COLLABORATION FOR THE GREATER COMMON GOOD OF STUDENT ACHIEVEMENT
### Factors Influencing the Founding of PESC

<table>
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<th>Y2K</th>
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<tr>
<td>The advent of the new millennium created a fear that systems may be compromised when the year 1999 rolled over into 2000. In preparing for Y2K, a global awareness emerged of “COBOL” and the importance of data and standards.</td>
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<tr>
<th>Electronic Transcripts</th>
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<td>Electronic data exchange in the admissions and registrar functions (transcripts, test score, admissions application, etc.) were in the process of being developed and deployed through a partnership between AACRAO, CCSSO and NCES. Benefits of standardization were being realized and other sectors of higher education were interested in realizing benefits as well.</td>
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<th>FDSLP</th>
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<td>The launch of the Federal Direct Student Loan Program (FDSLP) in 1993 by the U.S. Department of Education as mandated by the U.S. Congress through Reauthorization of the Higher Education Act of 1965, which circumvented all bank and other private involvement in the loan process, introduced a single standard and banks found themselves needing to respond with standards as well to remain competitive.</td>
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<th>Project EASI</th>
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<td>The U.S. Department of Education launched Project EASI (Easy Access for Students and Institutions) “modernization” effort to reengineer their convoluted &amp; disparate thirteen stovepipe systems. Maintenance and development costs for those systems were increasing exponentially; yet accessing those systems was difficult and obtaining accurate and reliable data took weeks and sometimes months.</td>
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</table>
PESC MISSION & VISION

Through open and transparent community participation,

**PESC enables cost-effective connectivity between data systems**

to accelerate performance & service, to simplify data access & research and to improve data quality along the Education lifecycle.

**PESC envisions national and international interoperability within the Education domain,**
supported by a trustworthy, inter-connected network called EdUnify 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.

While PESC promotes the implementation and usage of data exchange standards, **PESC does not set (create or establish) policies related to privacy and security. Organizations and entities using PESC standards and services should ensure they comply with FERPA and all local, state, federal and international rules on privacy and security as applicable.**
Membership in PESC Satisfies Statutory Requirements for Federal Agencies

**The National Technology Transfer and Advancement Act (NTTAA)**
Section 12 of the NTTAA, passed in 1995, states that “all Federal agencies and departments shall use technical standards that are developed or adopted by voluntary consensus standards bodies.”

**OMB Circular NO. A-119**
The Office of Management and Budget (OMB) issued in 1998 Circular NO. A-119 which provides guidance for agencies participating in voluntary consensus standards bodies and procedures for satisfying the reporting requirements of NTTAA.

**Section 143 of the Higher Education Act of 1965**
Language was added in 1998 which directs the Secretary of Education and the COO [of Federal Student Aid within the U.S. Department of Education] to “encourage and participate in the establishment of voluntary consensus standards and requirements for the electronic transmission of information necessary for the administration of programs.”
PESC’s Community Outreach

PESC APPROVED STANDARDS
- Admission Application
- College Transcript
- Education Test Score Reporting
- High School Transcript
- IPEDS
- PDF Attachment
- Student Aid

WORKGROUPS
- Academic ePortfolio
- Course Inventory
- Recruitment & Enrollment
- Student Loan Data Reporting

TASK FORCES
- eAuthentication/eAuthorization (EA2) Task Force (CommIT)
- Common Data Services (CDS) Task Force (EdExchange)

USER GROUPS
- Canadian PESC User Group
- CEDS User Group
- Education Record User Group
- Student Aid User Group
PESC’s Strategic Partners

AACRAO  DQC  Internet2  SHEEO  SIFA

US Department of Education
FSA  NCES  OET  OUS
Building Relationships

- ACE – American Council on Education
- ADL – Advanced Distributed Learning (DoD)
- ARUCC – Association of Registrars of the Universities and Colleges of Canada
- CCSSO – Council of Chief State School Officers
- Educause
- HR-XML
- IMS Global Learning Consortium
- Kuali Foundation
- Medbiquitous
- NIEM – National Information Exchange Model
- NIST – National Institute of Standards & Technology
- OPEPD – Office of Planning, Evaluation, and Policy Development
- RS3G – Rome Student Systems and Standards Group
- SLI – Shared Learning Infrastructure
PESC 3.0 | Unifying the Education Domain Around Interoperability to Improve Student Achievement

Support Multiple Access Points (eg. portals) to the Education Network

PESC’s EA2 Task Force and Internet2’s InCommon CommIT (Federated Access or “Single Sign-On”)

Identify Standardized Data to Transport over the Education Network

PESC’s Standards Forum for Education
Common Data Standards Development & Maintenance

Establish Open, Neutral, Scalable Mechanism to Govern Data Exchange the Education Network

PESC’s Common Data Services (CDS) Task Force
EdExchange (Common Web Services Protocols and Directory)
Maintain Data Integrity/Quality as Data is Exchanged/Processed

• Disparate Technologies
  - EDI
  - PDF
  - XML
  - Web Services

• Disparate Systems
  - Early Childhood
  - Elementary
  - Secondary
  - Postsecondary
  - Labor & Workforce

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EdUnify: Vision of Interoperability

Supporting the Network through Public/Private Collaboration of Providers, Users & Stakeholders

→ User Groups
  ▪ Education Record User Group
  ▪ Canadian PESC User Group
  ▪ Common Education Data Standards User Group
  ▪ Student Aid User Group

→ Development Workgroups
  ▪ Academic ePortfolio
  ▪ Course Inventory
  ▪ Recruitment & Enrollment
  ▪ Student Loan Data Reporting
### PESC 3.0

<table>
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<tr>
<th>Category</th>
<th>Details</th>
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<tbody>
<tr>
<td>Premier Partner</td>
<td>• NASLA, National Student Clearinghouse, Parchment, SCRIP-SAFE, USA Funds</td>
</tr>
<tr>
<td>New Membership Category</td>
<td>• For schools or local education agencies (LEA’s)</td>
</tr>
<tr>
<td>Common IP</td>
<td>• Standardize IP across specifications and/or standards</td>
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<tr>
<td>Permanent User Groups</td>
<td>• Long-term sustainable governance</td>
</tr>
<tr>
<td>Limited PESC Memberships</td>
<td>• Member outreach to stakeholders</td>
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| Expand Implementations          | • Student Aid  
• Transcripts |
| Technical Standardization       | • NIEM |
SAVE THE DATE

SPRING 2013 DATA SUMMIT
MAY 1-3, 2013 | SAN DIEGO | OMNI HOTEL