

**Federal Public Key Infrastructure (FPKI)  
Path Discovery & Validation (PD-VAL) Working Group  
Minutes of the 25 February 2005 Meeting  
NIST North, Gaithersburg, MD; Room 618**

**A. AGENDA**

- 1) Opening Remarks / Introductions
- 2) Discussion on Meeting Minutes
- 3) Discussion on Action Items
- 4) Vendor Offering Questionnaire
- 5) Federal PKI Interim Validation Solution Update
- 6) Validation Service Assessment Framework Review
- 7) Other Topics
- 8) Next Meeting Plans/Meeting Adjourned

**B. ATTENDANCE LIST**

<b>Organization</b>	<b>Name</b>	<b>Email</b>	<b>Telephone</b>
CyberTrust	Weiser, Russ	russ.weiser@cybertrust.com	Teleconference
Dept of Commerce (NIST)	Cooper, David	david.cooper@nist.gov	301.975.3194
Dept of State	Edmonds, Deborah	edmondsdd@state.gov	202.203.7984
Enspier	Simonetti, David	david.simonetti@enspier.com	Teleconference
FICC	Petrick, Brant	brant.petrick@gsa.gov	202.208.4673
FPKIA OA (Mitretek)	Lins, Andrew	andrew.lins@mitretek.org	Teleconference
FPKIA OAProgram Manager (GSA)	Jenkins, Cheryl	cheryl.jenkins@gsa.gov	Teleconference
Mitretek	Stillson, Ken	stillson@mitretek.org	Teleconference
NFC	Goodwin, Linda	linda.goodwin@nfc.gov	Teleconference
Orion Security Solutions	Wallace, Carl	cwallace@orionsec.com	Teleconference
PD-VAL Secretary (IATAC)	Clemons, Darryl	clemons_darryl@bah.com	410.684.7732
Tumbleweed	Ebbets, Steve	steve.ebbets@tumbleweed.com	703.918.4863

**C. MEETING ACTIVITY**

**Agenda Item 1**

**Welcome & Opening Remarks:**

The meeting was called to order at 9:45 a.m. with attendee introductions.

Ms. Jenkins, GSA, provided open remarks about the information she obtained from the RSA Conference in San Francisco, California and the Microsoft meeting in Redmond, Washington that related to the group's path discovery and validation efforts. She stated, that the Department of Defense, Verisign, and many other entities are using Online Certificate Status Protocol (OCSP); rather than, the Simple Certificate Validation Protocol (SCVP) specified for the Hosted Validation Services (HVS) in the Validation Services Assessment Framework (VSAF).

Because OCSP is primarily used for Certificate Revocation List (CRL) checking, reservations on using it as an interim solution were discussed.

It was agreed that OCSP would be reviewed to ensure it could meet interim validation needs. If this protocol proves to be viable, a phased approach would be incorporated in the VSAF, where OCSP could be used initially and later SCVP when it is widely adopted by industry.

Ms. Jenkins called a meeting with key Federal PKI persons on March 3, 2005, to discuss how the VSAF efforts can accommodate industry practices today and still provide the E-Authentication Program Management Office with an interim validation solution through VSAF by June 30, 2005. The outcome of this meeting will be discussed at the next PD-VAL WG meeting on March 14, 2005.

## **Agenda Item 2**

### **Discussion on Meeting Minutes**

Ms. Jenkins, David Cooper, NIST, Andrew Lins, Mitretek, and Darryl Clemons, Booz Allen Hamilton reviewed and finalized the minutes from 25 February meeting<sup>1</sup>.

## **Agenda Item 3**

### **Discussion on Action Items**

Ms. Jenkins, Mr. Cooper and Mr. Clemons reviewed and finalized the action items (see Section D)<sup>2</sup>.

## **Agenda Item 4**

### **Vendor Offering Questionnaire**

Mr. David Cooper spoke to the group about the questionnaires he developed and sent for review on 18 February. He proposed that the questionnaires be separated to support either a server or a client. The group provided no comments and the questionnaires were determined to be final and would be distributed to the vendors to fill out and posted to the website.

## **Agenda Item 5**

### **Federal PKI Interim Validation Solution Update**

Mr. Andrew Lins provided an update on the directory issue during Certificate Arbitrator Module (CAM) validation testing. As mentioned during the 10 February meeting, both the Federal

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<sup>1</sup> This agenda item was performed after the meeting adjourned in Agenda Item 8. The persons mentioned are the only members available and necessary to provide comments on these items

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Public Key Infrastructure Architecture (FPKIA) directory and the State of Illinois directory stopped responding during CAM stress validation testing. The test was rerun against the Digital Signature Trust (DST) directory service and the test results were very positive. The DST and the FPKIA directories both performed as they should and the problems that were observed with the State of Illinois directory did not reoccur. The test proved that there is definitely a problem between the FPKIA directory and the State of Illinois directory. A patch from ISODE has been received and will be installed. Following the installation, the validation stress tests will be rerun with Illinois and DST.

However, Mr. Lins stated that a new problem was observed: Once CAM found a path that was invalid, it was not able to call CML and therefore, every subsequent request returned 'a path not found' response. This problem lasted for about six (6) days and eventually resolved itself. This issue and the issues with the directory are still being resolved.

Mr. Russ Weiser volunteered to assist with the directory issue since he was familiar with the DST CAM, upon receipt of the technical information.

**Action Item 18: Andrew Lins will make sure Mr. Weiser receives all the technical information to assist.**

## **Agenda Item 6**

### **Validation Service Assessment Framework Review**

David Simonetti presented the final draft of the VSAF document. The VSAF final draft document was sent out 10 February and no review changes were received from the PD-VAL membership.

Ms. Jenkins provided an update on her action to provide NARA auditing logging language by stating that the validation system is not considered to be a system of records and therefore, the only required NARA language would be system audit logging. She took the action to update the VSAF document by adding the list of minimum system audit logging requirements. With this change, the VSAF document was ratified by the group as a final version.

**Action Item 19: Cheryl Jenkins will update the VSAF document with the minimum system audit logging requirements.**

## **Agenda Item 7**

### **Other Topics**

Mr. Cooper stated that the Test Suite for tiers 1 and 2 are almost complete. The only thing left is to perform testing to ensure that no mistakes were made in defining the test cases.

Mr. Cooper said that Tim Polk, one of the co-chairs for PKIX, would be better to assess the completion of the SCVP document. The decision was made to talk with Tim Polk on 3 March to assess the completion of the document. However, he believes the latest version draft 18 is complete, pending comments from other members on the PKIX mailing list.

The completion due date for the Test Suite for tiers 1 and 2, the SCVP protocol and the SCVP profiles was tentatively agreed upon for March 21.

**Action Item 20: David Cooper will complete the Basic and Rudimentary definitions for the Path Discovery Test Suite.**

**Action Item 21: David Cooper will complete the SCVP Templates.**

**Action Item 22: Cheryl Jenkins will finalize the Certification and Accreditation Gap Analysis document.**

**Action Item 23: Cheryl Jenkins, along with GSA counsel, will complete the Request for Information (RFI) document and deliver to Vendors.**

### **Agenda Item 8**

#### **Next Meeting Plans / Meeting Adjourned:**

The next PD-VAL Meeting is scheduled for 14 March 2005 from 09:30 am-4:00 pm at the NIST North facility, Room 618, Gaithersburg, MD.

The meeting adjourned at 10:45 a.m. David Cooper, Cheryl Jenkins, and contracting support Booz Allen Hamilton stayed after to complete the minutes and actions from the previous meetings.

**D. PD-VAL CURRENT ACTION ITEMS**

<b>No.</b>	<b>Action Statement</b>	<b>POC</b>	<b>Start Date</b>	<b>Target Date</b>	<b>Status</b>
FY-05-17	Provide directory and CAM technical information to Mr. Russ Weiser to assist with stress validation testing.	Andrew Lins, FPKI OA	25 February PD-VAL meeting	26 February 2005	<b>Closed</b>
FY05-18	Update the VSAF document with the minimum system audit logging requirements	Cheryl Jenkins, FPKI OA	25 February PD-VAL meeting	28 February 2005	<b>Closed</b>
FY05-19	Complete the Basic and Rudimentary definitions for the Path Discovery Test Suite	David Cooper, NIST	25 February PD-VAL meeting	21 March 2005	<b>Open</b>
FY05-20	Complete the SCVP Templates	David Cooper, NIST	25 February PD-VAL meeting	21 March 2005	<b>Open</b>
FY05-21	Finalize the Certification and Accreditation Gap Analysis document	Cheryl Jenkins, FPKI OA	25 February PD-VAL meeting	28 February 2005	<b>Closed</b>
FY05-22	Complete the Request for Information (RFI) document and deliver to Vendors	Cheryl Jenkins, FPKI OA & GSA Counsel	25 February PD-VAL meeting	4 April 2005	<b>Open</b>