Conversation Topics

- NSC’s history of working with standards in a non-conforming environment

- The Clearinghouse of today: A self-sustaining, trusted national unit level data aggregator and service provider

- The Clearinghouse of tomorrow: Building on today’s model, an SLDS enabler providing data aggregation and reporting services P-20
When NSC was formed many insisted that we adopt the EDI data format standard and “require” that all schools send their data through EDI.

We developed proprietary translation software that would allow us to accept submissions in any format.

Today we receive data via:
- Fixed width and delimited flat files
- EDI
- XML
- And yes, Excel Spreadsheets

The translation effort in this instance resides with the aggregator enabling maximum utilization of their platform.
We leverage standards throughout our data collection process and administration of services...

**Enrollment Data:**
- EDI TS190

**Transcript Request/Resp:**
- EDI TS146/147
- PESC XML

**Standard Transcript Delivery:**
- PESC DTS

**Degree Verification:**
- HR-XML

**Department of Education:**
- NSLDS Enrollment Reporting

**Single Sign-on:**
- Shibboleth/InCommon

**Enrollment & Degree Verification:**
- Commercial Users
- High Schools

**Students & Alumni:**
- Academic Verifications
- Student Borrower Data

**Colleges & Universities:**
- Research Data

**Educational Organizations:**
- Loan

**Student Lending Industry:**
- Diploma Data

**High Schools:**
- Research Data
Data Standards Challenges: PSED

- Implementing Standards and Making Changes
  - Vendor Support
  - Coordination of Effort

- Mandating Use of Standards?
  - What is the Role of a “Clearinghouse”
    - Promote and Encourage Use of Standards
    - Sensitive to Customer Capabilities
    - Balance Ease of Use vs. Enforcement
    - Individuality vs. Conformity
The Clearinghouse of today...

NSC has evolved to become the trusted, national unit level data aggregator and services provider for PSED.
• **Compliance and back office services** development creates a unique trusted, neutral, reliable source for educational verifications.

• StudentTracker service and the growth of research created the groundbreaking work related to accurate data in support of *academic support* and student achievement.
NSC’s evolution in data was building the foundation that has enabled us to take the next step.

Robust and growing PSED Coverage 92% of National Enrollment

95% Coverage
90%+ Coverage
85%+ Coverage
< 85% Coverage
In SED: 32 States currently firming up plans to have NSC work with them to enable statewide longitudinal data analysis

* We are also working with many individual school districts. I.e.: Chicago Public Schools, Los Angeles, Oakland, Dallas, etc.
NSC is poised to be a key contributor/enabler going forward:

The ideal sustainable public/private SLDS data aggregation and reporting partner
Executive Summary of NSC research based initiatives incorporating SED

- **NSC State Pilot**: Creating turnkey data collection AND reporting solutions for nationwide usage
  - Best Practices for data collection (SED and PSED) in support of creating...
  - Best practices for creating actionable analytical reports at the *state, district and school level*. (Outcome, diagnostic and prescriptive reporting)
  - 1st gen reports due on 6/10 include race/ethnicity and quartile cuts

- **STHS 2.0**: high level nationwide outcome reporting; greatly enhanced outcome information
  - Enhanced reporting suite which can enable SED to PSED links for the purposes of outcome reporting
  - Enabling NSC benchmarking capabilities

- **State / multi-state SLDS initiatives**: leveraging our trusted brand in facilitating data warehousing needs
  - Multiple offers to have NSC hold state district data
  - Several multi-state proposals to aggregate multistate data (P-workforce) and provide longitudinal analytics

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The investment will also enable SLDS data warehousing and reporting services

Infrastructure building initiatives are under way enabling national scalability
Available today: StudentTracker 1.5 - a 1st step toward meeting new demands

1 report: a data dump

35 analytical reports
The opportunity to leverage the infrastructure build is to help position NSC as a integral lynchpin in the data continuum

The Data “Owners” and Aggregators

Owners

- Council of Chief State School Officers
- AASA
- SHEEO
- Private & Independent Institutions
- ACE (GED’s)
- Institutions
- SHEEO
- State Agencies
- Census Bureau
- Department of Labor

Aggregator

- Unit level: States
- Unit level: Districts
- Aggregate: Student Data Direct
- NSC

- States (limited longitudinal capacity)*
- NSC
- MARSYS (GED)

Census Bureau (Job)
- States

NSC: 3rd party education data aggregator
Existing Platform
15 years in development
3,300 postsecondary schools
36+ data elements collected
Over 96MM student records

New Research Platform
2011 completion
25,000 secondary schools
90+ data elements collected
Certificates, GED, CEU’s (in development)
Suite of actionable, analytical reports
Key Areas of focus: SED

SED: NSC becomes the reliable, trusted source for SED data and is the integral link to PSED outcomes research nationwide

- NSC completes the State pilot process creating a turnkey data collection and actionable analytical reporting solution that can scale nationally
- NSC looks to drive the rollout STHS 2.0 to all 50 States plus territories over the next year
- NSC will offer educational data warehousing to states requesting these services
- NSC becomes the source for reliable benchmarking for outcome statistics
Key Areas of Focus: PSED

PSED: NSC solidifies its position as the reliable, trusted source for all types of reliably measurable PSED data leveraging our current position:

- NSC drives to drive all active coverage levels for compliance and back office support services (ER, EV and DV) to above 95%
- NSC focuses on driving its ability to help deliver academic support related services through its ST research service.

- NSC is expanding its coverage to include new types of PSED data including GED’s, adult CEU’s, certificates and licensures.
Standards Opportunity

There is a large opportunity for establishing data standards in the non-credit/degree space which can be added to the data NSC collects for research purposes:

- Industry certificates awarded by community colleges and technical schools
- CEU’s
- Licensures awarded by States or industry associations

What is the standard gap today?
What is the path to developing a national consensus?
Executive Summary

- NSC has been working with varying data and infrastructure standards at both the PSED and SED, not by design but by necessity over the past 16 years.

- Today, we have become a trusted, national unit level data aggregator. We serve a broad set of constituents that have an equally diverse set of capabilities YET a common set of needs through the following:
  - COMPLIANCE SUPPORT – Transaction services
  - BACK OFFICE SUPPORT – Transaction services
  - ACADEMIC SUPPORT – Longitudinal reporting services

- NSC is poised to be a key contributor/enabler going forward: The ideal public/private SLDS data aggregation and reporting partner. Our business practices are designed to offer data and reporting flexibility in a standards driven environment, enabling high utilization.
Thank you for the opportunity

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