FOR IMMEDIATE RELEASE
March 11, 2009
Contact: Michael Sessa
PESC Executive Director
202-261-6516

California Statewide Electronic Exchange Program and the University System of Georgia Board of Regents' Implementation of High School and Postsecondary XML Transcripts Tie for Top Award in PESC's 10th Annual Best Practices Competition

Steve Biklen of NASLA, David Moldoff of AcademyOne, and Clare Smith-Larson of Iowa State University Honored with Distinguished Service Awards

Washington DC – The Board of Directors of the Postsecondary Electronic Standards Council (PESC) is very pleased to announce "*California Statewide Electronic Exchange Program"* and the "*University System of Georgia Board of Regents' Implementation of High School and Postsecondary XML Transcripts"* as Winners of PESC's 10th Annual Best Practices Competition for 2008. Their submissions received high praise from the PESC Board Review Committee for the Best Practices Competition. Awards will be presented at the opening session of the 6th Annual Conference on Technology and Standards being held April 5 – 7, 2009 in Washington, D.C. The Best Practices Competition is held each year by PESC to promote innovation and ingenuity in the application of standards for business needs.

"Utilizing this functionality [High School and Postsecondary XML Transcripts] creates a seamless and timely flow of transcript data between institutions," states the submission from the Georgia Board of Regents. "Electronic transcript implementation...will not only help the system but will reduce local data entry. Most importantly, the electronic transcript will also save money for paper and postage and in this time of budget shortfalls, institutions are looking for additional ways to cut costs."

The California submission, also known as CCCTran – California Community College Transcript Program states, "CCCTran enables highly flexible, secure transcript request and delivery services between the State's 110 California Community Colleges and between the University of California (UC) and California State University (CSU) systems, as well as other higher educational institutions. Beyond significant cost savings and environmental benefits of electronic transcripts over paper, the most exciting promise of CCCTran is its potential to improve student outcomes by facilitating online academic planning and K-12 to College longitudinal studies from combined academic record data."

PESC will also honor Steve Biklen of NASLA, David Moldoff of AcademyOne, and Clare Smith-Larson of Iowa State University with "Distinguished Service Awards." Steve Biklen has served on the PESC Board of Directors since November 2002; and for most of those years, as Treasurer. Mr. Biklen is the founding President of the Citibank Student Loan Corporation and served as Chair of the Advisory Committee on Student Financial Assistance for a number of years. Mr. Biklen, who currently sits on the Board of Directors at American Student Assistance, has decided that he will not be renominated when his current term on the Board expires this June 30. David Moldoff has served on the PESC Board of Directors since July 2003 and currently Co-Chairs PESC's Academic Progress XML Development Workgroup. Mr. Moldoff joined the Board as Senior Vice President of Solutions Architecture and Infrastructure at SCT (now SunGard Higher Education) and currently serves on the PESC Board as Founder and CEO of AcademyOne, Inc., a company he launched several years back. Clare Smith-Larson of Iowa State University is a long-time champion of PESC having been involved with PESC since its launch. Ms. Smith-Larson has also served as Chair of AACRAO's SPEEDE Committee and currently serves as Chair of PESC's Steering Committee for the Standards Forum for Education.

About PESC

Established in 1997 and located in Washington, D.C., the Postsecondary Electronic Standards Council (PESC) is a non-profit, 501(c)(3) community-based, umbrella association of colleges and universities; professional and commercial organizations; data, software and service providers; non-profit organizations and associations; and state and federal government agencies. Through open and transparent community development, PESC leads the alignment of data across disparate stakeholder systems to ensure simplified and cost-effective student progression along the higher education lifecycle. Goals and strategies that support the mission include: Lead the establishment & facilitate the adoption & implementation of data exchange standards; Highlight & support best practices for data access & data exchange; Maintain collaborative relationships with all public, private, governmental & international stakeholders; Serve as a standards-setting body; Advocate for operational efficiencies & improved performance in student data exchange from initial access of the student from high school into the college environment through successful completion of the education experience; Promote cost effectiveness of data alignment across disparate systems & across sectors that help mitigate costs for institutions struggling to keep up with the demands of technology & real-time data exchange while maintaining competitive tuition rates, and; Continue building a core competency in XML architecture & data modeling. For more information, please visit www.PESC.org.

# # #

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Celebrating Our 10th Anniversary in 2007

POSTSECONDARY Electronic Standards Council PESC.ORG

March 9, 2009

Keith Franco
Regional Manager
XAP Corporation
3534 Hayden Avenue
Culver City, CA 90232

Dear Keith:

On behalf of the Board of Directors of the Postsecondary Electronic Standards Council (PESC), I am very pleased to inform you that the California Statewide Electronic Exchange Program and the University System of Georgia Board of Regents' Implementation of High School Postsecondary XML Transcripts and are both being awarded *Winners* of PESC's 2008 Best Practices Competition! Our Board Review Committee was very pleased with your submission and found that both submissions are worthy of this distinction and award.

To ensure you are aware of events and activities, please note the following:

- The official announcement will be made immediately in the form of a press release. The award itself is usually made at the opening of the Annual Conference on Technology & Standards...so for this year it would be on Monday morning April 6, 2009. Due to the economic crisis and limited travel budgets, I know traveling for the award may not be possible. I hope you are able to attend in person. If not, we can discuss alternate arrangements.
- As an award winner, you are offered the opportunity to present your submission during a concurrent session at the conference, which is already in place for that purpose; but again if you or someone from the XAP or CCCTran is unable to attend, we can discuss alternate arrangements.
- Your submission will be posted prominently *ad infinitum* on PESC's website at http://www.pesc.org/interior.php?page_id=153 along with the previous award winners.

Thank you to you and the entire team for providing valuable information and services to the education community, and congratulations!

Best Regards,

Michael Sessa

Michael D. Sessa
Executive Director

cc: PESC Board of Directors

Standards Make the Network!

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Celebrating Our 10th Anniversary in 2007

POSTSECONDARY Electronic Standards Council PESC.ORG

March 9, 2009

Karen Nunn
GaBEST Program Director
Office of Information and Instructional Technology
Board of Regents of the University System of Georgia
2500 Daniells Bridge Road, Building 300
Athens GA 30606

Dear Karen:

On behalf of the Board of Directors of the Postsecondary Electronic Standards Council (PESC), I am very pleased to inform you that University System of Georgia Board of Regents' Implementation of High School and Postsecondary XML Transcripts and the California Statewide Electronic Exchange Program are both being awarded *Winners* of PESC's 2008 Best Practices Competition! Our Board Review Committee was very pleased with your submission and found that both submissions are worthy of this distinction and award.

To ensure you are aware of events and activities, please note the following:

- The official announcement will be made immediately in the form of a press release. The award itself is usually made at the opening of the Annual Conference on Technology & Standards...so for this year it would be on Monday morning April 6, 2009. Due to the economic crisis and limited travel budgets, I know traveling for the award may not be possible. I hope you are able to attend in person. If not, we can discuss alternate arrangements.
- As an award winner, you are offered the opportunity to present your submission during a concurrent session at the conference, which is already in place for that purpose; but again if you or someone from the Georgia Board of Regents is unable to attend, we can discuss alternate arrangements.
- Your submission will be posted prominently *ad infinitum* on PESC's website at http://www.pesc.org/interior.php?page_id=153 along with the previous award winners.

Thank you to you and the entire team for providing valuable information and services to the education community, and congratulations!

Best Regards,

Michael Sessa

Michael D. Sessa
Executive Director

cc: PESC Board of Directors

Standards Make the Network!

****EMAIL SUBMISSION****

From: Keith Franco
Sent: Friday, January 30, 2009
To: Michael Sessa
Cc: Catherine McKenzie Tim Calhoon, Lenny Robison,
Subject: Submission for the PESC Best Practices Award

Michael Sessa, Executive Director
Postsecondary Electronics Standards Council
1250 Connecticut Ave. NW Suite 200
Washington, DC, 20036

January 30, 2009

Dear Michael,

Please accept this as an official submission of CCCTran, the California Statewide Electronic Transcript Exchange Program. for the 2008 PESC Best Practices Competition. We are pleased to submit this letter on behalf of the California Community College Technology Office and the Xap Corporation.

California Community College Technology Focus Awards

Statewide Electronic Transcript Exchange (CCC Tran) – CCC Technology Center Project

Statewide Electronic Transcript Exchange (CCC Tran) project has established the operation of a statewide internet-based system for requesting, viewing and transmitting academic transcripts among authorized educational institutions and their trading partners. Beyond significant cost savings and environmental benefits of electronic transcripts over paper, the most exciting promise of CCCTran is its potential to improve student outcomes by facilitating online academic planning and K-12 to College longitudinal studies from combined academic record data. The project team is currently working with California School Information Services (CSIS) through a federal grant to provide K-12 transcripts to CCCTran.

CCCTran enables highly flexible, secure transcript request and delivery services between the State's 110 California Community Colleges and between the University of California (UC) and California State University (CSU) systems, as well as other higher educational institutions in and via the Texas Server out-of-state. It is the first true large scale electronic system for transcript exchange between any colleges that does not require negotiating the details of the transcript content. CCCTran interfaces well with all leading student information systems (SIS) and it automatically translates transcript information into various national standards such that the sending college does not need to identify the format. The system is expeditious, provides

tracking of the transcript, and offers data security and integrity with the potential to greatly reduce data entry error and paper forgeries. The main challenge of the project has been how to interface CCCTran with the various colleges' student information systems. The project overcame this challenge with the aid of the pilot colleges who offered new member colleges with model interface code they developed during the pilot phase to get to live status in CCCTran. In addition to saving staff processing time, electronic transcripts reduce paper consumption and waste, office expenses and postage. The CCC System Office has estimated that costs for CCCTran member colleges will drop from an average of seven dollars per transcript to less than fifty cents per transcript.

The California Community Colleges System Office recognizes Statewide Electronic Transfer Exchange (CCCTran) project team at CCC Technology Center (Butte College) with a *2008 Technology Focus Award*.

Catherine McKenzie
Project Monitor
California Community Colleges System Office
cmckenzi@cccco.edu

Tim Calhoon
Project Director
CCC Technology Center
calhoonti@cccnext.net

Lenny Robison
CCCTran Project Manager
lenny.robison@sbcglobal.net

Keith Franco
Regional Manager
Xap Corporation
530-520-3471
keith@xap.com

Please accept this letter as an official submission of the University System of Georgia Board of Regents' implementation of High School and Postsecondary XML Transcripts for the 2008 PESC Best Practices Competition.

In 2005, the University System of Georgia Office of Information and Instructional Technology (OIIT) began working with SunGard Higher Education (HE) to develop, test, and implement Postsecondary XML transcript processing. SunGard HE determined that the import / export processes would be beneficial to all their clients and agreed to include the functionality in their baseline Banner Student System.

The processes not only provide the means to import and export the data, but also allow a student's academic data to be securely transmitted between institutions via a dedicated server at the University of Texas-Austin. By partnering with SunGard HE to make this part of their baseline product, the number of institutions available for exchange increased dramatically as any Postsecondary institution utilizing the Banner Student product has the ability to participate in the exchange with greater ease.

Implementing electronic transcript exchange in this manner not only facilitates transcript exchange amongst like ERP systems, but allows an open exchange between many electronic transcript formats in the UT-Austin repository. In fact, exchange is not limited to XML only but also works successfully for transcript exchange with institutions using the EDI format.

Implementation began in February of 2007 with five User Acceptance Training (UAT) sessions for both functional and technical personnel from 35 institutions. Since the trainings, 2933 transcripts have been exchanged between Georgia institutions. USG institutions have begun to exchange with non-USG institutions as well.

In addition to the classroom-style implementation training, OIIT composed technical and functional documentation for SunGard HE baseline and Georgia enhanced functionality. Since the UAT sessions, OIIT has maintained contact with the institutions via monthly webinars, listserv communications and follow-up classroom training sessions.

Two hundred thirty one e-mail messages were sent to encourage the implementation of Postsecondary Transcript Exchange. OIIT created a dedicated web page to keep USG institutions up-to-date with software enhancements, defect corrections, and current production status at all USG institutions. In addition, a number of User-Defined Extensions were created by the OIIT to transmit Georgia specific data such as non-course requirements and student attributes.

In an effort to encourage the use of electronic transcript exchange, OIIT staff members presented sessions at national and regional conferences (SunGard Summit and SETA), moderated a panel discussion at the annual USG computing conference (Rock Eagle), and demonstrated functionality at state-wide user group meetings (Georgia Summit).

The High School XML Transcript project came to life during this same time period. In conjunction with The Georgia Student Finance Commission, a standardized high school transcript was created for use by all Georgia high schools. This transcript format is based on PESC standards.

The goal of the project is to load the entire high school transcript into college databases utilizing a third party load process (Xap and SSD Technology Partners). Phase one of the project involved loading the Georgia Testing ID (GTID) and other student biographical data. The Georgia Department of Education and the USG entered into a collaborative agreement to track students throughout their public education using this standard ten digit identification number.

The GTID follows students from kindergarten through college. This portion of the project has been in production since June 2008 and over 34,000 transcripts have been received electronically from Georgia high schools. Phase two, which adds the loading of the complete high school course work, is in campus beta testing and scheduled for production release in March 2009.

The Georgia Board of Regents recognized additional benefits in migrating to electronic transcript exchange. Utilizing this functionality creates a seamless and timely flow of transcript data between institutions. There are a number of data collection fields such as the GTID and student GTP attributes which are critical for System reporting that are currently being entered manually. These data fields are part of the electronic transcript so implementation of this functionality will not only help the System but will reduce local data entry. And most importantly, the electronic transcript will also save money for paper and postage and in this time of budget shortfalls institutions are looking for additional ways to cut costs.

In summary, the Georgia Board of Regents has provided leadership in the area of electronic transcript exchange. Their early provision for and adoption of the technology led to it’s incorporation into the baseline Banner product. The success of this project has impacted not only the USG system but has facilitated Postsecondary XML transcript exchange functionality for the entire SGHE Banner customer base.

Thank you for your consideration of this submission. Please do not hesitate to contact us for more information if needed.

Attachments accompanying this submission include:

- Presentation made at AACRAO, May 2006
- Presentation made at SCT Summit, April 2008
- Agenda for PostSecondary XML Training, 2008
- Agenda for High School XML Training, 2009
- January GaBEST Gazette news article, January 2009
- Screen shot of dedicated web page for XML
- Letter of endorsement from Tonya Lam, Vice Chancellor for Student Affairs, Board of Regents of the University System of Georgia
- Letter of endorsement from Murray County High School
- Letter of endorsement from Kennesaw State University
- Letter of endorsement from Georgia State University
- Letter of endorsement from Georgia Southwestern State University

BOARD OF REGENTS OF
THE UNIVERSITY SYSTEM OF GEORGIA

OFFICE OF STUDENT AFFAIRS
270 WASHINGTON STREET, S.W.
ATLANTA, GEORGIA 30334

404/656-2272 PHONE
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STUDENT-AFFAIRS@USG.EDU

January 28, 2009

Dear PESC Award Committee:

Please accept this letter of recommendation for the submission of the University System of Georgia (USG) Board of Regents' implementation of High School and Postsecondary XML Transcripts for the 2008 PESC Best Practices Competition.

The USG Board of Regents' Office of Student Affairs and the Office of Information and Instructional Technology's (OIIT) dedication to the postsecondary exchange of transcripts developed into a partnership with SunGard Higher Education. Due to our early development of this technology, SunGard HE modeled their baseline product after the USG Postsecondary XML Transcript project. Since incorporation into the Banner Student Information System, the institutions of the USG have exchanged close to 3,000 transcripts within the state. In 2008, exchange began with institutions outside of our system. Thanks to OIIT's work with the University of Texas-Austin repository, our institutions have the potential to exchange with institutions world-wide.

A partnership between the Board of Regents' Office of Student Affairs, OIIT, Xap, SSD Technology Partners and The Georgia Student Finance Commission allowed for the development of the High School XML Transcript project. Utilizing PESC standards, a high school transcript format was created for use by all Georgia high schools. The standardized transcript format led to the development of a load process to ease admissions offices' data entry workload. The process loads student biographical information, high school courses, and Georgia specific data. In addition to reducing the massive amounts of data entry, the uniformed population of data fields is especially useful for reporting purposes. In the first three quarters of 2008, over 23,000 transcripts were electronically delivered to USG institutions.

As a PESC member, I highly recommend the University System of Georgia Board of Regents for the 2008 PESC Best Practices Competition. The USG is a clear leader in the electronic transcript field. Our encouragement and direction towards transitioning to electronic transcript exchange provides many benefits to our USG institutions, students and staff. Not only does this project allow for a secure and prompt delivery of transcript data, but also serves as a means to reduce institutional budgets by saving costs related to secure transcript paper and postage.

Thank you and please do not hesitate to contact me if additional information is needed.

Regards,

Tonya R. Lam,
Vice Chancellor for Student Affairs

Ms. Julia Grubbs
Information Analyst
Office of Information and Instructional Technology
Board of Regents - University System of Georgia

Julia,

I'm happy to provide this letter of support for the XML transcript process to be used with post-secondary institutions. Once completed and implemented, we believe it will result in more efficient and timely processing of students' transfer records and should reduce time currently spent by admissions staff entering course credits as well as eliminate errors that occur entering them manually. Our advisement offices should then be able to communicate with new transfer students quickly about expected transfer credit and start the advisement process for new students. This is a critical component to recruiting and retaining new transfer students at the University.

Georgia State has carefully evaluated the Banner processes provided during the project and made changes where necessary to accommodate our large transfer population. The changes and programming time spent have been significant but should result overall in a very effective process for managing the flow of electronic transcripts and transfer articulation, thus improving communications with our new students.

I also want to state that you have served as an effective leader for this project. The periodic WIMBA sessions for institutions to share information and concerns and give status updates helped keep the project on track, and you have been available at any time for questions about the project or the XML transcript process. I suspect it isn't easy keeping up with 30+ institutions of various sizes, structures and populations, and you've done a great job pushing this project forward!

Again, we look forward to implementation of XML transcripts that will have a positive impact on our students as well as staff workflow!

Sincerely,

Tim Woltering
Project Director for Enrollment Management
Georgia State University
cc: Cherise Y. Peters
Assistant Vice President for Enrollment Services and University Registrar
Georgia State University

Winnie Tsang-Kosma
Senior Associate Registrar and Project Lead for XML Transcripts
Georgia State University

January 29, 2009

PESC Best Practices Award Selection Committee:

I would like to offer my support to the Office of Information and Instructional Technology (OIIT), Board of Regents of the University System of Georgia in their nomination for the PESC Best Practices Award. OIIT has worked hard to produce a state of the art electronic (XML) high school transcript submission system within Georgia.

Electronic receipt of transcripts allows a much greater level of customer service to our college applicants. The system allows for either self submission by the applicant or submission by the high school and allows the applicant to see that the transcript has been sent and has been received by the institution. Our download processes in the Office of Admissions allows much faster review of the high school transcript and admission decisions.

Kennesaw State University, and the University System of Georgia, continues to grow in student enrollment. During these difficult budget times, it is even more imperative that we find ways to work smarter, not harder. The XML high school transcript process is one significant way that all USG colleges and universities can serve our applicants more efficiently and more accurately without increasing human resources.

OIIT is fully deserving of consideration for the Best Practices Awards for their hard work and creativity in this project.

Sincerely,

Susan Blake

Susan Blake
Associate Dean for Enrollment Services
And University Admissions

GaBEST Gazette

GaBEST Project Team Update

Georgia BEST
Georgia Banner Enhanced System Team,
A Project of the University System of Georgia

A Publication of the GaBEST Production Support Group **January 2009**

eTranscript Exchange

The past year has been a great year for Postsecondary (PSXML) and High School XML (HSXML) Transcripts. For the Postsecondary XML Transcript, 767 transcripts were exchanged by USG institutions and three institutions moved into production with the electronic exchange.

More institutions have projected production dates in 2009. Some institutions even exchanged outside of the USG system. Training sessions (both classroom and electronic) and conference presentations were given to assist institutions in preparing for this exciting technology.

Additionally several known issues were resolved by SunGard Higher Education and OIIT. Those using the newest version of the exchange process are impressed with the progress made to make the Postsecondary XML Transcript more user friendly.

Great progress was made in 2008 for the High School XML Transcript as well. 23,739 transcripts were received electronically from Georgia high schools in the first three quarters of 2008.

OIIT and SSD worked diligently to write a full load process that will populate applicant information as well as high school data including the Georgia Testing ID and coursework data. Beta testing is currently being conducted by USG institutions and a production release is expected in quarter one of 2009.

An optional training session is planned for both the Postsecondary and High School XML Transcripts February 9–11, 2009. The training will be held in the OIIT Athens classroom.

The HSXML session will provide instructions for uploading high school transcripts into Banner. Training will also include a review of new Georgia Enhancements related to high school transcript processing.

The PSXML session is an encore of previous on-site training and will provide instructions for confirming functional and technical set-up. Participants will be given the opportunity to exchange transcripts with fellow participants.

For more information or to RSVP, please contact Julia Grubbs at julia.grubbs@usg.edu.

Documentation Focus Group

In response to feedback following the Whazzup Doc? Wimba session offered on December 11, 2008, the GaBEST Production Support Team is forming a Documentation Focus Group.

This group will come together to offer suggestions on how the documentation provided by the GaBEST Production Support Team can continue to improve and become more user friendly and accessible.

If you are interested in participating in this effort, please contact Karen Nunn at karen.nunn@usg.edu.

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High School XML Transcript Training Agenda

Meeting Date:	February 9, 2009	**Time:**	10:00 am – 5:00 pm
Location:	Athens – DB Classrooms		

Team Leader: Julia Grubbs

Meeting Purpose: To setup and test High School XML Transcript load on institutional test databases

To review and test Georgia Enhancements related to the High School XML Transcript

Time	Topic	Process / Responsible	Outcome
10:00 - 10:15	Welcome and Introductions	Julia Grubbs	
10:15 - 10:30	History and review of the High School XML Transcript project	Sarah Wenham	
10:30 – 10:45	Demonstration: 1. High School XML Transcript load process via Axiom 2. High School Subject Validation Table Loader (load_stvsbjc.ctl) 3. CPC Fulfilling High School Courses Rules Form (ZOACPCH) 4. CPC HS Requirements Update Process (ZORCPCH) 5. High School Batch GPA Calculation (ZORHSBG)	Julia Grubbs	
10:45 – 11:00	Review of Documentation: 1. High School XML Transcript Download Instructions (XAP) 2. High School XML Transcript Upload Instructions for Axiom 3. Upgrade Instructions for Axiom 3.0.8 and the High School XML Source 4. Test Plan for Georgia Banner Enhanced Student and	Julia Grubbs	

	Financial Aid Systems 7.18B 5. High School XML Transcript Workbook 7.18B		
11:00 – 11:15	Break	All	
11:15 – 12:00	Set-up in test databases	All	
12:00 – 1:30	Lunch (on your own)	All	
1:30 – 5:00	Hands-on Training: 1. Practice and confirm load of High School XML Transcript 2. Practice and confirm testing of Georgia Enhancements OIIT staff members will be available to offer assistance during the practice / testing process	All	

Postsecondary XML Transcript Training Agenda

Meeting Date:	July 14 – 16, 2008	**Time:**	9:00 am – 5:00 pm
Location:	Athens – DB Classrooms		

Team Leader:	Julia Grubbs

Meeting Purpose:	To setup and test XML Transcript on institutional test databases using the Implementing XML Transcript document To manually move the test database configuration to production databases

Day 1 - Monday

Time	Topic	Process / Responsible	Outcome
9:00 - 9:20	Welcome and Introductions	Julia Grubbs	
9:20 - 9:25	Overview of Documentation 1. Preparing for XML Transcript – Texas Server and PGP setup https://www.usg.edu/banner/7x/docpdf/2008/baseline/uptplans/Preparing_for_XML_Transcript_0408.pdf 2. List of institutions using the Texas Server http://www.utexas.edu/student/giac/speede/ediserv.html 3. Implementing XML Transcript https://www.usg.edu/banner/7x/docpdf/2008/gamods/userdocs/ImplementXMLTranscript7_12_June08.pdf 4. PESC XML Postsecondary Transcript Implementation Guide http://www.pesc.org/library/docs/standards/College%20Transcript/XMLCollegeTranscriptImplementationGuide05162008V%201.1.1.pdf	Julia Grubbs	

	5. SunGard SCT Baseline release and user guides		
9:25 – 9:45	Confirm TEST database technical setup 1. Installed software successfully 2. PGP client configured 3. Obtained Texas Server account a. Username and password b. Attendee must have access to e-mail account c. Opened firewall d. Exchanged keys with Texas e. Confirm successful contact with Texas Server Note: Use "Quick Deliver" (30 minute lag time) for training.	Julia Grubbs, DBAs	
9:45 – 10:00	Break	All	
10:00 – 10:10	Add Texas Server information to Banner 1. SHACTRL 2. SOASBGA	All	
10:10 – 11:00	Building Export and Import Rules 1. STVTERM 2. SHATPRT 3. STVSBGI 4. STVDSTS	All	
11:00 – 11:45	Building Translations 1. SOAXREF	All	
11:45 – 1:15	Lunch (on your own)	All	
1:15 – 3:00	SOAXREF (continued)	All	
3:00 – 3:10	Break	All	
3:10 – 4:50	Exporting Transcripts 1. SHARQTC 2. SHRPESE 3. Verify XML transcript content and PGP encryption	All/DBAs	
4:50 – 5:00	Summary/Action Items	Julia Grubbs	

Day 2 – Tuesday

Time	Topic	Process/Responsible	Outcome
9:00 – 9:20	Resolve any outstanding issues from previous day.	All	
9:20 – 10:00	Exporting Transcripts (continued)	All	
10:00–10:10	Break	All	
10:10-11:45	Importing XML Transcript and Matching Student Records 1. SHRPESI 2. ZHAEDIS	All	
11:45 – 1:15	Lunch (on your own)	All	
1:15 – 3:00	Routing Transcript Data 1. Route test scores to SOATEST 2. Route non-course requirements to ZOAGARP 3. Route academic history to SHATAEQ		
3:00 – 3:10	Break	All	
3:10 – 4:50	Practice Exporting and Importing of various transcript types	All	
4:50 – 5:00	Summary/Action Items	Julia Grubbs	

Day 3 – Wednesday

Time	Topic	Process/Responsible	Outcome
9:00 – 9:20	Resolve any outstanding issues from previous day.	All	
9:20–10:00	Notify Texas Server of change to Production	All	
10:00 - 10:10	Break	All	
10:10-11:45	Begin setup on PRODUCTION database	All	
11:45 – 1:15	Lunch (on your own)	All	
1:15 – 3:00	Continue setup on PRODUCTION database	All	
3:00 – 3:10	Break	All	
3:10 – 4:50	Practice Exporting and Importing of various transcript types	All	
4:50 – 5:00	Summary/Action Items	Julia Grubbs	

Georgia's XML Transcript Exchange Update

Presented by: Tonya R. Lam, Associate Vice Chancellor,
University System of Georgia

Date/Time: Wednesday April 19, 2006
3:45 pm - 4:45 pm

Program Code: W5.120
Session ID: 120

Session Rules of Etiquette

- Please turn off your cell phone/pager
- If you must leave the session early, please do so as discreetly as possible
- Please avoid side conversation during the session

Thank you for your cooperation!

Introduction

- Who are we?
  - The University System of Georgia
- Why we decided to adopt XML for the transcript project?

Introduction

- What is Postsecondary Electronic Standards Council (PESC)?
- What is eXtensible Mark-up Language (XML)?
- Status of the Project

University System of Georgia

Colleges & Universities

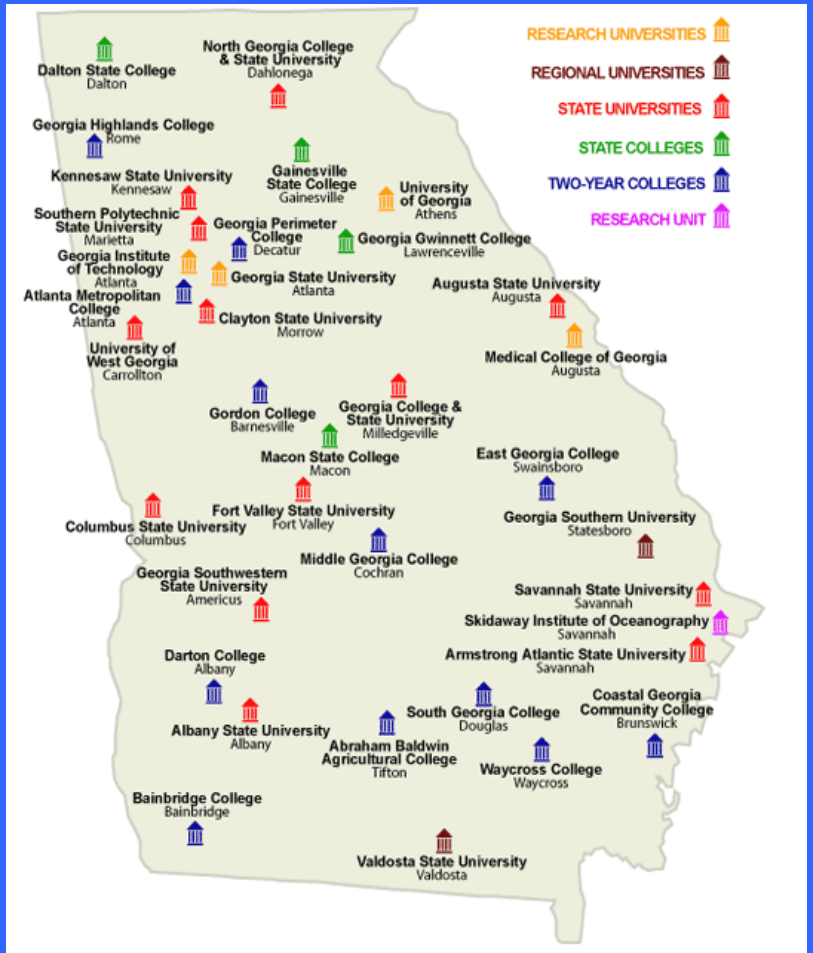
4 Research Universities

2 Regional Universities

13 Four-Year Colleges

7 State Colleges

9 Two-Year Colleges



Why the XML Transcript?

- Transcripts are currently exchanged via paper documents sent through mail
- University System elected not to use SCT Banner's EDI.Smart product
- USG desired a secure, non PC-based solution for transcript exchange

Why the XML Transcript?

- Partnership with Sungard Higher Education
- Based on PESC standards
- More Flexible than EDI
  - User Defined Elements
    - Non-Course requirements
    - Regents GPA

Postsecondary Electronic Standards Committee (PESC)

Established in 1997 and located in Washington, D.C.,

PESC is a non-profit, community-based, umbrella association of colleges and universities; professional and commercial organizations; data, software and service providers; and state and federal government agencies.

Postsecondary Electronic Standards Committee (PESC)

- Key factors in higher education:
  - Access
  - Affordability
- Life cycle of a student
  - Secondary to Postsecondary
  - Postsecondary to Postsecondary
- Elimination of redundancy
  - Reusability
  - Recycling

Postsecondary Electronic Standards Committee (PESC)

- Supports EDI
- Authentication
- New Paradigms

Postsecondary Electronic Standards Committee (PESC)

- Focus is on grouping of simple and complex elements into business message or transactions:
  - Postsecondary Transcript – PESC approved national standard
  - Common Record: CommonLine (CRC) – PESC approved national standard
  - National standards in development:
    - Admission Application
    - Online Loan Counseling
    - High School Transcript
    - Request and Response (Degree Audit and Transcript)
    - Test Score Reporting
    - Student Aid Inquiry

www.pesc.org

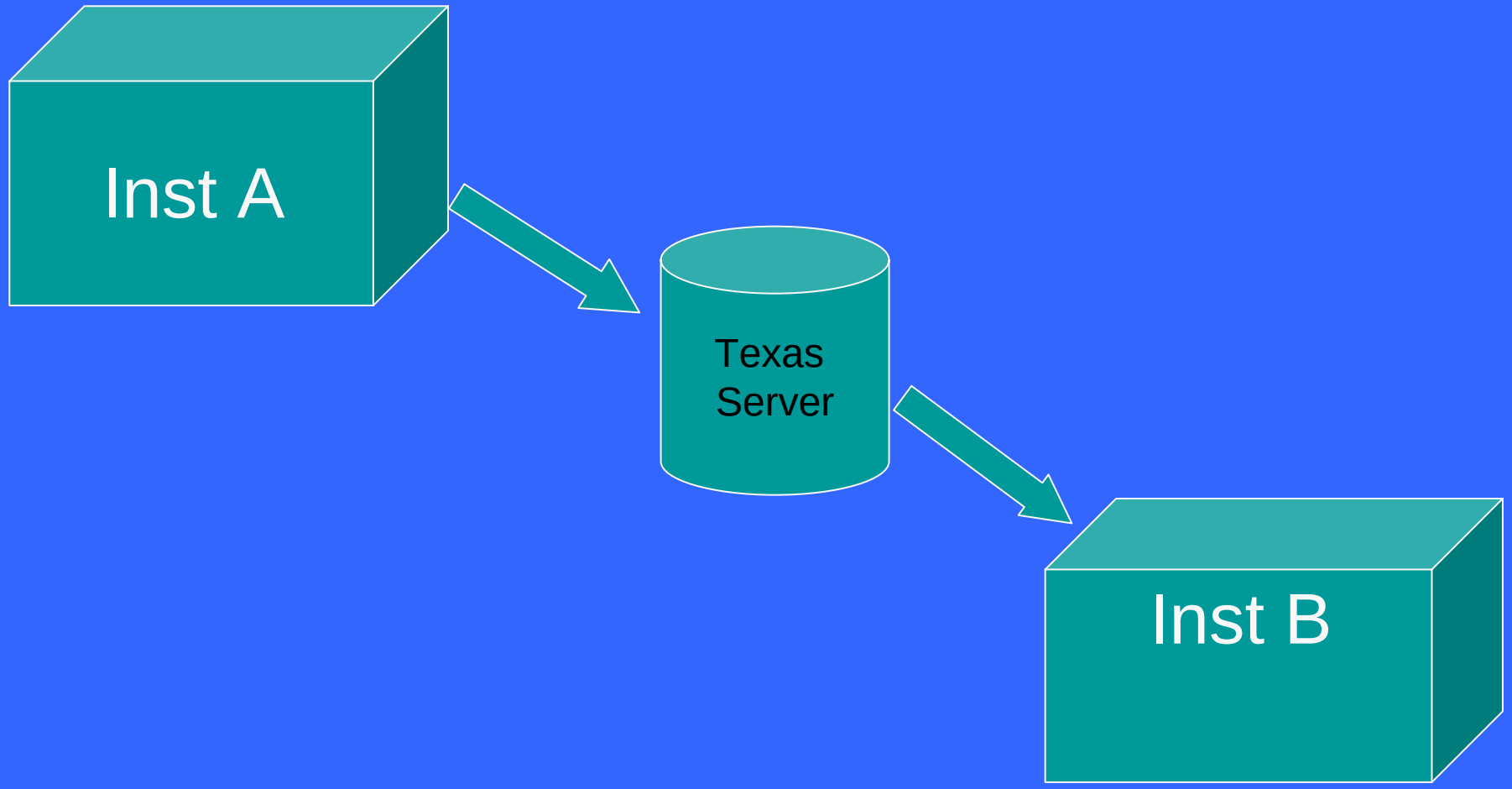
Topics of Discussion

- XML - Extensible Markup Language
- Architecture of the XML Transcript
- XML Transcript Setup and Processing
- Security – using PGP – Pretty Good Privacy

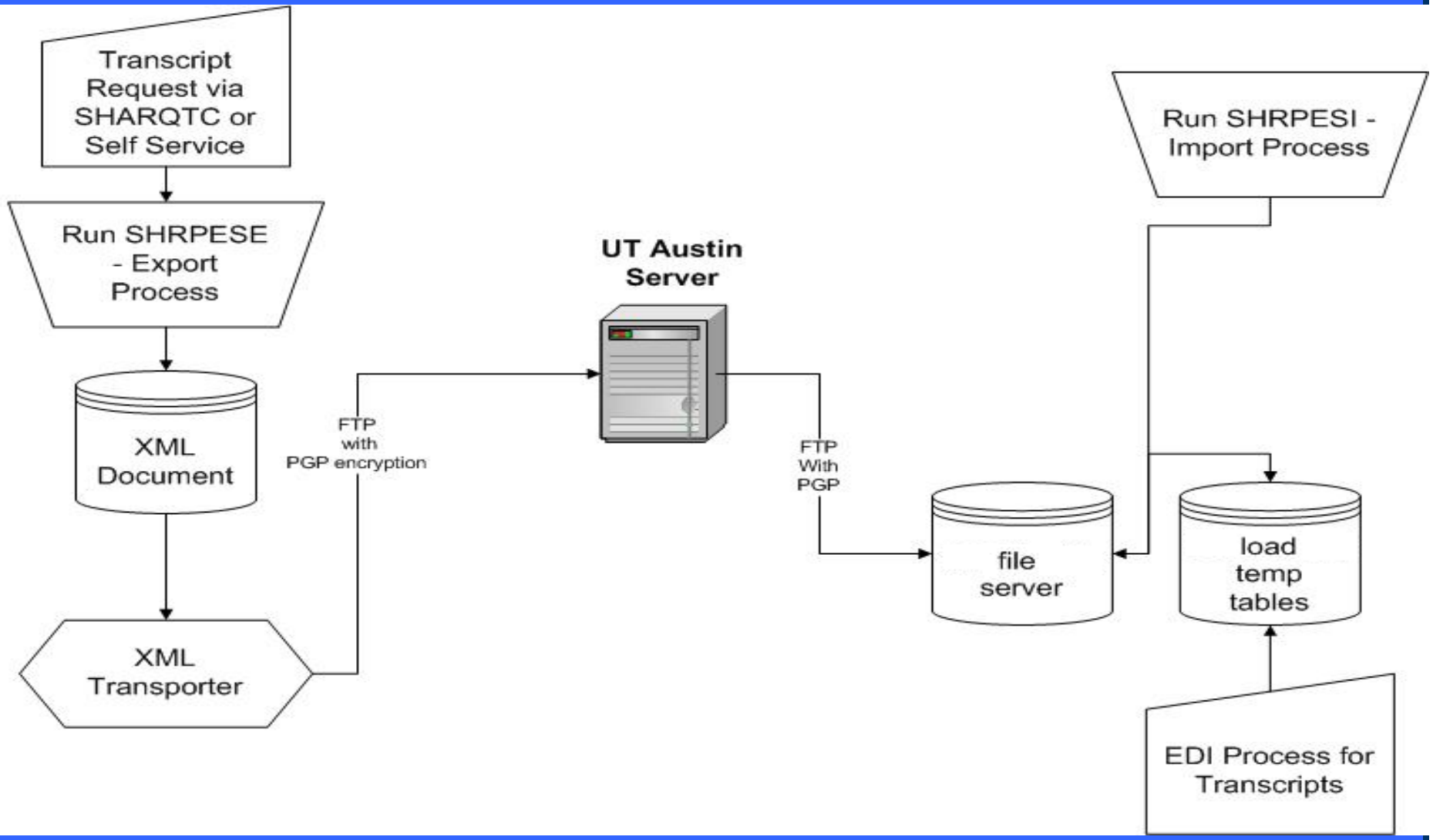
eXtensible Mark-up Language - XML

```
<?xml version="1.0" encoding="UTF-8" ?>
- <urn:AcademicRecordBatch xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:core="urn:org:pesc:core:CoreMain:v1.0.1a" xmlns:ColTrn="urn:org:pesc:message:CollegeTranscript:v1.0.0"
    xmlns:AcRec="urn:org:pesc:sector:AcademicRecord:v1.0.0" xmlns:urn="urn:org:pesc:message:AcademicRecordBatch:v1.0.0">
  - <ColTrn:CollegeTranscript>
    - <TransmissionData>
        <DocumentID>SCTXML2005-12-21T23:46:22.58</DocumentID>
        <CreatedDateTime>2005-12-21T23:46:22.58</CreatedDateTime>
        <DocumentTypeCode>RequestedRecord</DocumentTypeCode>
        <TransmissionType>Original</TransmissionType>
      - <Source>
        - <Organization>
            <FICE>SCTXML</FICE>
            <OrganizationName>East Georgia College</OrganizationName>
          - <Contacts>
            - <Address>
                <AddressLine>Systems & Computer Technology</AddressLine>
                <AddressLine>Four Country View Road</AddressLine>
                <AddressLine>Great Valley Corporate Center</AddressLine>
                <City>Malvern</City>
                <StateProvinceCode>PA</StateProvinceCode>
                <PostalCode>19355-5678</PostalCode>
              </Address>
            - <Phone>
                <AreaCityCode>215</AreaCityCode>
                <PhoneNumber>6475930</PhoneNumber>
              </Phone>
            </Contacts>
          </Organization>
        </Source>
      - <Destination>
        - <Organization>
            <FICE>SCTXML</FICE>
```

XML Transcript Architecture



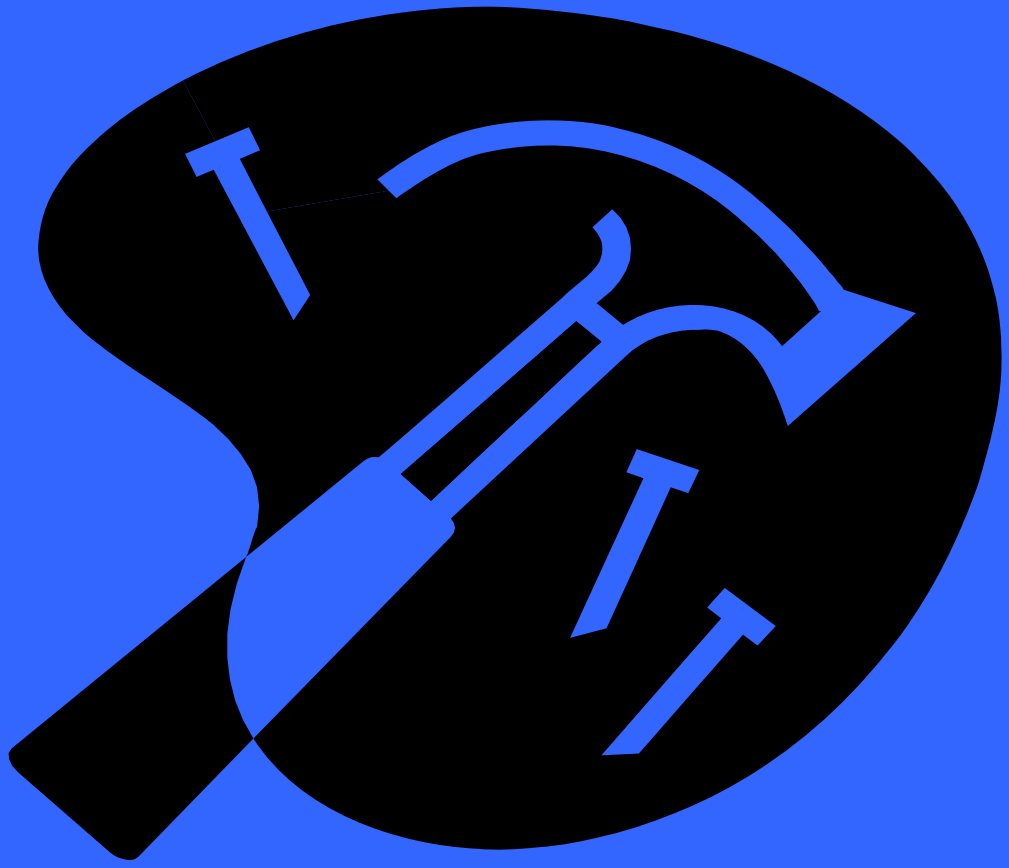
XML Transcript Architecture



PESC/XML Overall Process

- Mimics EDI.Smart functional process flow
- Set up supporting validation and rules
  - Address information on new form. SOASBGA (Source Background Information form)
- Set up translations on SOAXREF form
- To send a transcript
  - Create transcript request
- To receive a transcript
  - Set up sleep/wake process or run batch import process – mimics current EDI import process in baseline Banner

XML Transcript Setup

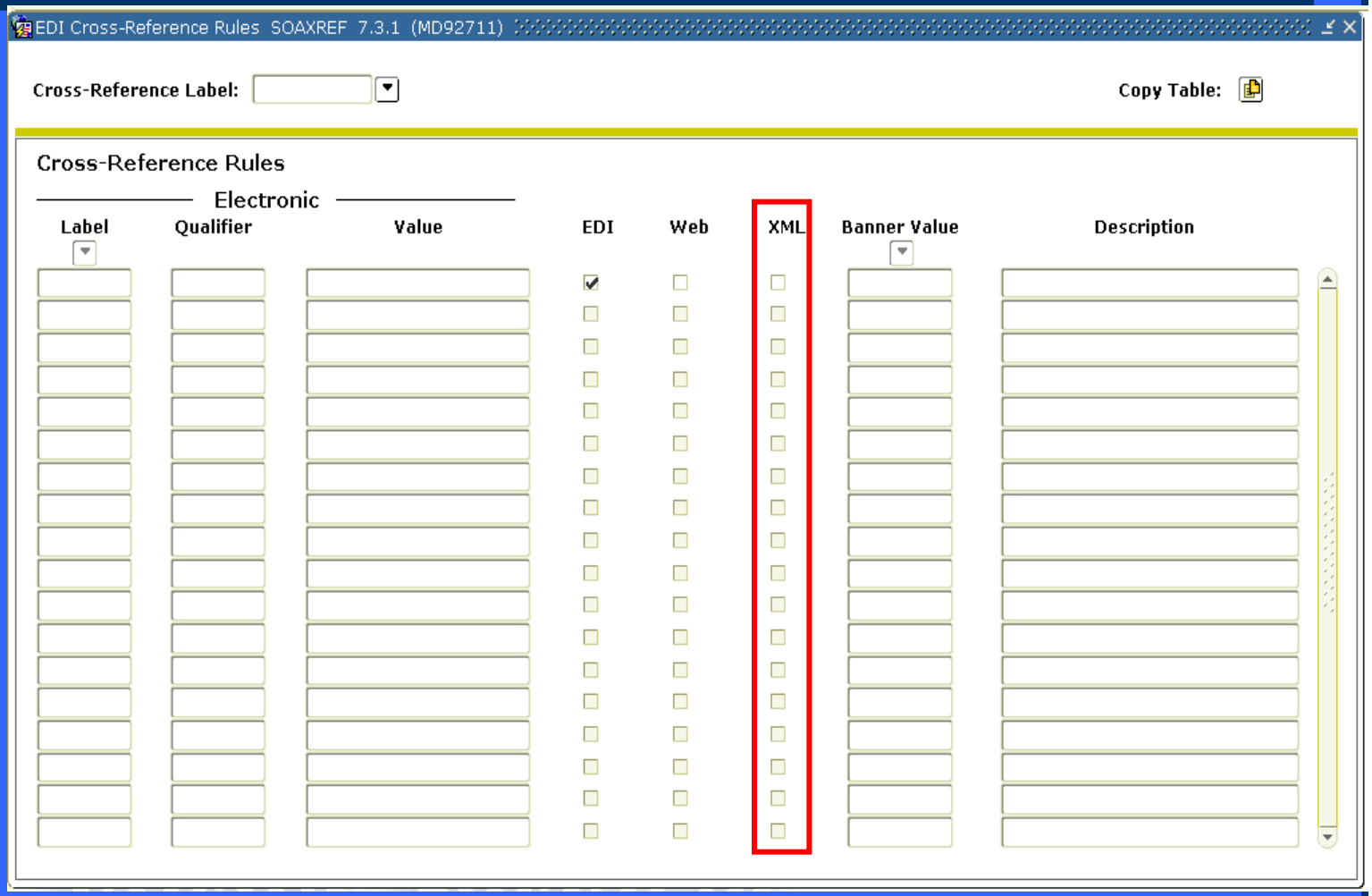


Cross-Reference Rules Form - SOAXREF

Removed references to "EDI," making labels generic

Add "XML" column to indicate PESC/XML standard code

Allowed Electronic Value column to be mixed case



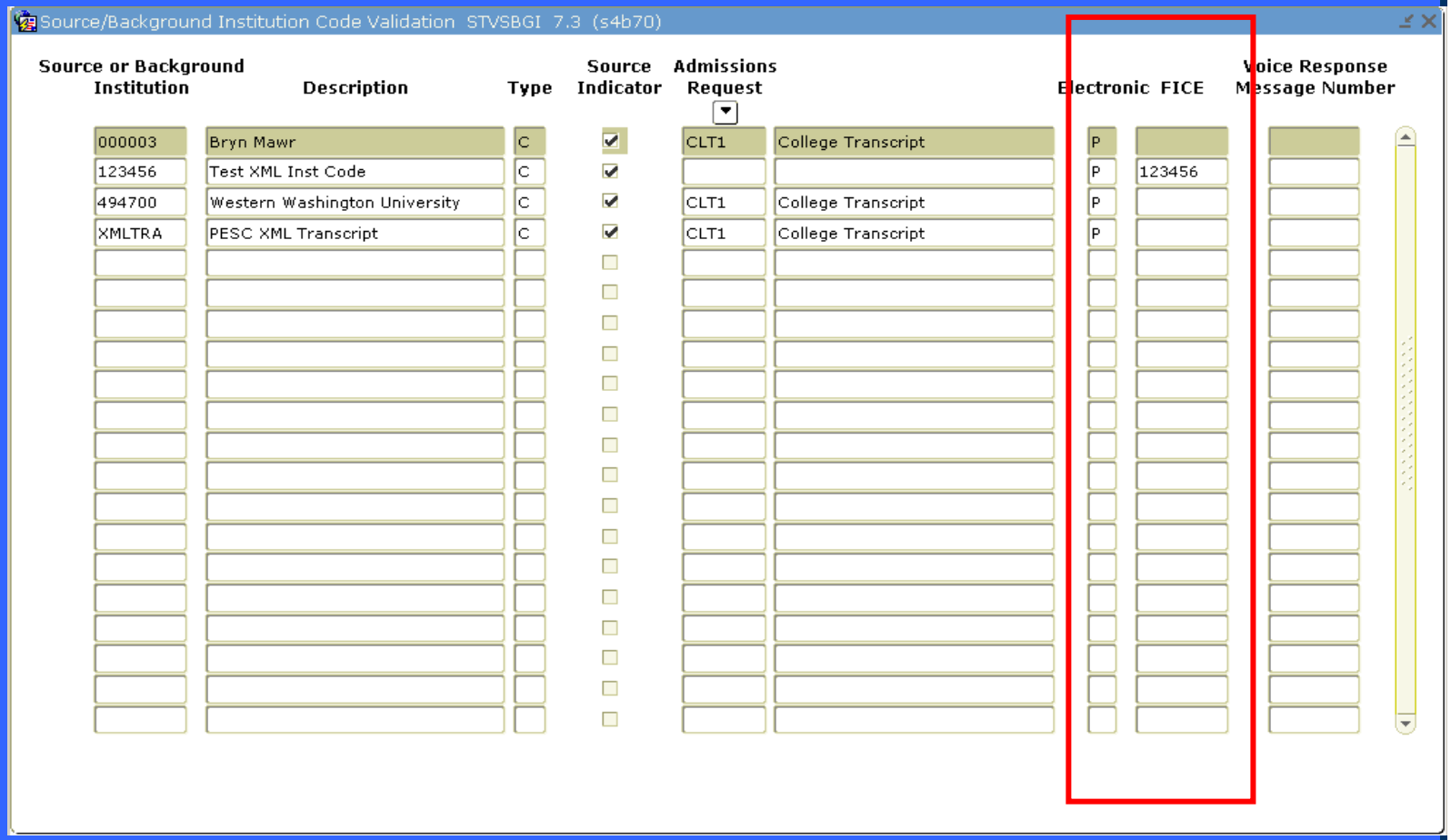
SOAXREF Setup (sampling)

- Academic Standing
- Class Standing
- Grade Mode
- Honors
- Levels
- Nations
- Colleges
- High Schools
- States
- Test Codes

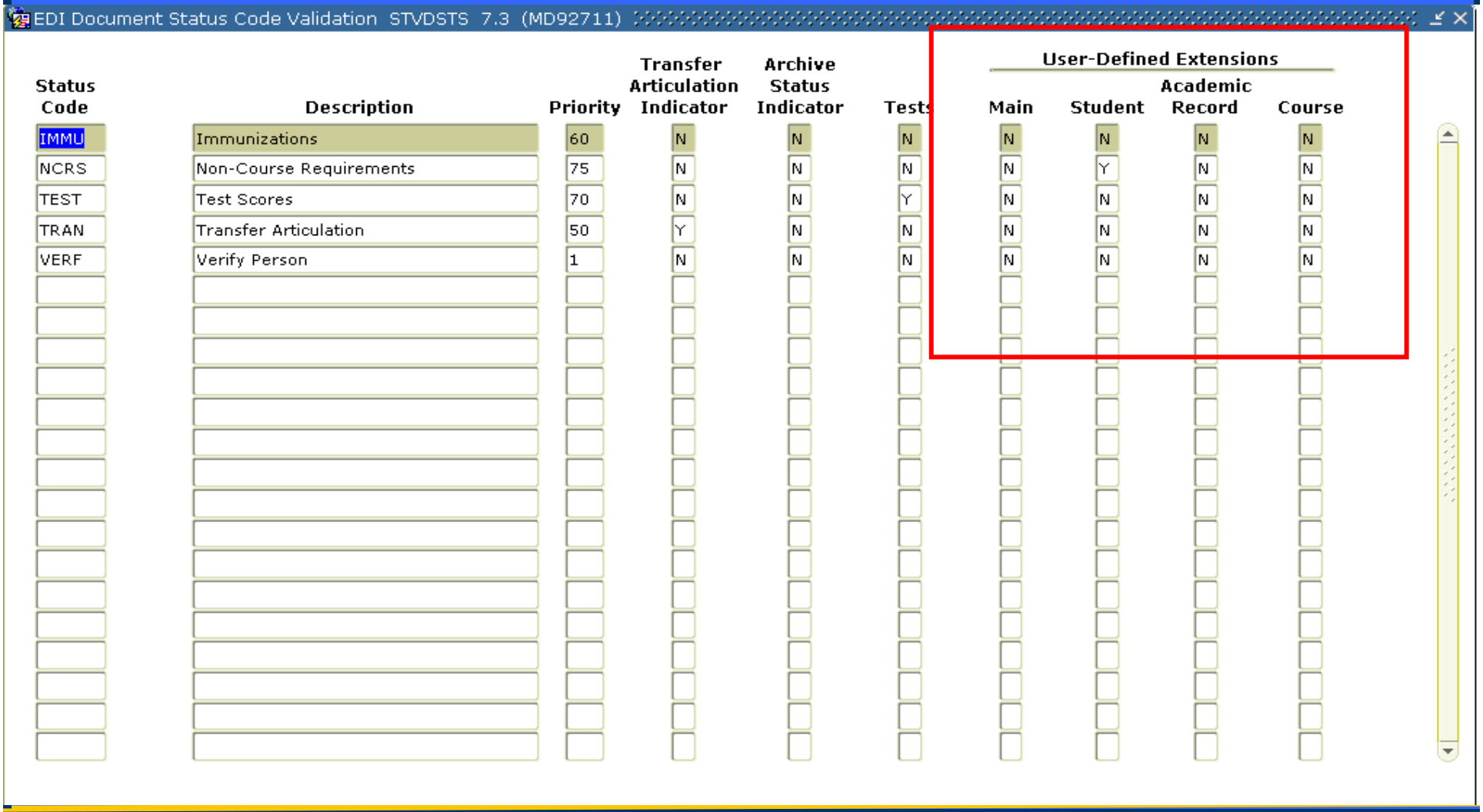
Source/Background Institution Code - STVSBGI

Removed references to "EDI," making labels generic

New field accepts "E" (EDI), "P" (PESC/XML), or Null

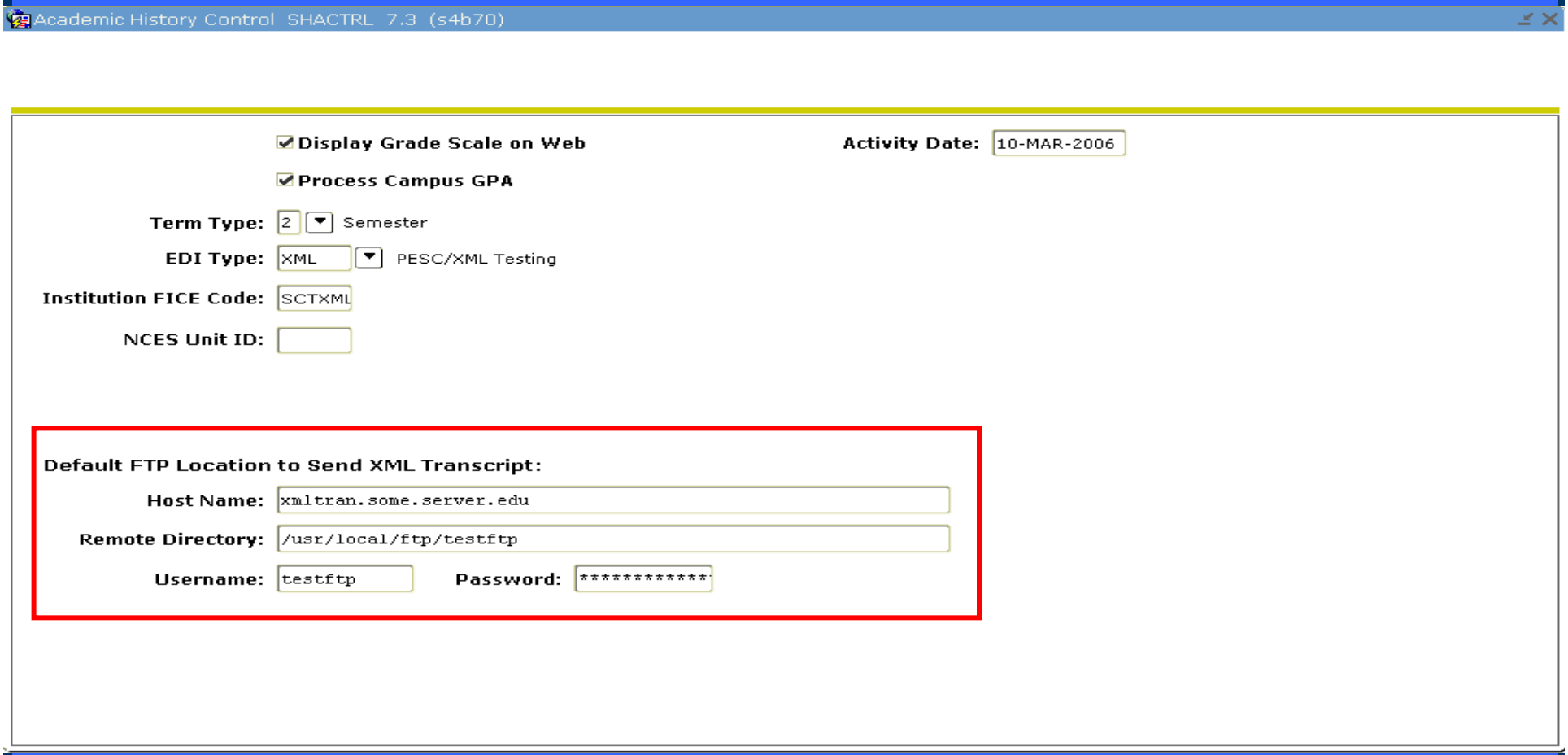


EDI Document Status Code Validation - STVDSTS



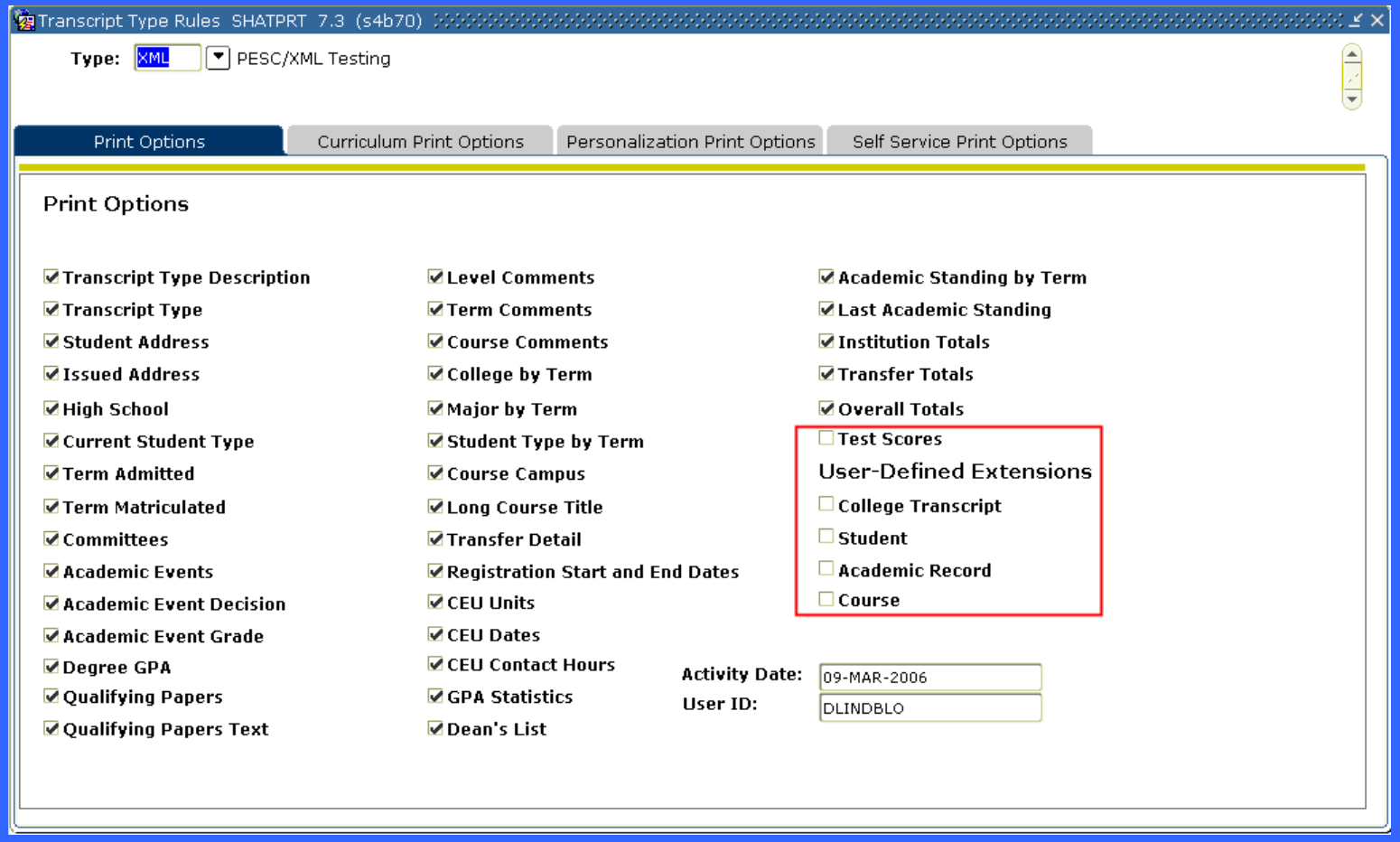
Status Code	Description	Priority	Transfer Articulation Indicator	Archive Status Indicator	Tests	Main	Student	Academic Record	Course
IMMU	Immunizations	60	N	N	N	N	N	N	N
NCRS	Non-Course Requirements	75	N	N	N	N	Y	N	N
TEST	Test Scores	70	N	N	Y	N	N	N	N
TRAN	Transfer Articulation	50	Y	N	N	N	N	N	N
VERF	Verify Person	1	N	N	N	N	N	N	N

Academic History Control - SHACTRL

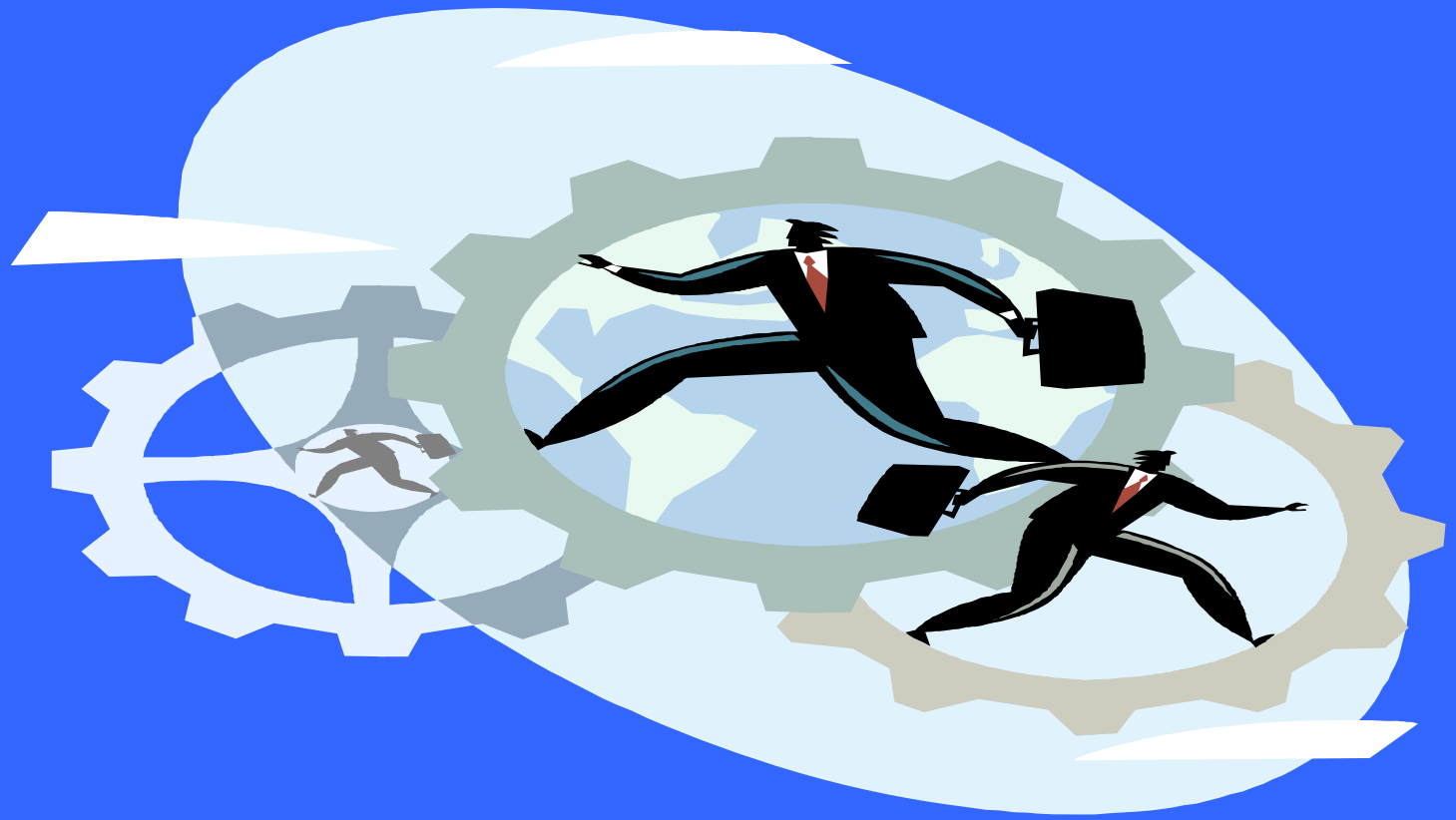


Transcript Type Rules - SHATPRT

Added new fields to control XML elements



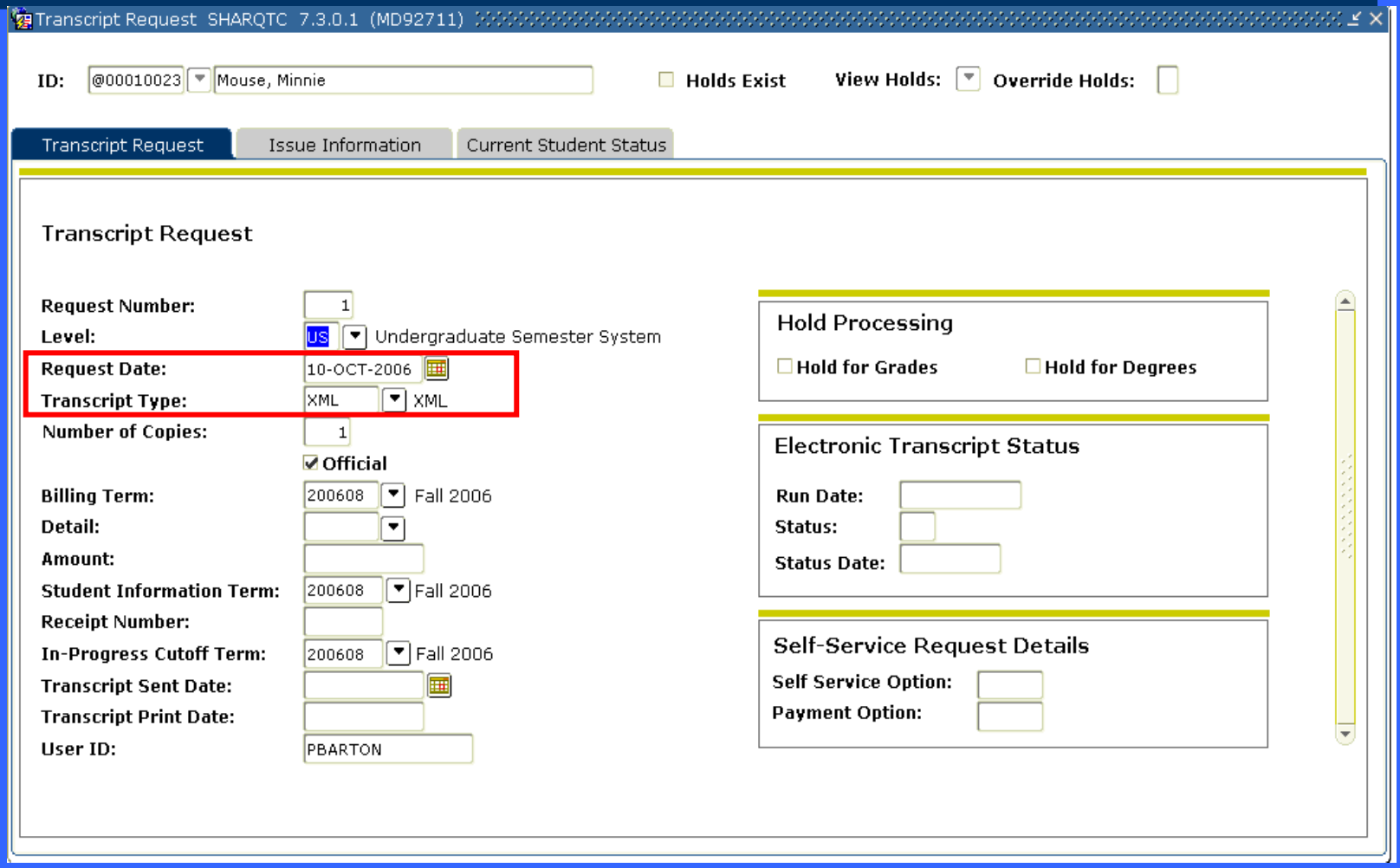
XML Processing



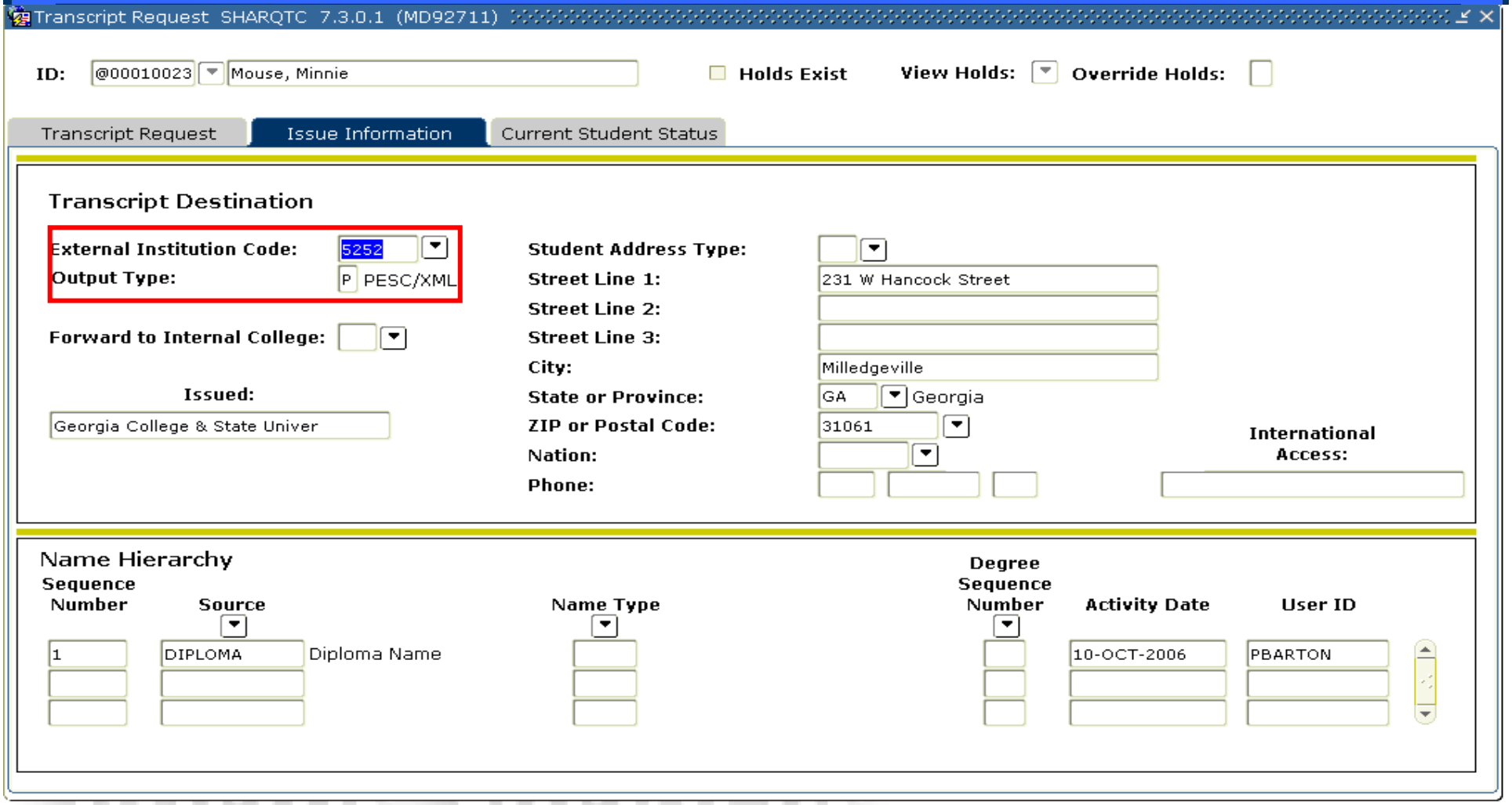
AACRAO 2006

Transcript Request Form - SHARQTC

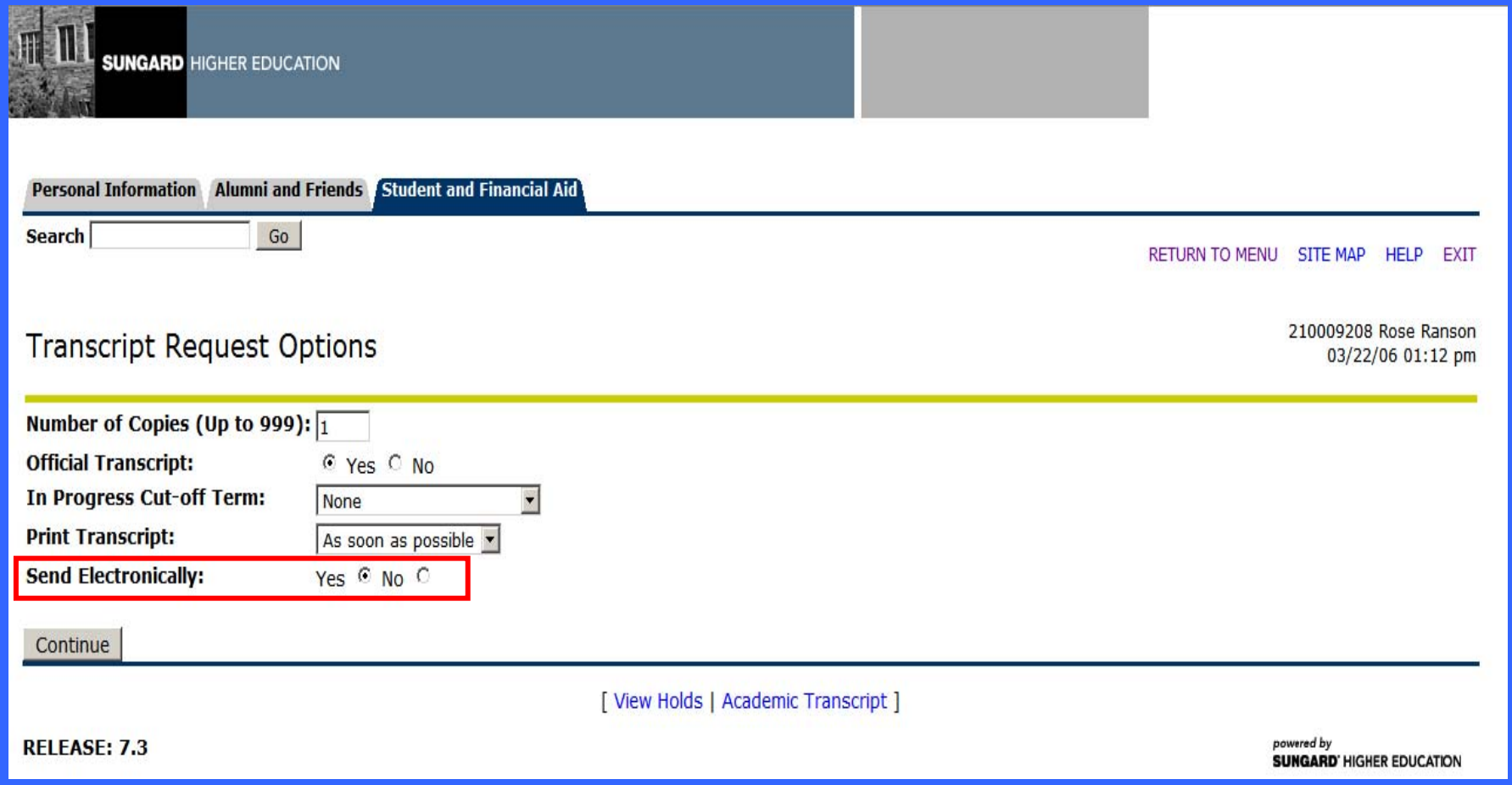
Removed references to "EDI," making labels generic



Transcript Request Form - SHARQTC (continued)



Student Self-Service – Transcript Request



SHRPESE – PESC/XML Export Process

- Create transcript request on SHARQTC, via SHRTPOP or Student Self-Service
- SHRPESE extract/export process:
  - Can be run in batch or in sleep/wake mode
  - Polls the transcript request table and reads collector file
  - Selects records with the output type of “P”
  - Extracts data mapped to PESC/XML standard
  - Prepares XML formatted file – if multiple requests, file will contain multiple transcripts

SHRPESE – PESC/XML Export Process (con't)

- Reads STVSBGI table, gets address from SOASBGA
- Attempts to send file
- Logs success or failure message
- XML file is stored in a Central Schema
- Updates Sent Date field for successful receipts
- Returns unsuccessful attempts to queue for re-sending
- Produces report of results

SHRPESI – PESC/XML Import Process

- XML transcript data will load in from a file sent by the UT Austin Server (or other)
- Can be run in batch or in sleep/wake mode
- Import process reads each file in the designated location
- Loads data into temp tables
- Renames file to preserve it
- Loads data into Banner according to user-defined rules

What about security? Pretty Good Privacy - PGP

- Download Freeware for PGP http://www.pgp.com/products/pgp/versions/freeware/

  Version 6.5. [illegible] RSA keys.

- Update pgp.[illegible] both the export (SHRPESE) [illegible] (SHRPESI) process to use pgp encryption.

- To register your institution's key http://www.utexas.edu/student/registrar/pgp/

Keep?

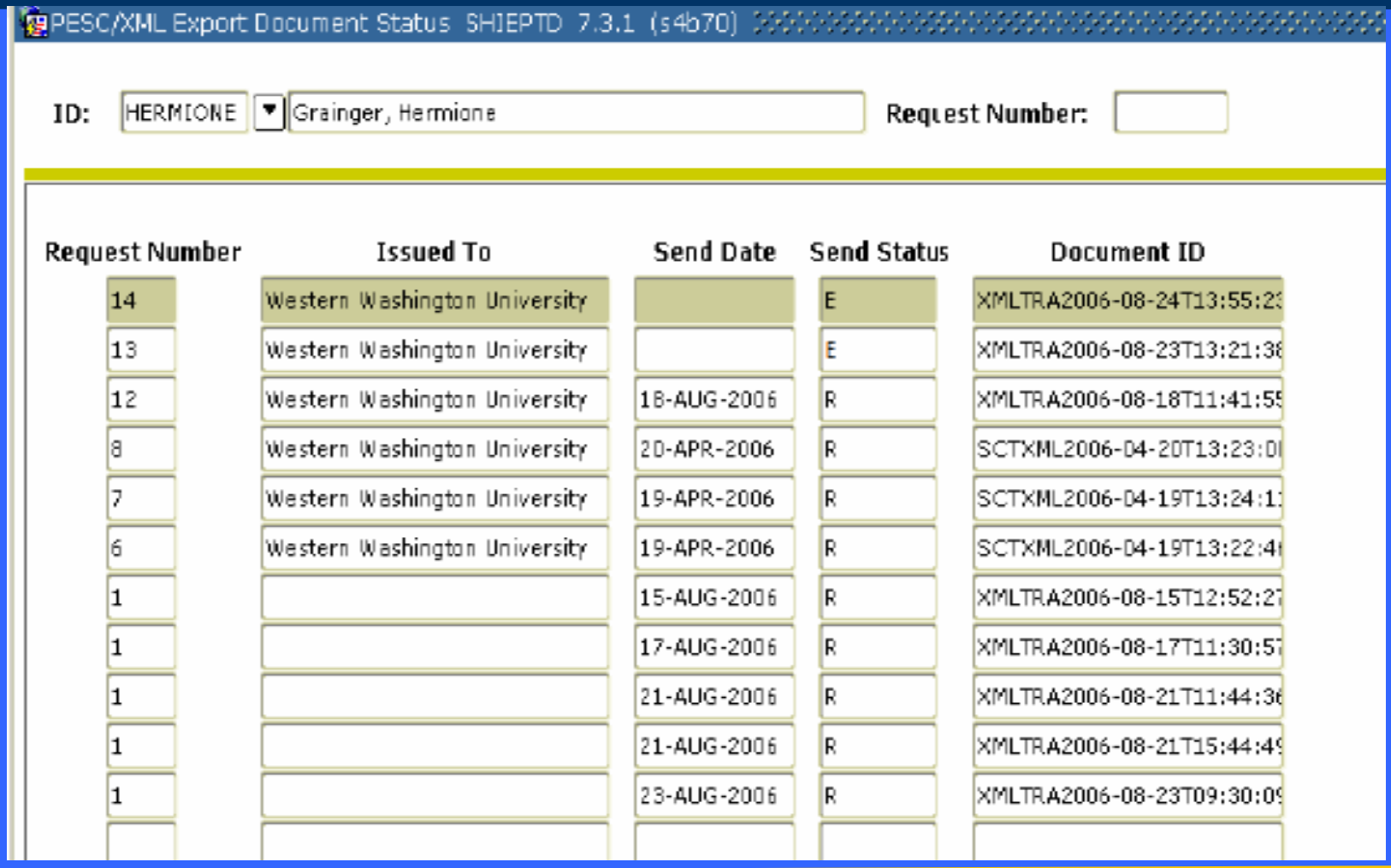
Secured FTP Now Available!

- PGP not totally secure.
- Secured FTP (SFTP) now available with version 7.3.1 released October 2006.
- Individual shell scripts used to perform SFTP or FTPS.

Other Enhancements in 7.3.1

- Export and import processes modified to produce an HTML readable version.
- Stylesheet template delivered.
- New status identifying errors when exporting (see next slide).
- New functionality added to support concurrent curriculum functionality.

SHIEPTD Updated



Sample Formatted Output

This sample shows the formatted output.

```
Transmission Data
TRANSMISSION DATA
Document ID :  XMLTRA2006-08-23T13:21:40.42
Document Creation :  2006-08-23T13:21:40.42
Document Type :  RequestedRecord
Transmission Type :  Original

Source :  BANNER University
Contact Information :
 Systems & Computer Technology
 Four Country View Road
 Great Valley Corporate Center
 Malvern
Phone :  215 6475930

Destination :  Villanova University
Contact Information :
 800 Lancaster Avenue
 Villanova  19085
Phone :

Document Process Code :  PRODUCTION
Document Offical Code :  Official
Document Complete Code :  Complete

Transcript Data
Student Information
Composite Name :  Potter,Henry Z
Full Name :  Henry Potter I
ID :  HPOTTER
Birth Date :
SSN :  111222333

Address :  123 Mailing Street
 Bannerland PA 19345

High School :
Email :

Academic Record Data
Academic Record
Academic Summary Type :  All
Major :  Anthropology
Academic Summary Level :  Graduate

Attempted Hours Earned Hours GPA Total Points GPA Hours
       2.00          2.00     1.00   2.00         2.00
```

Sample Formatted Output Cont.

```
Attempted Hours Earned Hours GPA Total Points GPA Hours
       2.00         2.00     1.00   2.00         2.00

Academic Session
Academic Session
Session :  DO NOT USE IN CATALOG


Attempted Hours Earned Hours GPA Total Points GPA Hours
       2.00         2.00     1.00                2.00


Academic Record Data
Academic Record
Academic Award Type :  Bachelor of Arts
Major :  Anthropology

Attempted Hours Earned Hours GPA Total Points GPA Hours
       5.00         5.00     3.00   15.00        5.00


Academic Award Type :  Bachelor of Arts
Major :  Anthropology

Attempted Hours Earned Hours GPA Total Points GPA Hours
       6.00         3.00     2.00   6.00         3.00


Academic Summary Type :  All
Major :  Anthropology
Academic Summary Level :  LowerDivision

Attempted Hours Earned Hours GPA Total Points GPA Hours
      44.00        41.00     3.05   125.00       41.00


Academic Record Data
Academic Record
Academic Summary Type :  TransferOnly
Academic Summary Level :  LowerDivision

Attempted Hours Earned Hours GPA Total Points GPA Hours
       4.00         4.00     3.25   13.00        4.00


Academic Session
Academic Session
Session :


Attempted Hours Earned Hours GPA Total Points GPA Hours
       1.00         1.00     1.00                1.00
```

Status of the Georgia Project

- The waves of change
  - Set-up issues with Texas Server
  - Found some defects to correct
  - Found some functionality that needed enhancement
  - Went back to work, ironing out these issues.
- Required to do it all over again and a little more

Status of the Georgia Project

- Beta Tested – 6.2 Software Version
  - February 2006
- 4 Institutions involved
- Successfully exchanged transcripts using the UT-Austin server

Status of the Georgia Project

- February - September 2006 – Successful beta testing with two versions and 16 institutions.
- February/March 2007 – Move from test to production environment on version 7.3.1.
  - Five training opportunities
  - Required attendance for functional/technical
  - Functional setup and configuration moved to Production during training
  - Texas Server notified to switch account

Outstanding Issues

Status of the Georgia Project

- Beta Testing begins again
  - April 17th week (this week)
  - 5 institutions are participating
- New waves to ride
  - Testing will include exchange between two software versions
    - 6.4 version and a 7.2 version

Status of the Georgia Project

- Rollout
  - Planned June 2006 delivery to 35 colleges and universities
  - 2 software versions will be delivery
    - 6.4 version and a 7.2 version

DELETE?

- Sungard Higher Education will have a baseline version of this software in their 7.3 release

What's Next?

The High School Transcript

- Why?
  - State Legislative mandate for determining eligibility for the Georgia HOPE Scholarship
  - Effects HS Students graduating in 2007
- So…
  - There is now a need to have the entire HS transcript at the state level

Questions & Answers

Thank You!

Tonya R. Lam

Associate Vice Chancellor for Student Affairs

University System of Georgia

(404) 656.2272

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