The Postsecondary Electronic Standards Council (PESC) announced the U.S. Department of Education’s Office of Federal Student Aid (FSA) Winner of the 2004 PESC Best Practices Competition for its submission, the XML Registry and Repository for the Education Community, at the 2nd Annual Conference on Technology and Standards held May 2-4, 2005, in Washington, D.C. The Best Practices Competition, now in its sixth year, is held by PESC to promote innovation and ingenuity in the application of standards for business needs.

“I am very pleased to accept this award for Federal Student Aid,” states Holly Hyland, Management Analyst, Integration Team, FSA, US Department of Education, who accepted the award on behalf of FSA. “Collaboration does work!” she continues.

The PESC Board of Directors also awarded the Postsecondary Electronic Transcript Exchange (PETE) submission made by The OCAS Application Services Inc. (OCAS) as First Runner Up. OCAS created a common Ontario Postsecondary Transcript System for the 28 Ontario member Colleges using the EDI standards for education transaction sets. The PETE solution facilitates the electronic exchange of transcripts with the Ontario Universities’ Electronic Transcript System (OUETS). All past winners of Best Practices are available at http://www.PESC.org/Events/Best-Practices.asp.

PESC also honored Mark Bolembach of SunGard SCT and Tim Bornholtz of FSA with Distinguished Service Awards for their work and efforts on the PESC Guidelines for XML Architecture and Data Modeling. Now part of the overall Policies and Procedures Manual for
PESC’s Standards Forum for Education, these guidelines mark a significant milestone for the community as PESC and FSA now share a unified methodology for XML. All past recipients of PESC’s Distinguished Service Awards are available at http://www.PESC.org/About/Service-Awards.asp.

**ABOUT THE XML REGISTRY AND REPOSITORY FOR THE EDUCATION COMMUNITY**

The XML Registry and Repository for the Education Community is a web-based application written in Java running on IBM Websphere 5.1. It uses Jakarta Struts and JSP’s for the user presentation. The object relational data binding is Torque, and the database is Oracle 9i located at the Virtual Data Center (VDC). The XML Registry and Repository for the Education Community conforms to ebXML Registry and Repository 2.5 specifications. More than the application itself though, the XML Registry and Repository for the Education Community is a story of collaboration of government working in partnership with community based-standard organizations, of building it once and using it many times thus maximizing opportunities for all stakeholders, and of best practices.

Four years ago, several standard organizations gathered together to work with FSA to work on an idea called the Common Record – one schema that streamlined data packet submission between schools and FSA. Over time, the scope of this effort expanded to creating an XML higher education taxonomy. The XML Registry and Repository for the Education Community is a central location where four years worth of collaborative work is stored and available to anyone who is interested in XML higher education meta-data.

In an effort to support all the standards development and maintenance work of the Standards Forum for Education within the community, PESC has released v 1.0 of its Policies and Procedures Manual. Included in the manual:

- An overview of the mission and purpose of the Standards Forum for Education including governance and the roles and responsibilities of boards, workgroups, and committees.
- The submission and approval process that outlines how transactions are submitted and the process they must follow as candidates in order to become PESC approved standards, including public comment and member voting requirements.
- Change control procedures including management of production issues and version control.
- The PESC Guidelines for XML Architecture and Data Modeling.
- The User Manual for the XML Registry and Repository for the Education Community.

The manual is freely available to the public and can be accessed at http://www.PESC.org/info/Policies-Procedures.asp.
Standard Documentation Format

The Data Transport workgroup has requested that PESC develop a standard for documentation, or a form to be used to follow when developing documentation. Since a documentation standard does not exist, the Technical Advisory Board (TAB) of the Standards Forum for Education has been asked to investigate and recommend documentation best practices in documentation. The TAB is being asked to define answers to the following questions:

- If you are developing an Implementation Guide, use model “A”.
- If you’re developing a web service, use model “B”
- If you’re developing a schema, use model “C”

The goal is to ensure that the community and PESC “submitters” know the answer to the question “If I am submitting “X” to PESC, what documentation do I need to provide with it?”. With the request now defined, the TAB has decided to proceed by investigating what other groups have done (if anything) in this area. Organizations that will be researched include: HR-XML, IMS Global Learning Consortium, Mortgage Industry Standards Maintenance Organization (MISMO), and HL7. The TAB will work on this effort and report back out when results are ready. Stay tuned!

XML High School Transcript Workgroup Launches

The official launch of the High School Transcript Workgroup kicked-off through a conference call held Tuesday May 24, 2005.

With 39 people on the call representing 24 organizations, this call was very successful and a great opportunity for the community to join this effort. Complete notes from this call along with a roster of participants can be found on page 7.

To view the latest DRAFT documentation, click on http://www.PESC.org/Workgroups/HSTranscript/.

Jennifer Kim Joins PESC as Membership Services Manager

Jennifer Kim joins PESC on June 1, 2005 as Membership Services Manager. Jen has a Bachelor of Science Degree in Marketing from George Mason University and a minor in Information Technology. She comes to PESC from the Air Line Pilots Association (ALPA) where as Membership Services Analyst, she managed 5,000+ members. Jen will be working with Ane throughout the month of June to learn about PESC, its Membership, and higher education.

“We are thrilled and excited to have Jennifer with us and are highly confident that she will provide the quality service and attention that the PESC Membership deserves and has become accustomed to,” said Michael Sessa, PESC Executive Director. “Feel free to call on Jennifer for all your needs. And as always, we look forward to working with you all through the remainder of this year.”

Jen can be reached by email at Kim@PESC.org or by phone at 202-263-0296.

Mark Your Calendars

PESC is launching two new workgroups this month - Student Aid Inquiry and Admissions Application. Both workgroups will kick-off through community-wide conference calls. All interested parties are welcome to join these calls (dial 800-508-7631, then *9976409*), note numbers are the same for both calls. The agenda for both will include history and background of the development effort, an overview of the business case and any work that has been done to date, and next steps.

Student Aid Inquiry - Wednesday June 15, 2005 3pm - 4pm EDST
Admissions Application - Tuesday June 21, 2005 1pm - 2pm EDST
The next Electronic Authentication Partnership meeting that will be held on Tuesday, June 14, 2005 in Washington, D.C. from 10:00 a.m. to 3:30 p.m. at the Architect Institute of America Building. Meeting information and a registration form is located on page 13. We ask that you register by Thursday, June 9, 2005 to allow us appropriate time to prepare for the meeting. Thank you for your cooperation. If you have any questions please email Donna Carter at dcarter@nacha.org

As Congress gears up for the first major revision of telecommunications laws since 1996, a group of higher-education organizations is calling for revisions that would promote the extension of high-capacity broadband Internet, focus on development of an Internet that can billions of bits of information every second and guarantee that the Internet remain “open to all persons and all lawful content,” according to a recent press release.

The Schools Interoperability Framework Association (SIFA) announced that two government agencies, the Institute of Education Sciences (IES), a division of the U.S. Department of Education and the U.S. Department of Agriculture, have separately developed policies encouraging the purchase and use of software that meets SIF standards for data interoperability. SIF sample RFP language, certified products, interoperability readiness surveys, implementation tools, end-user discussion forums and membership information can all be found on the SIF web site at www.sifinfo.org.

More than 100 colleges and universities have made arrangements with Google that will give people using the Google Scholar search engine more direct access to library materials, according to

Technology Tidbits and Standards Snippets

UT Austin Internet Server ‘SPEEDEs’ Along

April 2005 volume included:

- 39,792 TS130 transcripts
- 33,131 TS131 acknowledgement
- 9,186 TS997 Functional acknowledgements
- 27,317 TS189 Admission Applications
- 17,597 TS138 test score reports
- 141,311 total transactions

April 2005 volume included:

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the Chronicle of Higher Education. In practice, when a user searches for a journal article and the library has an online subscription to the journal, for instance, a link leads to the online article. If the institution does not have an online subscription but holds a copy on the shelf, Google Scholar points users to the item’s location in the library. Users who are not on participating campuses usually see a link to a journal publisher’s Web site rather than to an article’s full text.

- The High Performance Computing Alliance, a Scotland-based organization made up of the world’s leading technology experts has joined together to build a ‘supercomputer’ 200 times faster than a normal PC. Reconfigurable computing using high performance chips called Field Programmable Gate Arrays (FPGA) is a fast growing industry and the aim of the Alliance will be to build a computer capable of combining a large number of these chips to provide faster and cheaper computer processing. For further information visit http://www.scottish-enterprise.com/sedotcom_home/news-se/news-fullarticle.htm?articleid=111232

- One element of Microsoft’s next OS will be Metro, a new document file-format that will challenge the existing PDF market. Metro is the code name for a new XML-based document technology framework, to appear in Longhorn, Microsoft’s next generation of Windows. Metro is an open-format page description language that allows users to share, print, view and archive the layout versions of documents. It supports the application of digital signatures within documents, and Microsoft plans to work in Windows Rights Management Services in Metro documents.

- A University of California at Santa Cruz study, “A Nation Offline: Research into the Digital Divide,” found that students with computers are more likely to graduate from high school than their peers without PC’s, even when variables like income and family education are fixed. A similar 2004 study by the center found that nearly half of high school graduates age 16 to 19 with home computers were enrolled in college, while the college enrollment rate for high school graduates without computers was one in four. To learn more about the University’s research visit http://www.thespartandaily.com/vnews/display.v/ART/2005/04/25/426dbd0c3f9bd

- IBM recently posted a paper evaluating the relative strengths of proprietary software and Open Source Software as development techniques that embrace the open standards valued by governments. As the widespread adoption of OSS continues, governments worldwide are increasingly converging to open standards to reap significant benefits, namely interoperability, flexibility, and avoidance of vendor lock-in. This paper discusses these benefits, as well as prominent open standards that provide such value for governments today. To access the paper visit http://researchweb.watson.ibm.com/journal/sj/442/simon.pdf

- Computer experts are questioning whether the “unit record” database, a large central database being considered by the Education Department, could be kept secure, states a Chronicle of Higher Education article. According to experts, to steal information from the existing system a hacker would have to compromise several systems, but if there is a centralized system, it can be hacked from any point in the system. Officials at the department indicate they are open to any ideas about how to keep confidential student information secure. For one thing, the database will likely not be connected to the Internet, stopping hackers from breaking into the server via public com-
Within the past several months, hackers have compromised computer networks at more than a dozen institutions, including California State University at Chico, Northwestern University, Tufts University, and the University of California at San Francisco, according to a recent Chronicle of Higher Education article. In addition, a laptop holding sensitive information was stolen from the University of California at Berkeley. Observers are not sure whether such breaches of security are actually on the rise on college campuses, or colleges are simply more aware of the attacks or more willing to notify users about them. “Many officials believe that hackers who hit colleges are not looking for personal information but are simply using the college computers to launch other attacks,” states the article. The U.S. Senate is considering legislation, S 751, that would levy a fine of up to $500,000 on any organization that failed to notify people that their confidential data has been compromised. The bill, modeled on the 2003 California law and sponsored by Sen. Dianne Feinstein, a California Democrat, has been amended to make it apply to all confidential data, electronic or otherwise, writes the Chronicle.

Microsoft has extended an invitation to the open-source community to discuss how it can better work with the open-source world. Brad Smith, Microsoft’s general counsel, called for bridge building between Microsoft, its competitors and the open-source community: “We’re going to have to figure out how we can bring the various parts of our industry closer together. Not necessarily in the sense of changing the way software is developed, but building bridges so that we all have the ability to collaborate with each other.” Eric Raymond, a consultant to Sun Microsystems Inc. on the company’s move to open-source Solaris, said he too welcomes the conciliatory tone from Microsoft: “Realistically, they could do some important things. One, open up their file formats. That is, fully document things like the Microsoft Word and Windows Media formats, and make a binding promise not to sue people who write software to interoperate with them... Two, put down the patent weapon... Three, support open technical standards, rather than sabotaging them. Microsoft has a history of destructive meddling at organizations like the IETF and W3C, and of attempting to hijack standards like Kerberos by making them dependent on proprietary ‘extensions.’ Simply not doing this would be a huge improvement.” To access the full article at eweek, visit http://www.eweek.com/article2/0,1759,1791085,00.asp

For the past six years EDUCAUSE has surveyed CIOs at its member institutions to get an understanding of Current Issues in education IT. The organization recently released the 2005 survey results, and compared them to the previous years to begin showing trends in IT issues. To access the survey results and analyze the trends visit http://www.educause.edu/apps/eq/eqm05/eqm0521.asp

“Sun Microsystems and Microsoft Corp have announced joint publication of two new identity management specifications and have outlined plans for additional collaborative effort to support product interoperability. The “Web Single Sign-On Metadata Exchange (Web SSO MEX) Protocol” and “Web Single Sign-On Interoperability Profile (Web SSO Interop Profile)” will enable browser-based Web SSO between security domains that use Liberty ID-FF and WS-Federation,” according to an xml coverpages article. To view the article, visit http://xml.coverpages.org/ni2005-05-16-a.html.
Notes from PESC Conference Call 5/26/05 on Development of XML High School Transcript

Discussion on the call was begun by Bruce Marton, Chair of the Workgroup, at 11:06 am Eastern Time. Bruce welcomed the group and introduced Michael Sessa, Executive Director of PESC.

Introduction to PESC: Michael Sessa also welcomed everyone to the call and gave a brief introduction to PESC. He noted that PESC is membership driven and pointed out that it is a council and does not maintain any student data. It is composed of postsecondary institutions, education software and SIS systems vendors and education associations. Prior to approving any XML (or other) standards, there must be an opportunity for everyone in the educational community to review and have input. And that is the purpose of expanding the ad hoc workgroup that has been developing the proposed XML standard for the high school transcript: so that others can participate and evaluate the proposed standard. And that is the primary purpose for today’s call.

History of the PESC Workgroup to develop the XML Standard for the High School Transcript: Bruce Marton then took the group through the development to date of this work and this workgroup. The foundation of the work really began in the late 1980's and early 1990's with work on the Electronic Data Interchange (EDI) postsecondary transcript created by the American Association of Collegiate Registrars and Admissions Officers (AACRAO) Committee on the Standardization of Postsecondary Education Electronic Data Exchange (SPEEDE). At the same time, a group sponsored by the US Department of Education’s National Center for Education Statistics (NCES) began work on an EDI version of the K12 transcript. This group (and the format) became known as the EXchange of Permanent Records Electronically for Students and Schools or ExPRESS. When the two groups (SPEEDE and ExPRESS) attempted to gain approval of the American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12, they insisted that we come up with one standard for both the K12 and the Postsecondary transcript. That standard was approved by ANSI ASC X12 as Transaction Set 130 (The Student Educational Record or Transcript).

The TS130 has had considerable implementation among postsecondary institutions. This has resulted in the electronic exchange of approximately 500,000 postsecondary transcripts each year. However, the number of K12 and high school transcripts exchanged electronically has not been that great. There are a number of reasons for this, but there is no reason to believe there will be an increase in the use of the TS130 among K12 schools.

Acknowledging the implementation difficulties of EDI, PESC began looking into the newer electronic transmission format (XML). PESC created the XML Forum several years ago to begin the creation of a data dictionary for the data elements needed for an XML transcript. It used the data content of ANSI ASC X12 Transaction Set 130 (TS130). This data dictionary also included data needed for the higher education financial aid community.

The XML Forum, now known as the Standards Forum, then began work on an example to see if an acceptable XML Schema could be created for the College Transcript. The workgroup completed its work and PESC approved the XML College Transcript in 2004.

Since there was much interest in the High School Transcript and we had the College Transcript approved, a brief review and comparison of the two documents showed that they were very similar.
Proposed PESC XML High School Transcript Schema Documents: So, at the October 2004 meeting of PESC in Newport Beach, a small workgroup was formed to work on a draft schema of the High School Transcript. That group has been holding weekly conference calls since then, and this has resulted in a draft schema.

Several documents are posted to the PESC website at www.PESC.org. Click on the sixth bullet in the middle of the page (Current Workgroup Info & Documents). Under the item “The High School Transcript Workgroup,” click on the item “Click here to view current documentation.”

At the right on the resulting page, there are three documents that may be downloaded to view the proposed XML Schema if you have an XML viewing tool, such as XML Spy. For best results, you should load all three of the documents with the extension .xsd.

If you do not have a special XML viewer, you may also click on the diagram in the middle of the page and view a (very large) diagram of the proposed schema. Unfortunately, you cannot see the proposed values for the data elements on this diagram.

These are not approved documents, but are a draft of a suggested XML schema as a proof of concept, so that it can be reviewed and modified as needed by a larger group of representatives of the education community. That larger group is represented by the participation on this call. Hopefully, this larger group will review it more closely and conduct stress tests on the proposed document.

Scope of Work: Bruce also noted that the scope of our work was purposely limited. Its scope originally only included the high school data needed for postsecondary institutions to make admissions decisions. It was modified slightly to provide additional information to state agencies.

Questions and Comments: Bruce then opened the meeting for questions and comments from the group.

- Dave Balberchak noted that his company (American Education Services) is working on interfaces with various software products for EDI and XML formats for high school and college transcripts. They are looking at using EDI TS130, proprietary formats and the XML format being discussed on today’s call.

- Tonya Lam from the University System of Georgia commented that her group is working with SunGard SCT on a project for the exchange of XML College Transcripts using the approved PESC format. Programming is well under way and testing is about to begin.

- Barbara Andrepont from SIF asked if PESC would be requesting ANSI ASC X12 to approve the XML format when it is complete. Bruce responded that we initially intended to seek approval from ANSI ASC X12, but they were not quite ready to accept requests for approval. They were still working on their new CICA XML architecture and were moving quite slowly. AACRAO and PESC both decided that it looked like it might take a year or two before X12 would be ready to consider any XML schema approvals. So, PESC decided to adopt a set of procedures to insure adequate review and approval by all constituents and approve the XML schemas as PESC
Barbara also observed that PESC has been concentrating on the content of the high school transcript and not on how the schema data would be moved across the Internet. Bruce agreed with her observation. He also noted that the free Internet Server operated by the University of Texas at Austin is ready now to be used to distribute PESC approved XML documents among educational institutions. The Internet Server is a hub and spoke process. It resembles the operation of the postal service in that it accepts a batch of EDI or XML documents from one school and then redistributes them to the destination schools.

Russ Brawn from the California School Information Services endorsed the proposed PESC standard as it stands now and says it is favorably considered by the California schools that have seen it. CSIS looks forward to a near term approval of the standard.

Bruce also noted that he hopes to have a draft version of an Implementation Guide of the proposed XML High School Transcript available within the next few months. It will be modeled after the College Transcript Implementation Guide which should be ready in draft form in a few weeks.

Barbara Andrepont asked if there will be definitions or a glossary in the Implementation Guide. Bruce said yes. The existing definitions will be taken from those already found in the CoreMain.xsd XML schema.

Howard Woodard from the Department of Education of Georgia also gave his support of the proposed PESC XML High School Schema and said plans are underway in Georgia to use it when it is approved by PESC.

Michael Merrill asked if it would be OK to use the proposed schema now to pilot test it to see if it really works and meets their needs. Bruce responded with a hearty YES!. He encouraged all interested parties to use it and test it to discover bugs or deficiencies. These can be brought back to the workgroup to discuss and provide answers or to revise the document before final approval is sought from PESC.

Barbara Andrepont reported that NCES is working on the new coding structure for K12 academic courses. She said that a draft should be published by the end of this summer. It is already included in the proposed PESC schema.

**Next Call:** The next regular weekly conference call of the workgroup is scheduled for next Thursday, June 2, 2005 at 11 am EDST. The calls are scheduled for one hour. Everyone is invited to join and participate in the call. Call in number is the same: Call 800-508-7631; Passcode is *9976409*.

Today’s call ended at 12:05 pm Eastern time.

**Notice by Note Taker:** If you find any errors or important omissions in the above notes, please let
me know right away. If you were on the call and your name does not appear with the others on the call, or if it does appear and you were not on the call, please let me know. We may be posting the corrected notes on the PESC website in a few days.

Also, if you are receiving these notes and no longer wish to do so, let me know and you will be removed from the distribution list.

Tom Stewart at stewartj@aol.com

On the call were

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<tr>
<td>1</td>
<td>Bruce Marton, Chair</td>
<td>Associate Director of Student Information Systems, Office of Admissions and Registrar</td>
<td>University of Texas at Austin</td>
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<td>Carol Alexander</td>
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<td>Oklahoma State Regents for Higher Education</td>
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<td>Barbara Andrepont</td>
<td>Chair, SIF ETTranscript Task Force</td>
<td>ESP Solutions Group</td>
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<td>Dave Balberchak</td>
<td>Project Manager, AES/PHEAA’s Transcript Exchange Services</td>
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<td>L. Russ Brawn</td>
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<td>Cindy Brown</td>
<td>Senior Coordinator for Student Preparation</td>
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<td>John Broz</td>
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<td>Mark N. Cohen</td>
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<td>Kimallison Cote</td>
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<td>Doug Falk</td>
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<td>National Student Clearinghouse</td>
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<td>Dayna Flath</td>
<td>Senior Advisory Consultant, Banner Student Development</td>
<td>SunGard SCT</td>
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<td>Robin S. Greene</td>
<td>Associate Director, Technology and Internet Services</td>
<td>The College Foundation of North Carolina`</td>
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<td>Donna Huber</td>
<td>Manager of Operations for California</td>
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<td>Lavon Jones</td>
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<td>Gregory G. Nadeau</td>
<td>Member, SIF Board and VP for Expert Advisory Services</td>
<td>ESP Solutions Group</td>
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<td>Senior Tech Associate - IT Standards</td>
<td>ACT, Inc.</td>
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<td>Application Systems Analyst</td>
<td>Oklahoma State Regents for Higher Education</td>
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<tr>
<td>No</td>
<td>Name</td>
<td>Title</td>
<td>Company/Association/School</td>
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<tr>
<td>29</td>
<td>Jason Schlotterback</td>
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<td>Pearson Government Solutions</td>
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<td>30</td>
<td>Michael Sessa</td>
<td>Executive Director</td>
<td>Postsecondary Electronic Standards Council (PESC)</td>
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<td>31</td>
<td>Clare Smith-Larson</td>
<td>SPEEDE, Project EASIER Coordinator</td>
<td>Iowa State University</td>
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<td>32</td>
<td>Ricky Steele</td>
<td>Director of Software Development</td>
<td>Oklahoma State Regents for Higher Education</td>
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<td>33</td>
<td>John T. Tom Stewart</td>
<td>Member</td>
<td>AACRAO SPEEDE Committee</td>
</tr>
<tr>
<td>34</td>
<td>David H. Stones</td>
<td>Registrar</td>
<td>Southwestern University (TX)</td>
</tr>
<tr>
<td>35</td>
<td>Pam Summers</td>
<td>Director, Student Applications - EAS for Office of Information and Instructional Technology</td>
<td>Georgia Board of Regents</td>
</tr>
<tr>
<td>36</td>
<td>Cindy Taylor</td>
<td>Office of Information and Instructional Technology</td>
<td>Georgia Board of Regents</td>
</tr>
<tr>
<td>37</td>
<td>Tom Vreeland</td>
<td>Architect and Chief Technologist</td>
<td>OpenVES.org</td>
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<tr>
<td>38</td>
<td>Barbara Waring</td>
<td></td>
<td>Georgia Department of Education</td>
</tr>
<tr>
<td>39</td>
<td>Howard Woodard</td>
<td></td>
<td>Department of Education of Georgia</td>
</tr>
</tbody>
</table>
Looking Ahead to June - Please mark your calendar for the June meeting of the Electronic Authentication Partnership (EAP) on Tuesday, June 14, 2005 in Washington, DC. The EAP will meet from 10:00 a.m. – 3:30 p.m. The meeting will take place at the following location:

Architects Institute of America Building  
1735 New York Avenue, NW  
Washington, DC, 20006  
Meeting Room: AIA Boardroom  
Metro Stop: Farragut West

Topics for Discussion - Among the issues to be covered during the meeting are:
- Update on the EAP Board and Introduction of Board Members
- Overview of Membership and Benefits
- EAP Pilot Updates
- Discussion: The Implications of HSPD 12 in the Context of Identity Federations
- The Federal eAuthentication Initiative: What It Is and How it Relates to the EAP

To allow us the opportunity to plan appropriately, please return the EAP meeting registration form to the NACHA office by Thursday, June 9, 2005. Dress for the meeting is business casual.

Please note that this is the last public meeting of the EAP. Following the June 14 meeting, attendance will be limited to those who join the partnership. While no meals will be provided in conjunction with the June meeting, a list of nearby restaurants and delis will be provided shortly. Following is a list of some Washington, DC hotels that are walking distance or a short cab ride from the meeting location:

Courtyard Wash. Northwest – 1900 Connecticut Ave., NW – 800-228-9290 or 202-332-9300  
Hotel Washington – 515 15th Street, NW – 202-638-5900  
JW Marriott – 1331 Pennsylvania Ave, NW – 800-228-9290 or 202-393-2000  
Washington Marriott – 1221 22nd Street, NW – 800-228-9290 or 202-872-1500  
Westin Grand – 2350 M Street, NW – 800-937-8461 or 202-429-0100
Registration Form
Tuesday, June 14, 2005
10:00 A.M. – 3:30 P.M.
Architects Institute of America Building

Please fill out the form below. If more than one person from your organization plans to attend, please have each person complete and forward the form. Thank you.

☐ I plan to attend.

Date: ______________________
Name: ______________________
Title: ______________________
Organization: ______________________
Address: ______________________
City/ST/ZIP: ______________________
Phone: ______________________
Fax: ______________________
E-mail: ______________________

PLEASE RETURN THIS FORM BY THURSDAY, JUNE 9, 2005:
Donna Carter
Coordinator, Public/Private Partnerships
13665 Dulles Technology Drive, Suite 300, Herndon, VA 20171
Phone: 703.561.3935 Fax: 703.561.0391
Email: dcarter@nacha.org