



FOR IMMEDIATE RELEASE

March 31, 2010

Contact:

Michael Sessa

President and CEO

202-261-6516

College Foundation of North Carolina's "Electronic High School Transcript System" Wins Top Award in PESC's 11th Annual Best Practices Competition

Kristi Blabaum of NASLA and Michael Morris of ACT

Honored with Distinguished Service Awards

Washington DC – The Board of Directors of PESC - the Postsecondary Electronic Standards Council is very pleased to announce "*Electronic High School Transcript System*" submitted by the College Foundation of North Carolina (CFNC) as Winner of PESC's 11th Annual Best Practices Competition for 2009. This submission received high praise from the Board Review Committee for Best Practices as it focused strategically on the use and support of data and standards and the infrastructure necessary to carry out its long-term goals and vision. The Best Practices Competition is held each year by PESC to promote innovation and ingenuity in the application of standards for business needs. An Awards Ceremony will be held immediately prior to the keynote address of PESC's Spring 2010 Data Summit being held April 1 – 2, 2010 in Washington, D.C.

In making this submission, Robin Greene, Senior Associate Director, Technology and Internet Services, CFNC, UNC General Administration highlighted its innovative approach stating, "[this system] is the first and only implementation of electronic high school transcripts in the state." To support its long-term vision, Ms. Greene added, "[this system] is built on a sustainable system infrastructure among a unique collaborative partnership of secondary and postsecondary education entities... it is expandable to include future growth state- and nationwide with additional secondary school districts as well as postsecondary entities using national data standards such as those created and adopted under PESC."

CFNC is a joint effort of the North Carolina State Education Assistance Authority, College Foundation Inc., and Pathways of North Carolina. The Pathways partnership was requested by the UNC Board of Governors, is funded by the General Assembly, and includes the NC Department of Public Instruction (K-12), NC Community College System (58), NC Independent College and Universities (36), and the UNC System (16). At its main data center, the system processes approximately 5,200 transcripts per month for 440 high schools.

1250 Connecticut Avenue NW – Suite 200 – Washington, D.C. 20036

202-261-6516

www.PESC.org



At its Awards Ceremony, PESC will also honor Kristi Blabaum of Great Lakes Higher Education Corporation (represented under PESC member NASLA - National Association of Student Loan Administrators) and Michael Morris of ACT with “Distinguished Service Awards.” Ms. Blabaum currently serves as Chair of the Change Control Board (CCB) under PESC's Standards Forum for Education, a volunteer position she's held for the past several years. In this role, she leads the data analysis efforts of the CCB ultimately determining what passes as a PESC standard. She has been a standards advocate for over a decade gaining expertise through her extensive background in student aid technology and business processes. Michael Morris served as Co-Chair of the Education Test Score Reporting Workgroup and drove the development group over a three year period to ultimately produce a robust, high quality standard with correspondingly thorough documentation. With the Education Test Score Reporting standard now completed and available for implementation, Mr. Morris continues to volunteer and contribute to other development workgroups within PESC including its Recruitment and Enrollment Workgroup.

For more information about PESC, please visit www.PESC.org. To see a complete listing of all past winners of the Best Practices Competition and Distinguished Services Awards, please click on the *Events* tab.

About PESC

Established in 1997 at the National Center for Higher Education 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; college and university systems; 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 participation, PESC enables cost-effective connectivity between data systems to accelerate performance and service, to simplify data access and research, and to improve data quality along the higher education lifecycle. PESC envisions national and international interoperability, that is a trustworthy, inter-connected environment built by and between communities of interest in which data flows seamlessly from one system to another and throughout the entire eco-system when and where needed without compatibility barriers but in a safe, secure, reliable, and efficient manner. For more information, please visit www.PESC.org.

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June 16, 2010

Robin S. Greene
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The College Foundation of North Carolina
UNC General Administration
500 Forest Street
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Robin

On behalf of the Board of Directors of the Postsecondary Electronic Standards Council (PESC), I am very pleased to provide College Foundation of North Carolina with PESC's 2009 Annual Best Practices Award! As we previously discussed, our Board Review Committee was very pleased with your "Electronic High School Transcript System" submission and found it worthy of this distinction and award.

The 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 in North Carolina for providing valuable information and services to the education community, and once again, congratulations!

My best regards

Michael D. Sessa
President & CEO
PESC

Unlocking the Power of Data!

CFNC.org

Electronic High School Transcript System Best Practices

January 2010

Helping you plan, apply, and pay for college



Data Standards - Best Practices

Overview of Presentation

- Brief description of statewide collaborative partnership
- North Carolina's statewide approach to implementing electronic high school transcripts (eHSTs) using national standards
- System infrastructure overview focusing on current data standards and usage
- Sustainability
- Future Developments

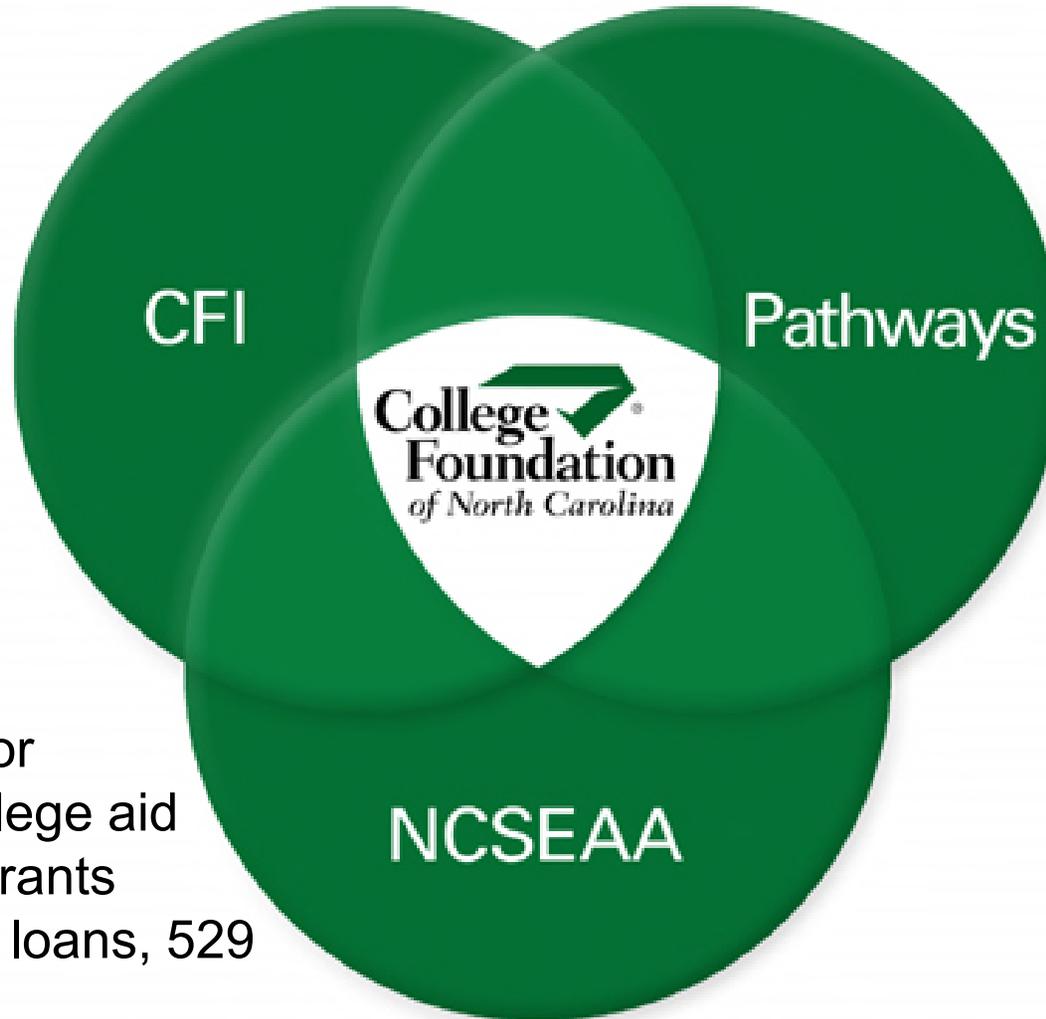
Statewide Collaborate Partnership

- CFNC is a joint effort of the North Carolina State Education Assistance Authority, College Foundation, Inc., and Pathways of North Carolina.
- The Pathways partnership was requested by the UNC Board of Governors, funded by the 1999 General Assembly, and includes the:
 - NC Department of Public Instruction (K-12)
 - NC Community College System (58)
 - NC Independent Colleges and Universities (36)
 - UNC System (16)

Statewide Collaborate Partnership

501(c)(3)
nonprofit -
administers
grants, loans
and savings
program on
behalf of the
state

State agency
responsible for
statewide college aid
programs – grants
scholarships, loans, 529
savings



State-funded
K-16
partnership
(NCDPI,
NCCCS,
NCICU, UNC)
administered
by UNC
General
Administration

North Carolina – Statewide Approach

- North Carolina's eHST *initiative* began on/before 1999 - funding provided for the public schools to convert to a common SIS System, "NCWISE"
- Requirement of funding -> electronic high school transcripts (eHSTs)
- Capitalize on resources & technology
 - ❖ Common SIS System (NCWISE)
 - ❖ NC Standardized HS Transcript
 - ❖ Central Repository

Statewide College Access Portal – CFNC.org Electronic High School Transcript Ordering

CFNC - Welcome - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites

Address <http://www.cfnc.org/> Go Links

College Foundation of North Carolina

Helping You Plan, Apply, and Pay for College

My CFNC Career Center Student Planner College Fair Online Applications Paying for College College Savings Program

Log Into My CFNC Create My CFNC

Search CFNC & Campus Sites

Contact CFNC About CFNC

CFNC en español

» Adult Learner
» Financial Aid Administrator
» GEAR UP NC
» School Counselor

» College Redirection
» Downloadable Resources
» SAT, ACT Test Prep

It's Time to File Your FAFSA

Register for CFNC Events

We believe every student should have the opportunity to go to college. Use the tabs above, the links to the left or the links below to access all CFNC has to offer.

High School Planner Track grades, honors, test scores and more. » Learn more	Test Preparation Use FREE test preparation for the SAT, ACT and more. » Learn more	Calculators Plan your loan needs and repayment. » Learn more	Apply for Loans Complete a MPN for a student or parent loan. » Learn more
Career Key Find careers that fit your interests and personality. » Learn more	Apply for Admission Apply to NC colleges and universities. » Learn more	Scholarships Search for scholarships available for NC students. » Learn more	Repayment Wizard Find help repaying your education loan. » Learn more
Campus Tours Explore more than 100 NC colleges and universities. » Learn more	Transcript Manager Submit your high school transcript electronically. » Learn more	National College Savings Plan Start saving now! » Learn more	Forms for Current Borrowers Access automatic withdrawal, deferment, forbearance and other forms. » Learn more

A Service of the State of North Carolina

Students can submit online admissions applications to any of the 110 participating campuses on CFNC.org

Electronic transcripts can be requested with online app submittal or within Transcript Manager

My Transcripts - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://www1.cfnc.org/externalscripts/my_cfnc/my_transcripts/transcript_mana

College Foundation of North Carolina

My CFNC Career Center Student Planner College Fair Online Applications Paying for College College Savings Program

You are logged in as greeners

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My College Applications

My Recruiter

My Transcripts

My Loan Status

My College Savings Program

My Installment Payment Plan

My Scholarships

My CFNC Mail

Ask an Expert

Tuesday, June 19, 2007

Transcript Manager for Robin Greene

THESE ARE THE COLLEGES/UNIVERSITIES TO WHICH YOU MAY SEND YOUR TRANSCRIPT:

Select one from the list and click **[Send My Transcript]**

Alamance Community College
 Appalachian State University
 Asheville-Buncombe Technical Community College
 Barton College
 Beaufort County Community College

Send My Transcript

TRANSCRIPT REQUEST STATUS:

ID	Transcript Type	Campus Name	Status	Date Requested	Progress
15569	Current (In Progress) Transcript	Appalachian State University	Cancelled	11/1/2004 11:48:00 AM ET	Requested Record Will Not Be Sent; Cannot Identify the Record
15570	Final (Graduation) Transcript	Appalachian State University	Cancelled	11/1/2004 11:48:00 AM ET	Requested Record Will Not Be Sent; Cannot Identify the Record
16326	Current (In Progress) Transcript	Alamance Community College	Cancelled	1/10/2005 3:09:00 PM ET	Requested Record Will Not Be Sent; Cannot Identify the Record
16327	Final (Graduation) Transcript	Alamance Community College	Cancelled	1/10/2005 3:09:00 PM ET	Requested Record Will Not Be Sent; Cannot Identify the Record
16766	Current (In Progress) Transcript	Belmont Abbey	Cancelled	1/31/2005	Requested Record Will Not

www1.cfnc.org

Transcript Manager - student provides login credentials and data criteria before request can be made

Data provided for the request:

- First and Last Name
- Date of Birth
- NCWISE Student ID
- Gender
- High School
- E-mail Address

My Transcripts - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://www1.cfnc.org/externalscripts/my_cfnc/my_transcripts/transcript_mana

College Foundation of North Carolina

My CFNC Career Center Student Planner College Fair Online Applications Paying for College College Savings Program

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Done

www1.cfnc.org

Transcript Manager - provides tracking

- All transcript activity (current and final)

System Infrastructure Overview

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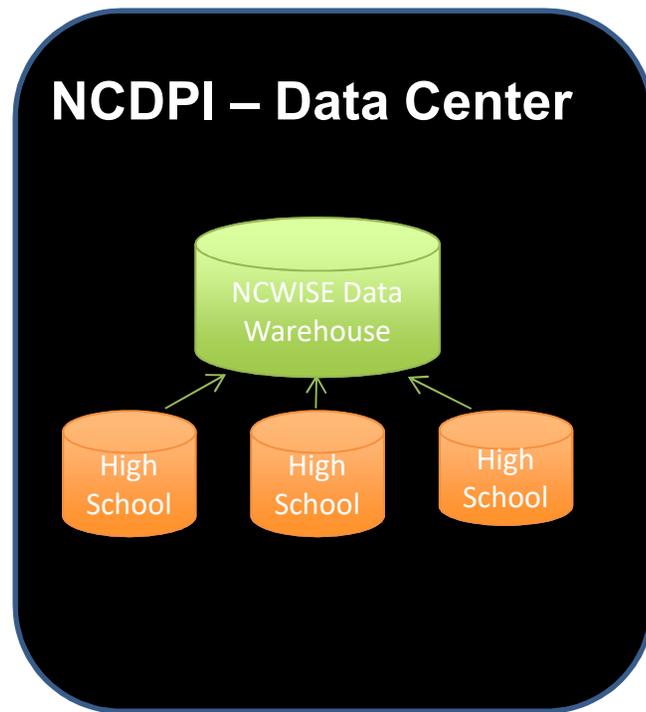
3 NCWISE data repositories

2 Electronic High School Transcript Processes

1. **NCDPI Main – host for 480 public/charter HSs (eHST process uses ANSI X12 EDI transaction sets with the UT Austin SPEEDE Server)**
2. **Wake County – host for 26 public HSs (eHST process uses PESC XML high school transcript schema and web services)**
3. **Charlotte-Mecklenburg County – host for 32 public HSs (eHST process not yet implemented)**

System Infrastructure Overview

NCDPI - Standards

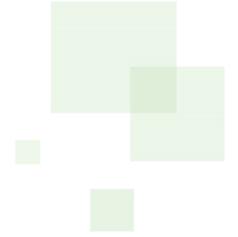


- ANSI X12 data standards:
 - TS146
 - TS147
 - TS130
 - TS131
 - TS997
- UT SPEEDE Server
- 2 Trading Partners – DPI & CFNC
- High School transcript requests from 440 high schools; delivered to 110 NC Colleges and Universities via CFNC.org

Electronic Document Exchange - Usage High School Transcripts – NCDPI Main Data Center

System went live in 2003 with 33 high schools – added schools to CFNC Transcript system as they were converted to NCWISE

- Fall 2003 – 33 high schools
- Fall 2009 – 440 high schools
- Process approximately 5,200 transcripts / month
- Heavier traffic in fall and early summer



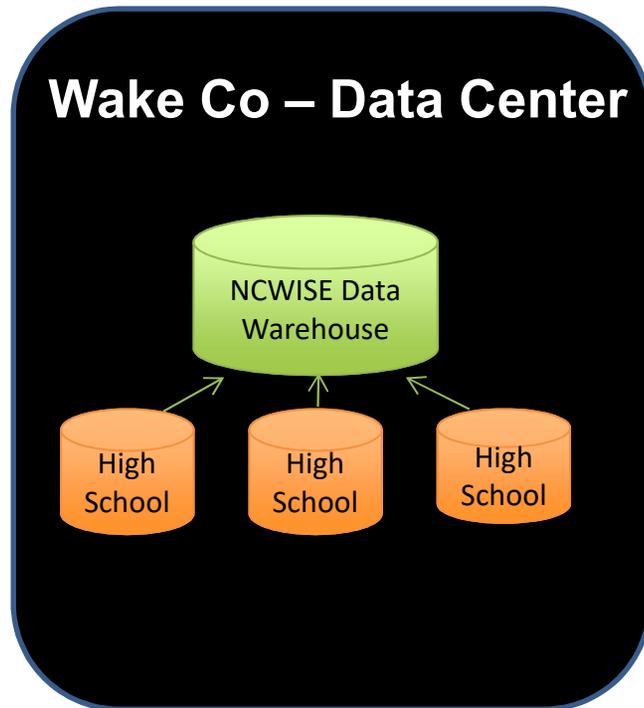
Electronic Document Exchange

High School Transcripts – NCDPI Main Data Center

Advantages	Disadvantages
Current transcript request created & processed with about a 24-72 hour turnaround time from request to delivery	System is complex and sometimes difficult to track errors
Final transcript request automatically created – released when final grades and diploma received dates are posted at the high school level	Increase in turnaround time when errors occur
Student Tracking	Final transcript requests get created BEFORE system knows the current transcript processed successfully – creates additional unnecessary work and bandwidth on the system
Counselor Tracking	Increased usage over the years – system not equipped to handle large files

System Infrastructure Overview

Wake County Public School System (WCPSS) - Standards



- PESC XML high school transcript schema version 1.0
- Web Services for point-to-point delivery
- 2 Trading Partners – WCPSS & CFNC
- High School transcript requests from 27 high schools; delivered to 110 NC Colleges and Universities via CFNC.org



Electronic Document Exchange - Usage High School Transcripts - Wake Co. Data Center

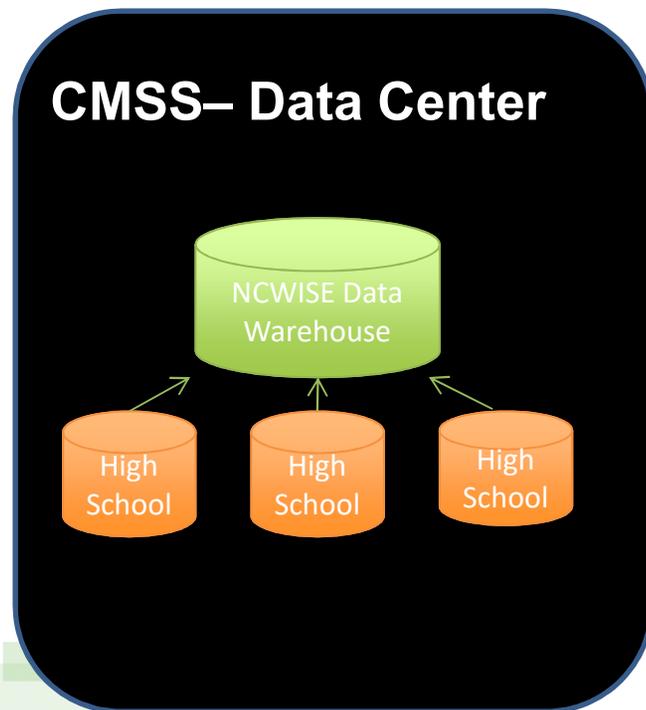
System went live in May 2009 with 8 high schools

- Fall 2009 – 26 high schools
- Process approximately 2,200 transcripts / month
- Heavier traffic in fall and early summer

Electronic Document Exchange High School Transcripts – WCPSS

Advantages	Disadvantages
Real-time delivery of current transcript	Had to write mapping for XML to EDI to conform to current system
Final transcript request automatically created AFTER successful response from current transcript request	
Student Tracking	
Counselor Tracking	

Electronic Document Exchange High School Transcripts Charlotte-Mecklenburg Data Center



- Future development for electronic transcripts
- PESC XML high school transcript schemas and web services infrastructure

System Infrastructure Overview

CFNC.org 110 Participating Colleges & Universities

- 110 Colleges & Universities on CFNC.org
- Authenticated Administrative Center to download CFNC data
 - Prospects
 - Applications
 - Transcripts
- Transcript download formats for colleges

PDF	•Manual load •Import to imaging system
TS130	Import to SIS
PESC XML	Import to SIS

Sustainability

- ★ Student interface for high school transcript ordering built on statewide college access web portal that is mostly funded by NC General Assembly
- ★ Exclusive Agreement between CFNC and NCDPI for electronic high school transcript processing
- ★ PESC and ANSI Standards utilized in all electronic transcript document exchanges

ANSI X12 EDI

File Transfer Protocol

PESC XML Schemas

Web Services

Sustainability (continued)



Increased usage/volume as high schools are added to the CFNC Transcript System



Consistent encouragement for use of data standards when enhancements, upgrades and new development occurs

Future Development

- ★ Upgrade NCDPI's EDX system from ANSI X12 and File Transfer Protocol to PESC XML and Web Service technologies
- ★ Implement electronic transcripts among the 110 CFNC participating colleges using PESC XML and Web Service technologies
- ★ Enhance existing high school electronic transcripts to provide capability to send eHSTs out-of-state

Summary

- Statewide electronic high school transcript system built on college access web portal, CFNC.org, serving over 500 public high schools and 110 colleges and universities
- 3 Trading Partners (CFNC, NCDPI, WCPSS) which are all entities of a unique collaborative partnership that make up CFNC
- Electronic high school transcripts delivered in various formats/standards

PDF	•Manual load •Import to imaging system
TS130	Import to SIS
PESC XML	Import to SIS

- Future enhancements to develop statewide electronic college transcript system

Acknowledgements

Name	Title	Organization
Adam Andruchowitz	Information Technology Director	Wake County Public School System
Betsy Baugess	Software & Data Manager	NC Department of Public Instruction
Dawn Castonguay	Senior Director, Information Systems	Wake County Public School System
Kent Cooper	Database Administrator	College Foundation, Incorporated
Robin Greene	Senior Associate Director, Technology and Internet Services for CFNC.org	UNC General Administration
Stephanie Whitten	Programmer/Analyst, NCWISE Data Management	NC Department of Public Instruction

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