Welcome!

MULTIPLE STAKEHOLDERS. ONE VISION.

POSTSECONDARY ELECTRONIC STANDARDS COUNCIL
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This is PESC.

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EASTABLISHED IN 1997 AT THE NATIONAL CENTER FOR HIGHER EDUCATION

PESC, as a neutral, 501(c)(3) non-profit, membership association, serves its Members and the general public under one common, shared student/learner-centric mission. Optimizing institutional performance, reducing cost and improving data quality and integrity – all benefits of standardization – maximized by PESC’s open, transparent and volunteer-based platform, create a broad, international movement.

Together, we look to advance this mission, expand the global voice, grow and maintain an active and thriving Membership and establish a clear, strategic path for the future.

Join the effort. Join the community. Join PESC.

LEADING THE ESTABLISHMENT & ADOPTION OF TRUSTED, FREE & OPEN DATA STANDARDS ACROSS THE EDUCATION DOMAIN SINCE 1997

www.PESC.org
All industries have standards bodies.

INTER-STATE TOLL BOOTHS
E-ZPass Interagency Group, a community-based association of states and agencies.

MORTGAGES

CREDIT CARDS
Networks like MasterCard and VISA work with the PCI Data Security Standards Council, a not-for-profit community-based membership association.

Standards Make the World Go ‘Round
“Embrace common standards and data systems so we can know where we stand and how to move forward.”
PESC leads the establishment and adoption of trusted, open data standards across the education domain by serving as an open standards-development and open standards-setting body producing PESC Approved Standards.

PESC envisions complete, global connectivity within and throughout the education domain.

PESC optimizes institutional performance and data quality.

PESC reduces cost and simplifies access.

PESC enables sustainable best practices & innovative solutions that streamline emerging technologies and disparate information systems.

PESC promotes standards-based, lifelong student/learner-centric design & data models, hub & spoke models, federated identity, directory-based services and affiliated open architectures.

PESC Members believe that fostering open, transparent collaboration across educational communities to solve common, industry-shared problems brings much needed clarity and coherence to the education and employment ecosystem.

Our Values

www.PESC.org

Established in 1997 at the National Center for Higher Education in Washington, D.C., PESC is Education’s Open Data Standards-Setting Body.
With tens of thousands of stakeholders supporting the education eco-system but all at differing levels of technological capacity, standardization is needed throughout as well to ensure interoperability for **access** into the eco-system, for the **data** and content exchanged and for the **transport** method in which content is shared, communicated and exchanged among stakeholders.
1) **DATA STANDARDS**
Adopt, align & implement community-sourced data standards

2) **DATA GOVERNANCE**
Support an open collaborative, transparent group of stakeholders

3) **DATA ADVOCACY**
Advocate in policy-maker & IT sectors for high prioritization of data standards

4) **DATA USAGE**
Commit to using high quality linked open data across all applications, systems and networks

5) **DATA PERSPECTIVE**
Ensure a ‘P20W’ (lifelong) & international perspective in all aspects of development

**GOLDEN PRINCIPLES OF DATA QUALITY & INTEGRITY**

Blueprint for the efficient, secure & successful transition from high school into the higher education & workforce environment.

**OUR VOICE**

**Advocacy**

*1) DATA STANDARDS*
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*2) DATA GOVERNANCE*
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*5) DATA PERSPECTIVE*
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HOW WE OPERATE

ORGANIZATIONAL MATURATION CYCLE

BOARD OF DIRECTORS
Overall governance

BOARDS
Member experts governing standards (CCB, TAB)

WORKGROUPS
Standards development by experts (Admissions)

USER GROUPS
Organization, development (EdExchange, GEO)

TASK FORCES
Discussion topics of interest and trends (Privacy)
Lead to User Groups and Workgroups
OUR FOOTPRINT

BRAND MATURATION CYCLE

SEAL OF APPROVAL
PESC’s Premiere Brand

USAGE & IMPLEMENTATION
PESC Approved Standards, Technology & Services

MEMBERS & SPONSORS
Organizations Funding PESC

PARTICIPATION IN PESC
Data Summits, Groups

AWARENESS OF STANDARDIZATION
Outreach, Events, Conferences, Partnerships
### The Evolution of PESC Approved Standards by Technology

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Standard or Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>1st EDI Standard: AACRAO, CCSSO, NCES</td>
<td>1st EDI Standard: AACRAO, CCSSO, NCES</td>
</tr>
<tr>
<td>2004</td>
<td>1st PESC XML Standard</td>
<td>1st PESC XML Standard</td>
</tr>
<tr>
<td>2011</td>
<td>1st PESC PDFxml Standard</td>
<td>1st PESC PDFxml Standard</td>
</tr>
<tr>
<td>2019</td>
<td>2nd PESC XML Standard</td>
<td>2nd PESC PDFxml Standard</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1997</td>
<td>PESC Founded</td>
</tr>
<tr>
<td>2003</td>
<td>EDI Development Stopped</td>
</tr>
<tr>
<td>2015</td>
<td>Seal of Approval Launched</td>
</tr>
</tbody>
</table>

**Glossary of Terms**

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AACRAO</td>
<td>American Association of Collegiate Registrars &amp; Admissions Officers</td>
</tr>
<tr>
<td>ANSI</td>
<td>American National Standards Institute, US Chamber of Commerce</td>
</tr>
<tr>
<td>CCSSO</td>
<td>Council of Chief State School Officers</td>
</tr>
<tr>
<td>EDI</td>
<td>Electronic Data Interchange</td>
</tr>
<tr>
<td>IPEDS</td>
<td>Integrated Postsecondary Education Data System</td>
</tr>
<tr>
<td>JSON</td>
<td>JavaScript Object Notation (JSON-LD)</td>
</tr>
<tr>
<td>LD</td>
<td>Linked Data</td>
</tr>
<tr>
<td>NELS</td>
<td>National Center for Education Statistics</td>
</tr>
<tr>
<td>NSDL</td>
<td>US Dept. of Education National Student Loan Data System</td>
</tr>
<tr>
<td>PESC</td>
<td>Portable Data Format</td>
</tr>
<tr>
<td>XML</td>
<td>Extensible Markup Language</td>
</tr>
</tbody>
</table>

As the community adopts a new technology, PESC develops and produces a corresponding PESC APPROVED STANDARD in that technology. Data contained in a PESC APPROVED STANDARD in one technology is equal to in value and integrity to the same PESC APPROVED STANDARD in a different technology. For example, one organization using the PESC APPROVED College Transcript in EDI can trust another organization using the PESC APPROVED College Transcript in XML as development and production (through mapping) use the same definitions, taxonomies and code sets.

**Table 1. The Evolution of PESC APPROVED STANDARDS by Technology**
OUR PUBLIC PURPOSE

DEVELOPMENT MATURATION CYCLE
From ideas, to projects, to standards

COMMIT (inactive)
Partnered with Internet2

EDUNIFY (inactive)
PESC

EDEXCHANGE (active)
PESC, Driven by California Community Colleges

GEO CODE (active)
PESC, Resurrect PESC Single Institution ID

COMPETENCIES & CREDENTIALS
NEW – Launch at Spring 2019 Data Summit
- **PESC Approved Student Financial Aid XML Standard**
  - implemented in every U.S. college and university, by US Department of Education and loan servicers*

- **High School and/or College Transcripts**
  - used/implemented across Canada & USA –
  - CA, GA, IN, NC, OH, VA and throughout Alberta, BC and Ontario

- **PESC EdExchange**
  - California Community Colleges, Parchment, ECE & Digitary – National Student Clearinghouse, Credentials Solutions, University of Phoenix

- **PESC GEO Code**
  - in production at University of Southern California – new directory in production test phase
Our Outreach

- **PARTNERS:**
  - AACRAO, ARUCC, A4L, US CEDS, Connecting Credentials, DXtera Institute, EMREX, EWP, GDN, HROS, SHEEO, T3 Innovation Network, US Chamber of Commerce Foundation

- **EXHIBITIONS:**
  - AACRAO, ARUCC, US NCES

- **SPONSORS:**
  - Credentials Solutions, Digitary, National Student Clearinghouse, Parchment, DegreeData, ECE

- **SPONSORSHIPS/AFFILIATIONS:**
  - AACRAO, AIR, California, GDN, US NCES
Our Groups

- Admissions Workgroup for Standardizing Recruitment Data
- Canadian PESC User Group (CanPESC)
- Data Privacy & Protection Task Force
- EdPlan Development Workgroup
- Global Education Organization (GEO) Code User Group & Steering
- JSON-LD Task Force
- Board of Directors
- Competencies & Credentials User Group & Steering
- EdExchange User Group & Steering
- Standards Development Forum for Education & Steering
  - Change Control Board (CCB) & Technical Advisory Board (TAB)
  - Education Record User Group (ERUG) & AACRAO SPEEDE

Free & Open Member-Based
This is our story.

PESC A

STANDARDS

- Academic College Transcript
- Academic Credential & Experiential Learning
- Academic High School Transcript
- Admissions Application
- Education Course Inventory
- Education Test Score Reporting
- ePortfolio
- Student Financial Aid

EDI | JSON | JSON-LD | PDF | XML
Our Events

- **Fall 2019 Data Summit**
  - **October 22 – 25, 2019 | Montreal**

- **Technology & Standards in Education and Employment**
  - **April 27, 2020 – May 1, 2020 | DC**