

**Federal Public Key Infrastructure (FPKI)  
Path Discovery & Validation (PD-VAL) Working Group  
Minutes of the 27 January 2005 Meeting  
NIST North, Gaithersburg, MD; Room 618**

**A. AGENDA**

- 1) Welcome & Opening Remarks / Introductions
- 2) Corestreet Microsoft Outlook Compatibility Presentation
- 3) Federal PKI Interim Validation Solution Update
- 4) Validation Service Assessment Framework Review
- 5) Other Topics
- 6) Next Meeting Plans/Meeting Adjourned

**B. ATTENDANCE LIST**

<b>Organization</b>	<b>Name</b>	<b>Email</b>	<b>Telephone</b>
Akamai	Akers, Todd	takers@akamai.com	703.621.4009
Akamai	Morton, Chris	cmorton@akamai.com	703.621.4024
Corestreet	Dulude, Bob	bob@corestreet.com	781-710-0436
Corestreet	Seth Hitchings	shitchings@corestreet.com	617.661.3554
Corestreet	Engberg, David	dave@corestreet.com	617.661.3554
Dept of Commerce (NIST)	Cooper, David	david.cooper@nist.gov	301.975.3194
Dept of Commerce (NIST)	Polk, Tim	tim.polk@nist.gov	301.975.3348
Dept of Defense	Rea, Scott		Teleconference
Dept of State	Edmonds, Deborah	edmondsdd@state.gov	202.203.7984
Dept of State	Russell, William	russellwc@state.gov	202.203.5044
Enspier	Simonetti, David	david.simonetti@enspier.com	410.356.2260
Enspier	Silver, David	david.silver@enspier.com	Teleconference
FICC	Petrick, Brant	brant.petrick@gsa.gov	202.208.4673
FPKIA OA (Mitretek)	Lins, Andrew	andrew.lins@mitretek.org	703.610.1905
FPKIA OA Project Manager (GSA)	Jenkins, Cheryl	cheryl.jenkins@gsa.gov	571.259.9923
NFC	Goodman, Linda	Linda.goodman@usda.gov	Teleconference
NFC	Lively, Mary		Teleconference
NFC	Sharp, Kathy	kathy.sharp@usda.gov	Teleconference
Orion Security Solutions	Wallace, Carl	cwallace@orionsec.com	703.917.0060x28
Orion Security Solutions	Wallace, Carl	cwallace@orionsec.com	703.917.0060x28
PD-VAL Secretary (IATAC)	Clemons, Darryl	clemons_darryl@bah.com	410.684.7732
SRA	Tinz, Ganta	tin2_ganta@sra.com	571.239.1490

**C. MEETING ACTIVITY**

**Agenda Item 1**

**Welcome & Opening Remarks / Introductions:**

Ms. Cheryl Jenkins, GSA and PD-VAL Chair, called the meeting to order at 9:35 a.m. Ms. Jenkins began by welcoming all of the participants of the PD-VAL meeting. She stated that the first part of the meeting will be a presentation provided by Corestreet and that those who were

teleconferencing would be able to obtain a copy of the presentation on the PD-VAL website (<http://www.cio.gov/fbca/presentations.htm>) early Monday morning. Ms. Jenkins introducing Mr. Bob Dulude, Chief Security Officer of Corestreet, and handed the meeting over to him to introduce his team. Ms. Jenkins asked Mr. Dulude to provide some background on the purpose of the presentation prior to beginning.

Mr. Dulude stated that back in August of 2004 Corestreet came to the PD-VAL group and demonstrated a server-side solution for path discovery and validation. Recognizing that the solution is not just the server-side but also the application-side, Mr. Dulude was told by the PD-VAL group to develop a client plug-in that would provide path discovery and validation for Microsoft Outlook. He stated that since August of 2004 the development team, along with the support from Akamai network, has been working to develop a solution to this need and they have now develop a solution.

Mr Dulude also provided a reason for partnering with Akamai. He said, based on previous experience with working with the DoD, to get all of the components to work on a technical level is the easy part compared to getting it to work on an operational level. So, what Corestreet did for the DoD was to deploy, for an OCSP validation solution, Real Time Credential transponders on the Akamai network. The Akamai network infrastructure provides the capability of validation response time globally of 65 millisecond from anywhere in the world. Mr. Dulude said that Corestreet believes that this same DoD model can be a solution for the Federal sector and that was why Corestreet was here to demonstrate this capability.

## **Agenda Item 2**

### **Corestreet Microsoft Outlook Compatibility Presentation**

Mr. Seth Hitchings of Corestreet was the presenter. Mr. Hitchings introduced himself as the Technical lead on the validation client program. He began by showing several slides defining the problem of application validation and how Corestreet's plug-in solution would provide a sound solution to the problem. Mr. Hitchings also provided a brief description of the Corestreet validation network architectures and, from a high level, how the validation process works. Mr. Hitchings demonstrated the validation process with previously sent signed email messages from DoD, Department of State, Booz Allen Hamilton, Treasury, Illinois, DCA ACES and NASA. He stressed the point that this solution must be fast and no one wants to start their busy day waiting 10 seconds or more for validation to happen. He said, the goal was to keep the entire validation process under one second. Seth introduced Mr. Chris Morton, Akamai, to provide an overview of the Akamai network and its capabilities. CoreStreet uses the Akamai network of distributed systems to provide high availability and fast response times for the path discovery and validation information.

Mr. Seth Hitchings continued with the Outlook demonstration using the digitally signed emails. He said that the application is simply an application plug-in. He demonstrated both users that have certificates with fully trusted path and non-trusted path validations.

### **Agenda Item 3**

#### **PD-VAL Administration Update**

Ms. Jenkins began the administration discussion reviewing the status of the October, November and December meeting minutes. She said that the minutes will need further work to update the minutes with her comments and to further adjust the action items to agree from month to month. She asked the group to review the minutes for content correctness once they have been updated and distributed.

Ms. Jenkins continued the meeting by briefing the group on the PD-VAL Plan of Action document developed by Mr. David Cooper, Mr. Tim Polk and herself. She said that the document was developed to trot out a very aggressive road map from January to June for Hosted Validation Services for E-Authentication. Ms. Jenkins stated that there are other activities that will directly impact the progress of the effort, such as, a completed SCVP standard and having the E-Authentication Lab prepared for testing.

Ms. Jenkins called upon Mr. David Cooper to give the group an overview of what we have accomplished as a PD-VAL working group and some of the events ahead so that the group will know that there are actually two different activities involved in the overall validation plan and to also present to the group what will need to be achieved by June 30, 2005. She urged the group to take a look at the plan of action because group participation in this effort is critical.

Mr. David Cooper drew on the whiteboard activities that have been accomplished and what is still left to be done. He stated that the e-Authentication Program Management Office is working on two closely related projects: a Hosted Validation Service (HVS) and a Step Down Translator (SDT). Mr. Cooper gave an overview on how the validation process will work and the part which must be in place prior to the end of June.

Ms. Jenkins provided a timeline for the needed actions prior to a HVS being available. The simple tentative timeline to meet these development goals would be the following:

- 1) IETF standard for SCVP (by end of February)
- 2) VSAF/Tiers/Path discovery suite (Tiers 1 and 2 by end of February)
- 3) RFI (by March 7, 2005)
- 4) Testing, (by then March 21, 2005)
- 5) HVS (by June 30, 2005)

Ms. Jenkins stated for all of this to happen, the PD-VAL working group must meet more than on a monthly basis, possibly twice a month.

### **Agenda Item 4**

#### **Product Questionnaire**

The PD-VAL Working Group will summarize a vendor's product's capabilities based on the vendors completion of the PD-VAL Working Group's questionnaire. This questionnaire was discussed at length and the final draft will be completed at the February 10, 2005 meeting.

### **Agenda Item 5**

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

Mr. Andrew Lins, Mitretek, presented the latest update of the Interim Validation Solution with CAM. He stated that the issue with CAM bringing down the directory during testing is still an issue. He said the testing group is still trying to resolve the problem with the directory vendor and with the State of Illinois, since the problems occurred when validating certificates issued by the State of Illinois' CA. Mr. Lins stated that the vendors are not exactly clear on what the problem is and it is quite a challenge because the vendors are not local and it is difficult for them to review the logs. The testing group and the vendors are actively working to figure out the problem.

Mr. Lins said the primary problem with the directory was that there was no response coming out of the directory and the CAM took about 6 minutes to reboot. He said all that was needed to get the directory back up and running was to restart the services.

Ms. Jenkins stated that the CAM is an interim or validation solution for the e-Authentication Program Management Office and the goal is to resolve the directory problem by the next PD-VAL meeting, 10 February and then move the path discovery portion of this into production.

### **Agenda Item 6**

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

Mr. David Simonetti, Enspier, presented the comments from the PD-VAL members on the draft Interim VSAF document. He addressed each comment as they appeared on the comments matrix and documented the changes. Mr. Simonetti had an action to incorporate the final changes to the document and deliver it by 4 February 2005.

### **Agenda Item 7**

#### **Other Topics**

No other topics were discussed.

### **Agenda Item 8**

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

The next PD-VAL Meeting is scheduled for 10 February 2005 from 09:30 am - 4:00 pm at the NIST North facility, Room 660, Gaithersburg, MD.

The meeting adjourned at 3:56 pm.

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

No.	Action Statement	POC	Start Date	Target Date	Status
FY04 001	Coordinate efforts for agencies to participate in an e-mail signing demonstration	Brian Dilley, eValid8 Cheryl Jenkins, GSA		30 Oct 2003	Open
FY04 003	Provide Microsoft Summary Report from NIST Test Suite finding	David Cooper, NIST Tim Polk, NIST		30 Oct 2003	Open
FY04 008	Coordinate with both Department of the Treasury and USDA/NFC about any future responsibilities or contributions for the FBCA demo testing.	Andrew Lins, Mitretek  Ken Stillson, Mitretek	30 Oct 2003	20 Nov 2003	Open
FY04 010	Request evaluation copies of the next version of the RSA and Entrust CAs for testing.	Andrew Lins, Mitretek	30 Oct 2003	20 Nov 2003	request Closed; s/w pending
FY05-01	Make draft questionnaire of PD-VAL products for E-Auth Test Lab to the E-Auth PM (Vendors Validation Matrix).	David Cooper, NIST	14 Oct 2004 PD-VAL meeting	25 Jan 2005	Open
FY05-02	Coordinate / facilitate vendors to show working path validation solutions with web-based applications and email clients.	Andrew Lins, Mitretek	14 Oct 2004 PD-VAL meeting	31 Jan 2005 PD-VAL meeting	Open
FY05-04	Review the Validation Service Assessment Framework (VSAF) and send comments to the PD-VAL listserv by COB Tuesday, 23 November 2004	PD-VAL members	17 Dec 2004 PD-VAL meeting	23 Nov 2004	Closed 9 Dec 2004
FY05-05	Consolidate the VSAF comments sent to the PD-VAL listserv.	Enspier	17 Nov 2004 PD-VAL meeting	9 Nov 2004 PD-VAL meeting	Closed 13 Dec 2004
FY04-06	Complete the EED Final Draft Recommendations	Andrew Lins, Mitretek	6 Dec 2004	7 Jan 2005	Closed
FY04-07	Complete PD-VAL Current Activities Final Draft	Cheryl Jenkins, GSA	7 Dec 2004	9 Dec 2004	Closed

<b>No.</b>	<b>Action Statement</b>	<b>POC</b>	<b>Start Date</b>	<b>Target Date</b>	<b>Status</b>
FY05-08	Follow up with Microsoft on the results of the hotfix that will correct validation process issues	Andrew Lins, Mitretek	9 Dec 2004 PD-VAL meeting	7 Jan 2005	<b>Closed</b>
FY05-09	Include comments from David Cooper and Cheryl Jenkins on Microsoft's comments and capture them in the EED Test Plan & Results document.	Andrew Lins, Mitretek	9 Dec 2004 PD-VAL meeting	7 Jan 2005	<b>Closed</b>
FY05-10	Update recommendation to the EED Testing Results document	Cheryl Jenkins	9 Dec 2004 PD-VAL meeting	7 Jan 2005	<b>Closed</b>
FY05-11	Distribute the EED Plan & Results document to PD-VAL WG	Darryl Clemons IATAC	9 Dec 2004 PD-VAL meeting	17 Dec 2004	<b>Open</b>
FY05-12	Incorporate the comment changes to the final VSAF document	David Simonetti Enspier	27 Jan 2005 PD-VAL meeting	4 Feb 2005	<b>Open</b>
FY05-13	Draft FISMA language to section 5.3.1, Subcontractor section on the table in the VSAF	Cheryl Jenkins GSA	27 Jan 2005 PD-VAL meeting	4 Feb 2005	<b>Open</b>
FY05-14	Provide Corestreet's presentation slides to the PD-VAL website for distribution	Brent Petrick GSA	27 Jan 2005 PD-VAL meeting	31 Jan 2005	<b>Open</b>