 should be introduced. The action has been closed.

Action 45/12 on all PVG members:
all PVG members (test labs) should comment on PVG45_0095_09 to SCC

The action item is clarified.

Action 45/13 on SCC:
1. Summarize GERAN meeting argumentation on removing this requirement and PVG member consideration
2. Prepare document for submission to PTCRB

The action is done.

Action 45/14 on PTCRB:
PVG asks PTCRB to review document PVG45_0098_09_r1 and to decide on:
a) PTCRB view on P-Channels usage in their networks (need to keep requirements?)
b) PTCRB requirement to keep the P-Channel test cases or remove them according to Annex A1 of document PVG45_0098_09_r1
c) If PTCRB decides that P-channel test cases can be removed then send LS to GERAN3 and RAN5 as proposed in PVG45_0098_09_r1

PTCRB accepted the proposal to remove the P-Channel tests. The action is closed.

Action 45/15 on PVG rapporteur RFT029, RFT031, RFT048, RFT064:
PVG rapporteurs are kindly asked to allocated "I-RAT-Single" or "All" to all relevant test cases.

RFT064: done
RFT031: done
RFT048: done
RFT029: CR raised, done

Action 45/16 on PTCRB:
to approve or reject especially the following "One-UE-validations" Change Requests: a) PTCRB TC database CR1152 b) PTCRB TC database CR1173 c) PTCRB TC database CR1178 (re-submission)

The CRs were approved- The action is closed.

Action 45/17 on PVG chair:
Change RFT in PVG.03 to "IMS-CC Release 5/6 only

The action has been completed.

Action 45/18 on PTCRB:
to review and approve the new TTY test specification

The new TTY test specification was approved by PTCRB. The action is closed.

Action 45/19 on PTCRB:
to consider reverting previous "cat. A" test cases back to their original status according to the RFT status report.

The action has been completed.

Action 45/22 on PTCRB:
to approve or reject the proposal to add the test case 9.3.1A to RFT072

PTCRB agreed to add the new test case.

Action 45/23 on PTCRB:
a) It is requested that PTCRB review both RF and SIG test case lists from RAN5 (see status report) and confirm priority scheduling of test cases for inclusion in the PTCRB Certification Scheme. b) to add the new LTE test specifications, new frequency bands, FDD XII and XVII in the PTCRB TC database

The RF list within the RFT status report has been accepted. The SIG list should be based on PTCRB document 0912056. PTCRB asked PVG to follow always the RAN5 priorities.

Action 45/25 on PTCRB:
to review and approve initial AT command test specification as given in PVG45_0084_09_r1.

The AT command test specification was approved. The ad-hoc group was asked to progress further issues such as
a) applicabilities and accreditation issues as well as
b) adding the new AT commands as mandated by the AT&T SME (subject to PVG#47)

Action 45/26 on TCC Nokia:
to review the situation based on PNWG outcome that FCC and 3GPP can be not compared

The subject is covered by the agenda.

Action 45/28 on PTCRB:
to consider the complex options of document PVG45_0115_09_r1 in context to the efforts and consequences

Scott Prather from AT&T made clear that this RFT should be limited to the Classmark 2 and Classmark 3 verification only. The audit should start to use the four available test cases as method to compare the results with the manufacturer`s PICS statements.

Action 45/29 on Cetecom:
to submit the corresponding TC database CR (see document 119_09) within the post meeting session

The action is closed.

Action 45/30 on PTCRB:
to correct the TC database content along the lines of the documents provided:
a) PVG45_0077_09
b) PVG45_0100_09

 The CRs were approved- The action is closed.

Action 45/31 on CTIA:
CTIA is kindly requested to inform PVG members on the status of their various individual inputs regarding the PTCRB TC database.

CTIA accepted an action to submit feedback after PTCRB#56

Action 45/33 on SCC:
SCC will summarize the latest discussion results and prepares an input contribution for PTCRB#57 in September 2009.

The action is covered by the agenda.

Action 45/34 on all PVG members:
to consider hosting the November 2009 meeting in central Europe.

The next meeting can be hosted by the 7 layers in Germany.

Action 46/01 on Cetecom:
to take about this new RFT "OTA RF Antenna Performance"

The action is covered by the agenda.

Action 46/02 on Ericsson:
to prepare the CRs for removing all 68 P-Channel Tests

The action is closed on the basis of the prepared CRs.
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2   PVG membership

2.1   PVG Full Member Applications

Test Labs
No applications

2.2   PVG Observer Applications

Cetecom, Saarbrücken/Germany

Doc: PVG46_0131_09_Cetecom_Saarbruecken_PVG Application.zip

The application was approved.

Test Equipment Manufacturers

Doc: PVG46_0133_09_Application_to_PVG_observer_membership.zip

The application was approved.

2.3   Other membership changes

Documents	Comment	Status
PVG46_0134_09_PVG-02_V_2.2.0_Eurofins_Change.doc.zip	Name changes	Approved
PVG46_0135_09_PVG-02_Change_of_Annex2_TCC Nokia_contact.zip	Name changes	Approved
PVG46_0136_09_PVG-02_V_2.2.0_change_Qualcomm_Q-Lab_contact.zip	Name changes	Approved
PVG46_0137_09_PVG-02_V_2.2.1_TMC Contact.zip	Name changes	Approved

Within the post meeting session TCC Nokia provided the following change information by email:

TCC Nokia	Copenhagen, Denmark	Flemming Nielsen	+4533294260	flemming.1.nielsen@nokia.com
TCC Nokia	Tampere, Finland	Markus Hanhisalo	+19728946199	markus.hanhisalo@nokia.com
TCC Nokia	Salo, Finland	Timo Seppälä	+358718076501	timo.seppala@nokia.com

All changes will be incorporated into a new version of PVG.02.

3   PVG.02

Doc: PVG46_0130_09_PVG-02_V_2.2.1.doc

This document (latest version) is provided for information.

Doc: PVG46_0170_09_PVG-02_V_2.2.1_CR_TS_Administration.doc

The document was revised in order to include additional information as discussed at the meeting (PVG46_0170_09_PVG-02_V_2.2.1_CR_TS_Administration_rev2.doc).

At this stage an additional discussion took place about the training needs for PVG members being involved in specific TC database work. SGS and Cetecom requested further training on specific PTCRB TC database use cases mainly for RFT rapporteurs and test specification administrators. It was decided that the PVG chair will contact CTIA to discuss the training options for PVG members.

Action 46/03 on PVG Chair
The PVG chair was requested to contact CTIA to discuss the TC database training options for PVG members in their roles of being rapporteurs and test specification administrators.

Post Meeting Notice: The PVG Chair agreed with CTIA that further training should be held. The next comprehensive training session should be offered at the PVG#47 meeting in Germany. This training will be related to a new version being released in this time frame.
In the meantime additional training can be provided to cover the current activities. This can be executed either by a separate meeting in Germany or Web-based conferencing. Further details will be discussed at the next PVG-ad-hoc meeting.

Action 46/03a on PVG Chair
Fix training schedule on the current PTCRB TC database version together with PVG delegates at the next PVG-adhoc meeting.

Some delegates remarked that all answers on the "TC DB help Group" reflector should be displayed accordingly. At the moment responses are being submitted under their own name rather than under the name of the new reflector.

Action 46/04 on CTIA:
The email Address should display as "TC DB help Group" of people responding to any requests

4 PVG.03

Doc: *PVG46_0169_09_PVG-03_V_1_6_6_with_revision_marks.DOC*

The document (latest version) is provided for information.

This version includes the most recent PTCRB priorities and UE validation expectations.

Doc: *PVG46_0140_09_PVG-03_V1_6_5_change_rapporteur_RFT052.zip*

The submission is already covered by the document PVG46_0169_09.

5 PVG.04

Doc: *PVG42_2297_08_PVG-04_V_1_2_0_r1.zip*

The status of this document is unchanged.

6 PVG.05

Doc: *PVG44_0020_09_PVG-05_V_1_0_1_rev1.zip*

This document (latest version) is provided for information.

7   PVG Work Items

7.1   Validation progress and RFT management

7.1.1   General issues

Documents	Comment	Status
TC database CR 1346 Addition of TC 30.20 to RFT000	Action item from PVG#45	agreed
TC database CR 1473 RFT009 Removal of P-Channel TC's	Test cases set to category "N"	agreed
TC database CR 1474 RFT018_Editorial_Update	Tested Band Information were missing	Agreed
TC Database CR 1426 RFT018_Downgrade_P-Channel_TCs_Cat_N	Test cases set to category "N"	Agreed
TC Database CR 1472 Adding "Bearer to be Tested"-Attribute to RFT-008 test cases		Agreed
TC Database CR 1430 RFT027_Removal_of_P-Channel_TC_42.4.5.3	Test cases set to category "N"	Agreed
TC Database CR 1498 Split of test cases	Action 46/05 cleared	Agreed

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PVG46_0141_09_Splitting_31_4_2_1_x_and_31_4_4_1_1.zip	It was clarified that the proposal is in line with 51.010-1. It was suggested to raise an appropriate CR for GERAN on 51.010-2.	approved

Action 46/05 on RTS:
Draft a 51.010-2 CR for GERAN WG3.
The action was completed. As a result GP-091576 was created and was submitted to GERAN3 for agreement. This CR is "agreed" in the last GERAN3 meeting. See attached "draft meeting report" (PVG46_0178_09_draft_meeting_report_G3#43_20090901.zip). RTS mentioned that the CR to create the new splitted test cases will have to be postponed to the next PVG meeting. However the PVG admin executed the necessary work already in the meantime and the corresponding TC database CR was approved (CR#1498, see above).

Action 46/05a on RTS:
To introduce the new test cases according to the agreed GERAN WG3 CR.

It is also an action of the RFT rapporteur to execute and monitor the following schedule:
1. Create new Test Cases in TC Database
2. Select new TCs in RFT
3. Add validation information
4. Notify PTCRB chair to set "E" to "A"
5. Downgrade previous parent test cases

PVG46_0142_09_RFT008-058.zip		noted

Action 46/06 on CTC: Check on how this advise can be made available for every affected test case in the PTCRB TC database.

PVG46_0144_09_Discussion_on_TP_exceptions_ and_limitiations.zip		noted

Action 46/07 on 7 layers: It was decided that 7 layers will lead a small ad-hoc group to discuss this issue. Initially it is requested to draft a list of features limited e.g. by the current market situation (Multi-Slot-Class,…). It may be appropriate to create later on a "PTCRB recommended feature set" defining the market specific expectations by also excluding any features that may be not required to look at.

Post Meeting Note:
Initial inputs were provided by Rohde & Schwarz. Jan Springer (7 layers) is waiting for further comments from other test equipment vendors.

7.1.2   *Validation reports on closed RFT`s*

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
TC Database CR 1425 Correction of database content regarding VT IOP test cases	PTCRB need to change these test cases as soon as possible from "E" to "A" since they have been in A before.	agreed

7.1.3   RFT 029 (UTRA-FDD II, IV, V)

PVG Rapporteur: 7 layers

Report from rapporteur

PVG46_0153_09_RFT29_Status_r1.zip
 	
The following details were highlighted
    a) Split of 3GPP TS 26.132 test case 7.5.1
    b) Status of 3GPP TS 34.121 test case 8.3.1 is in CAT P, as it still needs to be resolved at RAN5
    c) approve CR1375 in order to set three more test cases to N
    d) to approve CR1376
 	
The validation status is given at 99,8%.
 	
PTCRB will be asked to review the need on keep the RRM test case 8.3.1. PVG will prepare the appropriate LS for PTCRB to be submitted to RAN5 such in case the test case will be still important for PTCRB.

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1375 RFT029 – set TC 8.4.1.35 to N		agreed
TC Database CR 1376 RFT 029 - Assign attribute "I-RAT-Single" or "All" to relevant tests		Agreed
TC Database CR 1413 PVG46_RFT029_InitValOn_ANITE_SAT_TP50 T51_TP71_2009-07-30		Agreed
TC Database CR CR 1486 Split of test case 7.5.1	Executed in the post meeting session	Agreed

Other documents	Comment	Status
None		

Action 46/08 on 7 layers:
prepare RAN5 LS in the PVG post meeting session
The action has been completed. The RAN5 LS is being prepared in document "PVG46_0174_09_PTCRB_LS on status for RRM test case 8.3.1.zip"

Action 46/09 on PTCRB:
Review the need for keeping RRM test case 8.3.1 (see status report PVG46_0153_09)

7.1.4 RFT 031 (HSDPA)

PVG Rapporteur: RFI

Report from rapporteur
PVG46_0166_09_Status of R5 HSDPA (RFT031) r1.zip One new validation was presented. The validation progess has reached 100% for FDD2 and FDDV as well as 88,4% for FDDIV.

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1384		withdrawn
TC Database CR 1409 PVG46_RFT031_TC_11.1.1.1a_ANITE_SAT_TP50 T51_TP71_2009-07-20	One-UE-Validation on FDDIV; T-Mobile US has been consulted	agreed
TC Database CR 1490 To correct bearer to be tested & release for RFT031	Executed in the post meeting session	agreed
TC Database CR 1491 Removal of redundant entries for RFT031	Executed in the post meeting session	agreed

Other documents	Comment	Status
None		

Action 46/10 on PTCRB: to agree or reject the One-UE-validation in TC DB CR 1409

7.1.5 RFT 044 (GAN)

PVG Rapporteur: AT4Wireless

Report from rapporteur
PVG46_0147_09_RFT044_GAN Status Report.zip The validation status is unchanged at 89.7%. It is not yet clear when the remaining test cases may become available on a validated basis.

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status
None		

7.1.6   RFT 048 (HSUPA)

PVG Rapporteur: RFI

Report from rapporteur
PVG46_0167_09_Status of R6 HSUPA (RFT048).zip The validation progress has reached 97.1% for FDDII, 79,4% for FDDIV and 98,6% for FDDV.

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1385		Withdrawn
TC Database CR 1414 PVG46_RFT048_InitValOn_ANITE_SAT_TP50 T51_TP71_2009-07-30		Agreed
TC Database CR 1427 PVG46_xxx_09_TP57_RFT048_03_Aug		Agreed
TC Database CR 1443 PVG46_RFT048_InitValOn_ANITE_SAT_TP50 T51_TP71_2009-07-20_rev2	One-UE-Validation on FDDIV; T-Mobile US has been consulted	Agreed
TC Database CR 1492 To correct bearer to be tested & release for RFT048	Executed in the post meeting session	agreed
TC Database CR 1493 Removal of redundant entries for RFT048	Executed in the post meeting session	agreed

Other documents	Comment	Status
None		

Action 46/11 on PTCRB:
to agree or reject the One-UE-validation in TC DB CR 1443

7.1.7   RFT 052 (MMS 1.x)

PVG Rapporteur: TTA

Report from rapporteur
PVG46_0154_09_RFT052_status_report.zip

No new validation reports have been submitted in this meeting. Thus there is no change of validation status. It was discussed that new PVG rapporteur need to check the propability of getting the missing features implemented.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
TC Database CR 1470 Change of Rapporteur of RFT 052	*The rapporteur should change to DANIEL NAM*	Withdrawn

Other documents	*Comment*	*Status*
None		

7.1.8   RFT 053 (IMS Call Control 5/6)

PVG Rapporteur: CGC

Report from rapporteur
PVG46_0168_09_RFT053_IMS Call Control Rel-5-6.zip The validation remains unchanged at 80%.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
None		

7.1.9   RFT 058 (USAT)

PVG Rapporteur: Seqal

Report from rapporteur
PVG46_0155r1_09_RFT058_USAT.zip One initial validation report for FDD IV has been submitted to PVG#46. The validation progress on FDDIV has reached now 92.5%

Validation Documents	*Comment*	*Status*
TC Database CR 1417 RFT058_TP82_TS31.124_V4.3.3_FDD4 (IT3 and Anritsu = TP82)		Agreed

Other documents	Comment	Status
None		

7.1.10   RFT 060 (OMA Device Management)

PVG Rapporteur: ITL

Report from rapporteur
PVG46_0148_09_RFT60_Device_Management_Status.zip The Revalidation of test case DM-v1.2-client-con-0701 (CR#1445 and #1446) took place. The validation status is changed now to 92%. PVG will investigate if the remaining missing features will be ever made available in UEs. The next update will be provided at PVG#47.

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1445 PVG46_RFT060_TP85_OMA_DM1_2_20090803		Agreed
TC Database CR 1446 PVG46_RFT060_TP41_OMA_DM1_2_20090803		Agreed

Other documents	Comment	Status
None		

7.1.11   RFT 062 (TTY over UTRA-FDD)

PVG Rapporteur: 7 layers

Report from rapporteur
PVG46_0149_09_RFT062_TTY.zip The validation status has been unchanged. The test cases based on the new test specification have been added. Once the equivalent test cases from the PTCRB Bearer-Agnostic TTY Test Specification (Reference: PTCRB#56 Doc#0912156) are validated test cases from TTY Test Specification 3G (Reference: PTCRB#49 Doc#0736249) and TTY Test Specification 2G (Reference: PTCRB Doc#0736149) will be removed from the PTCRB TC database. The draft of the new test case "E911 3G to 2G Redirection" is outstanding.

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1456 Add test cases of bearer agnostic TTY test specification to RFT062		agreed

Other documents	Comment	Status
None		

7.1.12 RFT 064 (Rel.6 Enhancements)

PVG Rapporteur: RIM Testing Services

Report from rapporteur
PVG46_0164_09_RFT_064_FDD_Rel-6_Enhancement_r1.zip There was one validation submitted to PVG#46 for RFT-064. The new validation status is given as: FDDII: 99% FDDIV: 88% FDDV: 100% It was proposed to add four new test cases as also being recommended by GCF. PVG discussed that is necessary to add an appropriate justifications within the RFT status report.

Validation Documents	Comment	Status
TC Database CR 1391		Agreed
TC Database CR 1415 PVG46_RFT064_InitValOn_Anite_SAT_TP50_TP51_TP71_2009-07-30		Agreed

Other documents	Comment	Status
None		

Action 46/12 on PTCRB: to review the proposal for adding four additional test cases (see PVG46_0164_09_r1).

Action 46/13 on RTS: to check on how the new test cases can be added to PTCRB TC Database 3GPP test specification 34.121 and being adopted to this RFT

RTS reported that the PTCRB database CR to add in the 4 HSDPA RF Performance will have to be postponed to the next PVG meeting.

7.1.13 RFT 065 (OMA SUPL)

PVG Rapporteur: 7 layers

Report from rapporteur
PVG46_0156_09_RFT065_SUPL.zip

The CR 919 on the deletion of the two test cases under discussion was agreed.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
PVG46_0143_09_CR_NAPRD03_SUPL_IOP.zip		Agreed

Action 46/14 on PTCRB:
to review and approve the NAPRD.03 CR in document PVG46_0143_09

7.1.14 RFT 066 (FDD Inter-Band Conformance)

PVG Rapporteur: Seqal

Report from rapporteur
PVG46_0157_09_RFT066_FDD_Interband Status Report.zip The validation status remains unchanged. Only one test case validation has been not yet completed.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
None		

7.1.15 RFT 067 (Multi-Band Multi-Rat)

PVG Rapporteur: Cetecom

Report from rapporteur
PVG46_0158_09_RFT067_Status_Report.zip The test cases have been added to the test specifications at the PTCRB TC Database. The PVG administrator will release the new version in the database so that the RFT rapporteur can select the new test cases accordingly.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	Comment	Status
None		

> **Action 46/15 on Cetecom:**
> 1. Check on how 3GPP 51.010 test specification (version 3) can be deleted from TC DB
> 2. Evaluate on how new 3GPP 51.010 test cases can be added to "Version 2"
> 3. Evaluate on how new 3GPP 34.123 test can be added to "Version 1" of this specification"

7.1.16 RFT 071 (EGAN)

PVG Rapporteur: AT4 wireless

Report from rapporteur
PVG46_0150_09_RFT071_EGAN Status Report.zip The 3GPP test specification need to be released by the SDO to cover the approved test cases at first. No validation took place at this stage yet.

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status
None		

7.1.17 RFT 072 (64 QAM for HSDPA – Rel.7)

PVG Rapporteur: KTL

Report from rapporteur
PVG46_0152_09_Status_of_64QAM(RFT072)_r1.zip PTCRB agreed to implement 9.3.1A into PTCRB database in last PTCRB#56 meeting in Vancouver, June 25 2009. The validation status has reached the following quote: FDDII: 83% FDDIV: 16% FDDV: 83% The test case 9.3.1A need to be added to the 3GPP test specification 34.121-1. KTL (Andres Park) will receive the test specification administrator rights.

Validation Documents (PTCRB TC database CRs)	Comment	Status

TC Database CR 1428 PVG46_xxx_09_TP57_RFT072_03-Aug_1UE	*One-UE-only for FDD2 and FDD5* *A discussion took place at the PVG meeting.* *PTCRB stated that they expect 2UE`s for validation, so PTCRB may reject this CR.*	Agreed (provisionally)
TC Database CR 1436 PVG46_RFT072_TP62_2009-08-03	*Protocol*	Agreed
TC Database CR 1450 PVG46_xxx_09_TP36_ WI-69_RFT72_Initial Validation	*One-UE-only for FDD2, FDDIV and FDD5* *PTCRB stated that they expect 2UE`s for validation, so PTCRB may reject this CR.*	Agreed (provisionally)
TC Database CR 1471 072: 64 QAM for HSDPA	*The status is changed to active*	Agreed

Other documents	*Comment*	*Status*
None		

Action 46/16 on PTCRB:
To approve or reject the One-UE validations in
a)TC DB CR 1428
b)TC DB CR 1450

The PTCRB priority lists stated that 2 UE are required for any validations on this RFT

Action 46/17 on KTL:
Check on how the new test case can be added to the PTRCB TC database test specification 34.121 and the corresponding RFT.

7.1.18   RFT 073 (Improved L2 Support for High Data Rates – Rel.7)

PVG Rapporteur: SGS

Report from rapporteur
PVG46_151r1_09_RFT073_Improved_L2_Support_Status.zip The validation status has reached the following quote: FDD2: 91% FDD4: 73%

FDD5: 91%

Validation Documents (PTCRB TC database CRs)	Comment	Status
TC Database CR 1429 RFT073_TP50-TP51-TP71_20090803		Agreed
TC Database CR 1432 RFT073_TP50-TP51-TP71_20090803_one_UE	*One UE validations for all bands* *PTCRB stated that they expect 2UE`s for validation, so PTCRB may reject this CR.*	Agreed (provisionally)
TC Database CR 1444 Initial validation of RFT073 UMTS (FDD) protocol test cases on the Anritsu PCTS [TP62]		Agreed

Other documents	Comment	Status
None		

Action 46/18 on PTCRB: To approve or reject the One-UE validations in TC DB CR 1432. (The PTCRB priority lists stated that 2 UE are required for any validations on this RFT).

7.1.19   RFT 074 (W-CDMA Inner Loop Power Control)

PVG Rapporteur: SCC

Report from rapporteur
PVG46_0159_09_RFT74_Status_of_Improved_Coverage_For_Inner_Loop_Power_Control_r1.zip Since PVG 46 in Malaga, RAN 5 has had a meeting and this topic was discussed. Form the RAN 5 LS: "At this time RAN5 does not believe it should expand test coverage in 3GPP TS 34.121, clause 5.4.2: Inner Loop Power Control in the Uplink to include extreme temperature conditions LT (low temperature), HT (high temperature) and extreme voltage conditions, LV (low voltage) and HV (high voltage) because it's not explicitly stated as part of the minimum requirements".

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status
None		

Action 46/18a on PTCRB:
To advise on how to proceed with this RFT

7.1.20 RFT 075 (CPC)

PVG Rapporteur: TTA

Report from rapporteur
PVG46_160_09_RFT075_CPC_status_r1.zip Validations did not take place yet. An appropriate number of UEs have been not yet made available.

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status
None		

7.1.21 RFT 076 (LTE)

PVG Rapporteur: SGS

Report from rapporteur
PVG46_0169_09_RFT076_LTE_Status.zip PTCRB test coverage for LTE follows the RAN5 RF and SIG work plans. Document R5-094172 attached is the RAN5 LTE SIG Work Plan presented to RAN5#44, including the list of SIG test cases to provide conformance test case coverage (6th July 2009). Document R5-092158r1 attached is the RAN5 LTE RF Work Plan following RAN5#43, including the list of RF and RRM test cases to provide conformance test case coverage. PTCRB can expect to see the first LTE test case validation at PVG#47, 4-5 November 2009.

Validation Documents (PTCRB TC database CRs)	Comment	Status

None		

Other documents	*Comment*	*Status*
None		

Action 46/19 on SGS:
Check on how the new test cases can be added to the PTRCB TC database and the corresponding RFT. It need to be stated here that the amount of work will be exceptional compared to the other TC database content edits for other RFTs.

7.1.22   RFT 077 (AT commands)

PVG Rapporteur: 7 layers

Report from rapporteur
PVG46_0161_09_RFT077_AT_Commands.zip The new test specification has been entered into TC Database. It was reported that the test specification will be updated (document) due to further requirements as being requested by AT&T. The new version will be made available by the next PVG#47.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
None		

Action 46/20 on 7 layers:
Create the RFT in TC Database based on the new AT command test specification

7.1.23   RFT 078 (RSE UTRA-FDD Band IV)

PVG Rapporteur: TCC Nokia

Report from rapporteur
None

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*

PVG46_0138_09_Input on FDDIV_RSE.zip		*For discussion*

TCC Nokia stated in their input document PVG46_0138_09 that Radiated Spurious Emission testing for FDDIV is covered under FCC/IC approval. It was therefore proposed that it should be noted that the RFT for Radiated Spurious Emission testing for UTRA-FDD Band IV is covered by the existing FCC / Industry Canada requirements, and that no further action is needed for this RFT.

Other PVG delegates stated at the meeting that the AT4 Wireless summary, as submitted at PVG#45, was correct so that there will be a need to develop an appropriate test scenario. Therefore it was decided to progress the development on one side and let PTCRB decide about the applicability later on. TCC Nokia accepted to transfer the rapporteur role to TMC who intend to draft the requested test cases.

Action 46/21 on TMC: draft a new test case for FDDIV RSE

7.1.24 RFT 079 (Classmark and Capability Message Audit)

PVG Rapporteur: RTS

Report from rapporteur
PVG46_0165_09_RFT_079_Classmark_and_Capability_Message_Audit.zip The status report was presented by RTS and discussion in more detail. In PTCRB#55, Scott Prather from AT&T made clear that this RFT should be limited to the Classmark 2 and Classmark 3 verification only. The audit should start to use the four available test cases as method to compare the results with the manufacturer PICS statements. The rapporteur clarified that a rework of 26.6.11.2 is possible to develop a test with full Mobile Station Classmark 2 and Mobile Station Classmark 3 verification capabilities. This can be progressed long-term when developing a new or modfied test case at GERAN. At this stage some available test cases could be used already now to support an initial audit where not all Information Elements would be captured. A question was raised on how the audit process may be executed and documented by the PTCRB accredited lab? It became clear that at first the auditing process needs to be described by PTRCB. -------------- PVG46_0165_09_RFT_079_Classmark_and_Capability_Message_Audit_r1.zip The entire section 4 "Proposed Way Forward" has been revised to include the discussion and

decision from the teleconference call, which took place on Aug. 27, 2009. The purpose of the telco is to come up with an audit process for Classmark 2 & 3 verification. The meeting minute of the telco call is attached in the revised RFT-079 status report as well.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
None		

Action 46/22 on RTS:
It was agreed at the PVG meeting that SCC, PTL, SGS will assist RTS to draft one proposal for an audit process including the initial and future technical measures .

RTS prepared one new LS for GERAN where PTCRB kindly requests GERAN3 to add full MS Classmark 2 and Classmark 3 verification capability into 3GPP TS 51.010-1 test case 26.6.11.2 & 26.6.11.3. This LS draft can be found in document "PVG46_0177_09_PTCRB LS to GERAN3 on Classmark Message Audit.zip"

7.1.25 RFT 080 (RRC Redirect in Dual Carrier Scenarios)

PVG Rapporteur: PTL

Report from rapporteur
PVG46_0162_09_RFT080_RRC_Redirect_Status_Report_r1.zip

Eight change requests, (numbers R5-094807, R5-094808, R5-094816, R5-094818, R5-094819, R5-094821, R5-094822 & R5-094824), have been created and uploaded for the forthcoming RAN5 meeting (#44) which is being held 24th – 28th August 2009 in Shenzhen.

The rapporteur will initiate further actions at the next PVG meeting providing that the RAN5 CRs are getting approved.

Validation Documents (PTCRB TC database CRs)	*Comment*	*Status*
None		

Other documents	*Comment*	*Status*
None		

7.1.26 RFT 081 (OTA RF Antenna Performance)

PVG Rapporteur: Cetecom

Report from rapporteur
PVG46_0175_09_RFT081_Status_Report.zip This RFT covers the following CTIA test plans as being subject to PTCRB certification: 1. CTIA_Test Plan for Mobile Station over the Air Performance: Method of Measurement for Radiated RF Power and Receiver Performance 2. CWG_RF_Test_Plan: Test Plan for RF Performance Evaluation of Wi-Fi Mobile Converged Devices

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status
None		

Action 46/23 on Cetecom: Check on how the OTA RF antenna performance test cases can be added to the PTCRB TC database and the corresponding RFT.

7.1.27 RFT 082 (Rel.7 Chiphering)

PVG Rapporteur: Cetecom

Report from rapporteur
PVG46_0163_09_RFT082_Status_Report_R1.zip PTCRB has opened up a new RFT requesting test case coverage for the Release 7 ciphering feature (Ref: PTCRB Doc 0924957). The RFT covers bands FDD II, FDD V and FDD IV. The new RFT082 has been already approved in the TC Database (inactive).

Validation Documents (PTCRB TC database CRs)	Comment	Status
None		

Other documents	Comment	Status

PVG46_0128_09_0924957 Rel-7 Ciphering RFT.doc Test cases for the 3GPP Rel-7 terminals compliant with the mandatory ciphering and integrity protection algorithms UEA2 and UIA2 for the UTRAN side. GERAN3 has provided additional test coverage for GERAN side utilizing A5/3, GEA2 and GEA3 algorithms.	*New RFT*	*For information*

8   NAPRD.03 changes based on 5-day-rule documents

All "5-day-rule" documents have been **approved** by PVG members since the last PTCRB meeting by using the "seven calendar day review rule". All "5-day-rule" documents have been submitted on the PTCRB database.

9   Reports from other groups

9.1   GCF

Doc	Comment	Status
PVG46_0129_09_GCF_UTRA_priolist.zip		For information

9.2   GSM Association

Doc	Comment	Status
None		

9.3   CTIA ad-hoc groups

Doc	Comment	Status
PVG46_0145_09_Testing Solutions Info Sheet.pdf		For information

9.4   3GPP groups

Doc	Comment	Status
None		

9.5   PNWG (Post Meeting Session)

Doc	Comment	Status
PVG46_0176_09_PNWG090601_Module_RSE_Test_Reduction_Work Item_RevA.ppt		

Dear PVG members,

Please be aware of an additional action item from PNWG to review the attached documentation until the next PTCRB meeting. Module Vendors and Test Labs should: "Comment on feasibility of "load-pull" testing to reduce/eliminate RSE testing. Investigate this measurement from the standpoint of test automation while ensuring selection/logging of eight random measurement points on the complex impedance plane."

The text below as submitted by AT4 will explain you further details. **We will come back to the issue during the next ad-hoc meeting.**

As an AP for AT4 wireless from the last PNWG teleconference last Monday, Scott Prather has requested me to send the Load-pull proposal of the PNWG group to the PVG for revision of all the members with the following AP about the document:

> **AI 05.11.09.2; Module Vendors and Test Labs:** Comment on feasibility of "load-pull" testing to reduce/eliminate RSE testing. Investigate this measurement from the standpoint of test automation while ensuring selection/logging of eight random measurement points on the complex impedance plane.

The attached version is an updated version of the document that was presented on the PVG#45 in Beijing. Please consider this document as an early inclusion of the next PVG ad-hoc agenda as Scott will include it on the next PTCRB agenda.

In order to have all the PVG members reviewing the document prior to the PTCRB meeting, I would suggest the doc is posted on the PVG website ASAP and ask the members to review it and have their initial feedback by the next PTCRB meeting for open discussions?

Let me point out that the ultimate action that PNWG would be expecting from PVG is to define the test procedure (a modified version of the TC 12.2.x) and identify the required test bed and automation methods, as part of a new version of the PVG.04 and/or by launching the required CR to GERAN for the inclusion of this new test on the TS 51.010-1. Let me remind you that the intended RSE test reduction pursued with this Load pull testing inclusion on the scope of PTCRB certification of modules is that those modules undergoing full load pull spurious testing and showing they are unconditionally stable under any load impedance will eliminate the need of RSE testing of the final configuration (module installed in any end product using any antenna). Regarding End product types considered, it would be addressing Notebooks only at this point.

10 Review of the latest NAPRD.03 version

10.1 NAPRD.03 edits

Doc	Comment	Status
No document provided		

10.2 Review of Category "E" to "A" changes

Doc	Comment	Status
PVG46_0146_09_0926557 Category E to A Candidates.xls		For information

PTCRB stated that further comments on these candidates are welcome between PVG#46 and the upcoming PTCRB Meeting.

10.3 GERAN, CT6, RAN5 Changes and Impacts

Doc	Comment	Status
No document provided		

10.4 Monitoring of special test cases

The following test cases are monitored because of special PTCRB interest.

Doc	NAPRD.03 Status
[51.010] 26.6.3.8 Enhanced Measurement Reporting (EMR), Neighbor Reporting	*Included* *but not validated* PVG comments: It is likely that this test will be never developed because several cells will be needed.
[34.121] 8.4.4.2 2ms TTI E-DCH E-TFC restriction	Included but not validated PVG comments: The test case has been validated as reference in the TC Database CR

	1427. The test case can be now deleted from this list.

10.5 Devices not supporting speech

Doc	Comment	Status
No documents provided		

10.6 LS to other groups

Doc	Comment	Status
No documents provided		

10.7 NAPRD.03 – test capability requirements

Doc	Comment	Status
No documents provided		

10.8 InterLaboratory Comparison

Doc	Comment	Status
PVG46_0139_09_Introduction_of_a_PTCRB_Laboratory_Competency_Matrix.zip		approved

The document was presented by SCC. In order to monitor PTCRB lab competence level it provides now an analysis for various measures that may take place. It was decided that a revised proposal ("competence areas" vs "measures") will be submitted to PTCRB for review and commments. The revison should add the initial list of proposed ILCT test cases.

Furthermore PVG would like to highlight that an ILCT Administration and ILCT process need to be in place before starting any exercises. It was illustrated already some meetings ago that various aspects need to be considered during such a more complex process.

PTCRB will be invited to investigate the provided matrix in order to define their priorities on the measures being analysed and proposed. Here PTCRB may select another topic to be

progressed prior to the ILCT. PVG offers further assistance when required and requested.

| **Action 46/24 on SCC:** |
| to revise document PVG46_0139_09 as described above. |
| The document has been revised (PVG46_0139_09_Introduction_of_a_PTCRB_Laboratory_Competency_Matrix_r1.zip) The changes include: 1) A requested action on PTCRB 2) A modified matrix 3) The original PTCRB ILCT test list has been included in the zip file as requested by 7 Layers AG. |

| **Action 46/25 on PTCRB:** Check the PVG analysis in the revised version of PVG46_0139_09 (r1) and submit further comments to PVG. |

11   A.O.B

The PVG Vice-Chair requested that all test equipment manufacturers, who are providing validated test equipment, should be PVG observer members. It was decided that the PVG Chair will add this requirement into the next version of PVG.02.

Also it may be recommended that these equipment manufacturers (PVG observers) attend the PVG meetings. No conclusion was made on this question at PVG#46 so it may be discussed once again during the next PVG session.

| **Action 46/26 on PVG:** |
| to modify PVG.02 accordingly |
| The action has been completed in document PVG46_0170_09_PVG-02_V_2.2.1_CR_TS_Administration_rev2.doc |

12   *PVG Schedules*

Meeting	Date and Location	Comments
PVG#46 meeting	18th – 19th August 2009 (Tuesday – Wednesday)	Malaga/Spain (hosted by AT4 wireless)
Open PTCRB#57	17th September 2009 (Thursday)	Minneapolis/Minnesota (hosted by MultiTec)
PVG ad-hoc	17th September 2009 (Thursday)	Minneapolis/Minnesota (hosted by MultiTec)
PVG#47 meeting	4th – 5th November 2009 (Wednesday – Thursday)	Gelsenkirchen/Germany (hosted by 7 layers)
PVG training session for TC Database users	Before/after PVG#47 – schedule to be finalized	Gelsenkirchen/Germany (hosted by 7 layers)
GCF CAG#20	10th – 11th November 2009	Munich hosted by R&S
Open PTCRB#58	3rd December 2009 (Thursday)	xxxx/xxxxxxx (hosted by xxxxxx)
PVG ad-hoc	3rd December 2009 (Thursday)	xxxx/xxxxxxx (hosted by xxxxxx)
GCF SG#41	9th – 10th December	Dallas/US hosted by RIM
GCF CAG#21	26th – 27th January 2010	xxxxx
PVG#48 meeting	Early February 2010	xxxx/xxxxx (hosted by xxxxx)
Open PTCRB#59	11th March 2010	xxxx/xxxxxxx (hosted by xxxxxx)
PVG ad-hoc	11th March 2010	xxxx/xxxxxxx (hosted by xxxxxx)
GCF SG#42	24th – 25th March 2010	xxxxx
GCF CAG#22	20th – 21st April 2010	xxxxx
GCF SG#43	16th – 17th June 2010	xxxxx
Open PTCRB#60	24th June 2010	xxxx/xxxxxxx (hosted by xxxxxx)
GCF CAG#23	6th – 7th July 2010	xxxxx
Open PTCRB#61	16th September 2010	xxxx/xxxxxxx (hosted by xxxxxx)
GCF SG#44	22nd – 23rd September 2010	xxxxx
GCF CAG#24	2nd – 3rd November 2010	xxxxx
Open PTCRB#62	9th December 2010	xxxx/xxxxxxx (hosted by xxxxxx)

– End of report –