Federal Public Key Infrastructure Policy Authority (FPKIPA)
Minutes of the 10 October 2006 Meeting
9:30 a.m. - Noon
USPS, 475 L'Enfant Plaza, SW, Washington, DC 20260-0001, Room 2P316

A.   AGENDA

1) Welcome & Opening Remarks / Introductions
2) E-Authentication PMO Briefing
3) Discussion / Vote on 12 September 2006 FPKIPA Minutes
4) Shutdown of USDA/NFC PKI
5) Authorization to Sign Treasury SSP Certificate Authority Certificate
6) Vote on the Common Policy Change Proposal: 2006-02
7) Adobe Update
8) FPKI Certificate Policy Working Group (CPWG) Report
   1) *Results of e-vote on MIT Lincoln Laboratory LLC Mapping at Medium and Medium Hardware*
   2) *Results of e-vote on Boeing Interoperability Report*
   3) *Results of e-vote to issue Provisional Cross-Certification of Wells Fargo (Non-Identrus)*
   4) *Update on Boeing Class 3 PKI Audit Findings/Cross-Certification*
   5) *Update on USPS Audit Status (with Mark Stepongzi)*
9) FPKI Operational Authority (FPKI OA) Report
10)   Final Meeting Items
       Other Topics
       o *Audit Summaries*
       o *University of Texas PKI System*
       o *Canada PKI*
       o *Test Environment Requirements*
       o *SAFE*
       o *VDOT*

11) Adjourn Meeting

B.   ATTENDANCE LIST

VOTING MEMBERS

A quorum of nine (9) members was present of thirteen (13) voting members, or 66.6%, where a quorum of 66.6% was required. OMB continues to be an ex-officio member and the Department of Energy is currently a non-voting member because of its audit status. The USDA/NFC ceased to be a member of the FPKIPA

on 9/30/06 because it terminated its service. This means the number of voting members has changed from 14 to 13.

NOTE: Contact information has been removed at the request of FPKIPA members. FPKIPA minutes already posted on the website were redacted to remove POC information. FPKIPA members needing POC information on other members and participants should contact the Secretariat at Judith.fincher@enspier.com.

Organization	Name	Email	Telephone
Department of Commerce (NIST)	Tim Polk		
Department of Defense	Mitchell, Deborah		
Department of Health & Human Services	Alterman, Peter		
Department of Homeland Security	Absent		
Department of Justice	Morrison, Scott		
Department of State	Absent		
Department of the Treasury	Absent		
Drug Enforcement Agency (DEA CSOS)	Absent		
GPO	Hannan, John		
GSA	Temoshok, David		
NASA	DeYoung, Tice		Teleconference
USPS	Stepongzi, Mark		
USPTO	Purcell, Art		

OBSERVERS

Organization	Name	Email	Telephone
USPS	Taylor, Andrew		
Enspier (Secretariat)	Fincher, Judy		
VDOT	Stafford, W. Duane		
Wells Fargo	Drucker, Peri		Teleconference
FPKI/FICC support (FC Business Systems, LLC.)	Petrick, Brant		
Department of the Treasury (eValid8)	Dilley, Brian		
e-Authentication PMO	Marsh, Georgia		
e-Authentication PMO	Frazier-McElveen, Myisha		
SSA	Simonetti, David		
CoreStreet, Ltd. (vendor)	Briley, Jr., James		
ORC	Sloan, Brandy		Teleconference

C. MEETING ACTIVITY

Agenda Item 1

Welcome & Opening Remarks / Introductions—Dr. Peter Alterman
This meeting took place at the USPS, 475 L'Enfant Plaza, SW, Washington, DC 20260-0001, Room 2P316. Dr. Peter Alterman of HHS and Chair of the FPKIPA called the meeting to order at 9:50 a.m. with attendee introductions. He expressed his thanks to Mark Stepongzi for hosting the FPKIPA at the USPS and for the refreshments.

Agenda Item 2

E-Authentication PMO Briefing—Georgia Marsh
Ms. Marsh introduced Myisha Frazier-McElveen of the E-Auth PMO, who is the external face to E-Auth customers. Ms. Frazier-McElveen emphasized that the E-Auth Federation and Federal PKI are working together for joint success.

Ms. Marsh said that the E-Auth Federation provides external authentication of individuals, businesses and governments that interact with the federal government, using PINS/passwords and the PKI credential framework. E-Auth, thusly, accommodates all four levels of assurance, as proscribed by M 04-04.

The E-Auth PMO seeks to standardize solutions across the federal agency space, providing enterprise-wide solutions, she said. Ms. Marsh emphasized that agency applications (Relying Parties, or RPs) are owned by the respective agencies.   The goal is to make it simple—make it secure for those accessing member RPs, she said.

Re the relationship between the FPKI and E-Auth, she said that the Federal E-Authentication Identity Federation has been built leveraging the work of the FPKIPA for E-Authentication assurance levels 3 and 4. As of last week, she said, there were 31 Replying Parties and six (6) Credential Service Providers (CSPs). Of the remaining estimated 400 AAs, about 15% will be using PKI credentials over the next three years, e.g., 60 RPs.

The E-Auth PMO operates the FPKI Operational Authority (OA), and is the operational extension of the FPKIPA, she said.

Dr. Peter Alterman asked about the status of the Managed Validation and Translation Service (MVTS). Ms. Marsh said that she expects it to be awarded soon and available within four to five months, or sooner. While it is not a solution for all agencies, some agencies need a centralized service, she said, adding, moreover it has a tie-in with HSPD-12.

When asked about the Step Down Translator (SDT), Ms. Marsh said that it allows agencies to use the PKI certificates for lower assurance level RPs without the agency having to build a PKI interface. Approximately 80% of RPs in the federal space use SAML assertions. The SDT validates PKI certs and changes them to SAML assertions.

David Temoshok said that the concept of the SDT is to express the identity assertion regardless of the technology deployed. There is a movement within industry toward SDT commercial products to do the translation, he said, noting that the Liberty Alliance envisions a world with multiple identity federation technologies. The products need to be commercialized and standardized to work across multiple assurance levels.

Tice DeYoung noted that NASA is relying upon the SDT to support between 400-500 contracts, using two-factor authentication.

Ms. Frazier-McElveen said that many agencies do not have extensive knowledge of the work of the FPKIPA and that the E-Auth PMO is encouraging agencies to talk to their representatives on the Policy Authority.

Tim Polk said that Federal PKI has the infrastructure, but need to show more usage. We can offer more security for less money by trusting other agency apps, he said. Mr. Polk said, "Now that we (FPKIPA) have built the highway, the E-Authentication Federation is bringing the cars and trucks to ride on it."

David Temoshok said that HSPD-12 and PKI are inter-related. Both express identity assertions across the federal government.

Ms. Marsh suggested the need for a Working Group comprised of the E-Auth PMO, OA and FPKIPA to explore ways to provide enhanced security. We expect lots of traffic as a result of HSPD-12, she said, noting that HSPD-12 and the E-Auth Federation are bringing in participants to use the "plumbing" (PKI infrastructure).

We need to do more in the Internal Effectiveness and Efficiencies (IE&E) area, she said. John Hannan suggested the need for educational materials. He said that program managers need to learn how to "get more bang for the buck."

Brian Dilley said that working with the SDT for the past three years at Treasury has led to frustration, due to a change in upper management. Priorities changed and the new management has to ramp up.

Dr. Alterman noted that what SAML brings to the table is attribute management. Attribute certs failed miserably, he said. SAML allows digitally signed assertions. SAML 2.0 (available in June –July 2007) will enable other apps within the federation.

ACTION: Georgia Marsh will convene a Working Group comprised of NASA (Tice DeYoung), GSA (David Temoshok), NIST (Tim Polk), GPO (John Hannan), and Brian Dilley (Contractor, Treasury) to spearhead an educational initiative to educate managers of the Lines of Business about E-Auth and FPKI and future work on outstanding alignment/policy issues between E-Auth/FPKIPA **.**

ACTION: David Temoshok will write a standard briefing for the technical and program office regarding the intersection of Federal PKI and SAML.

Agenda Item 3
Discussion/Vote on 12 September 2006 FPKIPA Minutes—Judy Fincher

Ms. Fincher stated that she received only typographical comments on the 12 September 2006 FPKIPA minutes and projected the document for visual confirmation by the FPKIPA. The FPKIPA approved the minutes by a 61.5% majority vote (8 of 13 voting members), where a 50% majority vote was required.

Approval vote for 12 September 2006 FPKIPA Minutes			
Voting members	Vote (Motion –Justice 2nd – USPS)		
	Yes	No	Abstain
Department of Commerce	X		
Department of Defense	X		
Department of Health & Human Services	X		
Department of Homeland Security	Absent		
Department of Justice	X		
Department of State	Absent		
Department of the Treasury	Absent		
Drug Enforcement Agency (DEA CSOS)	Absent		
GPO	X		
GSA	X		
NASA	Absent		
USPS	X		
USPTO	X		

Agenda Item 4
Shutdown of the USDA/NFC PKI—Dr. Peter Alterman

Dr. Alterman announced that the USDA/NFC PKI ceased operations on 9/30/06.

Agenda Item 5
Authorization to Sign Treasury SSP Certification Authority Certificate— Dr. Peter Alterman

Dr. Alterman stated that he had authorized the FPKI OA (Cheryl Jenkins) to sign the appropriate Department of Treasury Shared Service Provider CA certificate

with the Common Policy Framework CA root certificate on September 22, 2006 (via email letter). This is not a cross-certification.

Agenda Item 6
Vote on Common Policy Change Proposal: 2006-02—Tim Polk

Mr. Polk explained that the purpose of this Change Proposal is two-fold:

(1) The draft RFC 3647-formatted version of the Common Policy includes slightly relaxed rules for the construction of subject names longer maximum lifetimes for certain certificates and key pairs. Agencies require these changes to the policy in order to accommodate organizational requirements and cannot wait until the RFC 3647 formatted version of the Common Policy has been approved.

(2) In addition, the Common Policy does not address the needs of CAs that issue short lifetime certificates to OCSP responders. This change proposal allows for certificates issued to OCSP responders to be renewed and allows CAs to use their private keys to sign OCSP responder certificates for the entire lifetime of the CA's key pair.

Mr. Polk explained that the SSP-WG met with the SSPs to explain the changes that have been made to the 3647-formatted version of the Common Policy. The SSP-WG is working with the SSPs to make sure they will be in compliance with these changes. Their response is expected in mid-November 2006.

Nine of the thirteen voting members supported the adoption of this change proposal, or 2/3, where a 66.6% majority vote was required. The change proposal was adopted.

Approval vote on Common Policy Change Proposal: 2006-02			
Voting members	**Vote (Motion –Commerce 2nd – Justice)**		
	Yes	**No**	**Abstain**
Department of Commerce	X		
Department of Defense	X		
Department of Health & Human Services	X		
Department of Homeland Security	Absent		
Department of Justice	X		
Department of State	Absent		
Department of the Treasury	Absent		
Drug Enforcement Agency (DEA CSOS)	Absent		
GPO	X		
GSA	X		
NASA	X		
USPS	X		
USPTO	X		

Agenda Item 7
Adobe Update—John Hannan

John Hannan reported that he had held off-line conference calls with Adobe, but that another conference call is required before he will be ready to report to the FPKIPA on the implications of Adobe cross-certifying with the Federal Bridge. Adobe is concerned with legal issues and finds the Federal Bridge more lenient. The USGPO is interested in leveraging and exploiting the capabilities Adobe offers the public in the viewing of government information, he said.

Dr. Alterman reported that grants.gov is moving to replace the proprietary document interface it uses with Adobe. IF they do so, the probability of using PKI becomes "very significant." "At the end of the Adobe road, there is a very large application," he said.

Peri Drucker (Wells Fargo) stated that Wells is working with Adobe to resolve the legal issues related to hardware storage. If the Adobe logo is anywhere on the page, the lawyers want a hardware solution, she said. She and John Hannan will work together on this issue, off-line.

Agenda Item 8
FPKI Certificate Policy Working Group (CPWG) Report—Tim Polk

1) Results of e-vote on MIT Lincoln Laboratory LLC Mapping at Medium and Medium Hardware—The e-vote to map MIT Lincoln Laboratory at Medium and Medium Hardware passed by 10 votes of 13 voting members or 76.9% where a majority vote of 75% was required.

2) Results of e-vote on Boeing Interoperability Report—The e-vote to accept the Boeing Interoperability Report passed by 10 votes of 13 voting members, or 76.9% where a majority vote of 75% was required.

3) Results of e-vote to issue Provisional Cross-Certification of Wells Fargo (Non-Identrus)—The e-vote to issue the Provisional Cross-Certification to Wells Fargo at Basic for a period not to exceed six months passed October 4, 2006, with 100% of the e-vote quorum voting "Yes." A 75% majority of the e-vote quorum was required to pass the measure. The e-vote quorum was nine (9) votes; we received 10 "Yes" votes, so the provisional cross-certification was approved.

4) Update on Boeing Class 3 PKI Audit Findings/Cross-Certification—Mr. Polk said that we need to find the application owner at Boeing (Johnson Space Center) and see if there is a compelling business reason for a direct cross-certification, as opposed to Boeing using the CertiPath Bridge.

ACTION: Tice DeYoung is to draft a memo from NASA to Boeing, stating that it is our policy to use the CertiPath Bridge for Boeing. The language should say something like this: "We have successfully mapped your policy, your interoperability testing has been completed, and we have found your audit letter to be acceptable. However, we do not feel a direct cross-certification is warranted because we can get to you via the CertiPath Bridge." Dr. DeYoung will provide this memo to Jacqueline Knoll of Boeing to use in talking with the Johnson Space Center program people.

Mr. Polk also explained that there is no transitive trust in the CertiPath bridge cross-certification. We go only one hop from CertiPath, he said.

5) Update on USPS Audit Status (with Mark Stepongzi)—The CPWG Chair and FPKIPA Chair reviewed the amended USPS Audit letter and found it acceptable. The FPKIPA authorized an e-vote to lift restrictions on the USPS cross-certification.

ACTION: Judy Fincher is to issue an e-vote to lift restrictions on the USPS cross-certification. Done.

Agenda Item 9
FPKI Operational Authority (FPKI OA) Report—Cheryl Jenkins, Dr. Peter Alterman

Ms. Jenkins was not able to attend the FPKIPA meeting because she was meeting with vendors who bid on the FPKI OA RFP. Dr. Alterman reported for her.

Dr. Alterman reported that the FPKI OA is currently conducting interoperability testing with MIT Lincoln Lab and DoD.

ACTION: Dr. Alterman is to meet with DoD (Deborah Mitchell) off line and extend their provisional cross-certificate for one month.

ACTION: Judy Fincher is to put the DoD Two-Way Cross-Certification on the agenda for the November 14, 2006 FPKIPA meeting. Done.

Agenda Item 10

Final Meeting Items

Other Topics

- **Audit Summaries—Judy Fincher**
  Ms. Fincher reported that she and Dr. Alterman had reviewed all the audit materials for cross-certified entities to determine their current compliance audit status. She sent out emails to those agencies who are not currently in compliance. They have provided an acceptable explanation to Dr. Alterman and are working to become compliant.

  ACTION: Judy Fincher will send the audit summaries matrix to voting members.

- **University of Texas System PKI—Dr. Peter Alterman**

  Dr. Alterman reported that the University of Texas System PKI is coming in for cross-certification with the Federal Bridge because the higher education bridge (EDUCAUSE) is not in shape to be cross-certified. The University of Texas PKI is a state-wide system with six medical schools and the M.D. Anderson Center. The University of Texas needs to get this done, he said, because the Cancer Bio-infomatics Grid is being deployed. UT wants to control the issuance of digital certs to cancer research institutes.

  Dr. Alterman also stated that he is working with The American Grid's Policy Management Authority (TAG/PMA) also. This will lead to lots of PKI applications.

- **Canada PKI—Dr. Peter Alterman**
  Dr. Alterman said that the Canadian government PKI director had been unable to get an attorney assigned to the project. This was supposed to happen before the end of September.

  ACTION: Dr. Alterman will conduct discussions off-line with DHS to see if DHS has applications requiring cross-certification with Canada.

- **Test Environment Requirements—Dr. Peter Alterman**
  Dr. Alterman stated that Ms. Jenkins is too busy dealing with the FPKI OA transition program (transition from Mitretek to the new OA vendor) to focus on this at the present time. There will be no decision on Test Environment Requirements until the new vendor is in place, he said.

- **SAFE—Dr. Peter Alterman, Debbie Mitchell**
  SAFE, the Pharmaceutical Bridge, is also involved in the Cancer Bio-infomatics project. They will meet with the CPWG before the end of October to start mapping.

  Deborah Mitchell raised the issue as to whether the Bridge-to-Bridge section (Part III) of the Criteria and Methodology document—currently undergoing revision—should be finalized before SAFE comes in.

Dr. Alterman responded that Parts I & II are now being edited and Part III will follow. It is his intention to have the revised document approved before Thanksgiving. It would not be possible to cross-certify with the SAFE Bridge prior to that date. That process will probably take until March-April, 2007.

- **VDOT-Duane Stafford**
Duane Stafford of the Virginia Department of Transportation attended this meeting to learn about our activities and see how the VDOT would benefit from participation and potential cross-certification with the Federal Bridge, especially in first responder applications.

Dr. Alterman and Tim Polk responded that FIXS is a vendor, i.e., a corporate infrastructure, and has no relationship with the Federal Bridge. Tim Polk explained that FIXS is a different model and does not use PKI certificates. With FIXS you have to expose more corporate information.   It is a complementary solution for different problems, he said.

Mr. Stafford wanted to know if the FPKIPA was the proper forum for issues related to FIPS 201 and HSPD-12. Tim Polk responded, "Yes."

Dr. Alterman noted that CyberTrust had issued first responder certs to the State of Maryland.

ACTION: Deborah Mitchell stated she would provide information on FIXS to Mr. Stafford.

Agenda Item 11

Adjourn Meeting
The meeting adjourned at 11:50 a.m.

CURENT ACTION ITEMS

No.	Action Statement	POC	Start Date	Target Date	Status

No.	Action Statement	POC	Start Date	Target Date	Status
187	Mr. Tim Polk and Ms. Judy Spencer will meet with DoD to conceptualize a plan to help DoD internally to upgrade its CA's and shore up its infrastructure (repositories).	Judy Spencer, Debbie Mitchell	10 Jan. 2006	Sept. 2006	**Open**
189	We need to revise the MOA to accommodate E-Auth Federation requirements. Defer to after the E-auth PMO changes the Legal and Business Rules.	Peter Alterman, John Cornell, Georgia Marsh (or PMO rep)	20 July 2006	Oct.-Nov., 2006	**Open**
191	Mr. Art Purcell will be put on the work team to provide information on federal regulations that govern storage of the documents that will be posted to the shared Document Management Services system on behalf of the Policy Authority.	Cheryl Jenkins, Art Purcell	10 Jan. 2006	14 Feb. 2006	**Open**
193	Dr. Peter Alterman and the head of the OA will negotiate terms for the cross-certification process and add this language to the By-Laws document. This will be brought to the Policy Authority for a vote. (To coincide with Action Item # 189).	Dr. Peter Alterman, Cheryl Jenkins	10 Jan. 2006	Oct.-Nov. 2006	**Open**
211	Ms. Judy Spencer is to speak with Acting Federal Acquisition Service Commissioner G. Martin Wagner regarding leasing other space at the Willow Woods facility for the FPKIA operations center.	Judy Spencer	14 March 2006	31 March 2006	Open
212	Ms. Cheryl Jenkins is to develop an Approach to Application Testing for PD-Val.	Cheryl Jenkins	14 March 2006	8 Aug. 2006	Open
234	The SSP re-write committee headed by Dr. Peter Alterman will create a new section 4 of the Crits and Methods (C&M) document for SSPs. This will bleed into the FPKIPA Charter and By-Laws. Dr. Alterman said the C&M re-write will be analogous to what we did with ACES, i.e., we ask for their bona fides: memo of application, 800-79 compliance statement, and audit summary.	Peter Alterman, et al	11 July 2006	8 August 2006	Open
237	Dr. Alterman and Steve Duncan will talk about how the migration of FPKI agencies to Medium Hardware will affect the ACES agencies.	Peter Alterman, Steve Duncan	8 August 2006	12 Sept. 2006	Open

No.	Action Statement	POC	Start Date	Target Date	Status
246	Dr. Alterman will write a White Paper on why we want to cross certify with SAFE, the pharmaceutical bridge.	Peter Alterman	12 Sept. 2006	10 Oct. 2006	Open
252	Cheryl Jenkins will send out that document along with cost estimates provided by FBCA-TWG member agencies. She will ask FPKIPA members to tell her if you can establish a Test Environment in the FY 2007 time frame.	Cheryl Jenkins	12 Sept. 2006	22 Sept. 2006	Open
253	Dr. Alterman and/or the CPWG is to call a special meeting of the Legal and Policy Working Group to explore supporting PKI applications.	Peter Alterman, Tim Polk	12 Sept. 2006	10 Oct. 2006	Open
255	Patrick Ruff of the FTC will host either the November 14 or December 12, 2006 meeting of the FPKIPA at the FTC Conference facility (601 New Jersey Avenue, NW, Washington, DC 20001)	Patrick Ruff	12 Sept. 2006	10 Oct. 2006	Open
256	Tice DeYoung is to draft a memo from NASA to Boeing, stating that it is our policy to use the CertiPath certs for Boeing. The language should say something like this: "We have successfully mapped your policy, your interoperability testing has been completed, and we have found your audit letter to be acceptable. However, we do not feel a direct cross-certification is warranted because we can get to you via CertiPath." Dr. DeYoung will provide this memo to Jacqueline Knoll of Boeing to use in talking with the Johnson Space Center program people.	Tice DeYoung	10 Oct. 2006	20 Oct. 2006	Open
257	Judy Fincher is to issue an e-vote to lift restrictions on the USPS cross-certification	Judy Fincher	10 Oct. 2006	16 Oct. 2006	Closed
258	Dr. Alterman is to meet with DoD (Deborah Mitchell) off line and extend their provisional cross-certificate for one month.	Dr. Alterman	10 Oct. 2006	13 Oct. 2006	Open
259	Judy Fincher will send the audit summaries matrix to voting members.	Judy Fincher	10 Oct. 2006	16 Oct. 2006	Open
260	Dr. Alterman will conduct discussions off-line with DHS to see if DHS has applications requiring cross-certification with Canada.	Dr. Alterman	10 Oct. 2006	21 Oct. 2006	Open

No.	Action Statement	POC	Start Date	Target Date	Status
261	Deborah Mitchell stated she would provide information on FIXS to Mr. Stafford.	Deborah Mitchell	10 Oct. 2006	21 Oct. 2006	Open
262	Georgia Marsh will convene a working group comprised of NASA (Tice DeYoung), GSA (David Temoshok), NIST (Tim Polk), GPO (John Hannan), and Brian Dilley (Contractor, Treasury) to spearhead an educational initiative to educate managers of the Lines of Business about E-Auth and FPKI and future work on outstanding alignment/policy issues between E-Auth/FPKIPA .	Georgia Marsh	10 Oct. 2006	14 Nov. 2006	
263	David Temoshok will write a standard briefing for the technical and program office regarding the intersection of Federal PKI and SAML.	David Temoshok	10 Oct. 2006	14 Nov. 2006	Open