Introduction to ORA

Michael D. Sessa, President & CEO – 28 February 2018
PESC is

• PESC – Postsecondary Electronic Standards Council [www.PESC.org](http://www.PESC.org)
• Non-profit 501c3 (like charities & churches) founded 1997 with headquarters in Washington DC
• Member Association – 3 continents (Australia, Europe, North America)
  • Data, Software & Technology Service Providers
  • Schools, Districts, Colleges & Universities
  • College, University & State/Province Systems
  • Local, State/Province & Federal Government Offices
  • Professional, Commercial & Non-Profit Organizations
  • Non-Profit Associations & Foundations
• Funded by: Annual Member Dues, Annual Sponsors, Registration Fees
• 2 full time staff, 150+ Member Volunteers, 15 Groups & Committees
PESC is

• PESC Approved Standards
  • Data Standards-Development Body
  • Data Standards-Setting Body
  • Standards Maintenance and Version Control

• Education & Outreach
  • PESC Spring & PESC Fall Data Summits
  • The STANDARD Newsletter
  • Conferences, Meetings, Speaking Events
  • Annual Best Practices Competition

• Collaboration, Partnerships & Affiliations
  • Events, Exhibits, Pilots & Demos
  • Sponsorship, MOUs & Joint Initiatives

• Neutral, Trusted – The Value of PESC
# PESC Approved Standards

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## Technical Interoperability
PESC Partnership and Affiliations

- Access 4 Learning (PK12)
- American Association of Collegiate Registrars and Admissions Officers
- APEREO (Open Source)
- Association of Registrars of the Universities and Colleges of Canada
- EMREX (Europe)
- Erasmus Without Paper (Europe)
- Groningen Declaration Network
- HR Open Standards
- Internet2
- State Higher Education Executive Officers
- U.S. Department of Education’s Common Education Data Standards Initiative

Collaboration, Partnerships & Affiliations
Education & Outreach

EDiINTEROP 2017
FALL 2017 SYMPOSIUM & DATA SUMMIT
OCTOBER 25-27, 2017 www.pesc.org

THE STANDARD
SPECIAL EDITION | SUMMARY & WRAP-UP | SPRING 2017 DATA SUMMIT
WWW.PESC.ORG

SPRING 2018 DATA SUMMIT
BEST PRACTICES IN EDUCATION DATA SYSTEMS
MAY 2-4, 2018 WASHINGTON DC www.pesc.org

THE STANDARD
20th YEAR ANNIVERSARY EDITION
WWW.PESC.ORG

THE STANDARD
news and commentary on technology and standards in education

THE STANDARD
SUMMIT SUMMIT SUMMIT WRAP WRAP WRAP
WWW.PESC.ORG

FALL 2018 DATA SUMMIT
OCTOBER 17-19, 2018 SAN FRANCISCO www.pesc.org
Current Initiatives

- Academic Credentialing & Experiential Learning Task Force*
- Canadian PESC User Group – ARUCC/GDN Project
- EdExchange User Group – California Community Colleges/Parchment Pilot
- GEO Code User Group – University of Southern California/IERF Pilot
- JSON Task Force – Partnership with elementary/secondary on strategy
- www.PESC.org
Academic Credentialing*

- Academic Credentialing & Experiential Learning Task Force
- Common Credential for Certificates, Degrees & Diplomas
  PESC Approved XML Standard
- Empowering the Mobility of Digital Academic Credentials
  Spring 2017 Data Summit
- MOU with HR Open Standards
- Partnership with Credential Engine
- Credential Ecosystem Data Mapping Initiative*
- PESC – EMREX/ELMO Data Mapping Initiative
- [www.PESC.org](http://www.PESC.org)
Credential Ecosystem Data Mapping

Credential Ecosystem Data Mapping Initiative
Transparent, Interoperable Navigation Across Education, Training & Employment

• VALUE STATEMENT Educators, employers, students, veterans, policy makers and the economy in general are best served through comprehensive access to and availability of open, linked and discoverable data about credentials, providers of credentials & quality assurance groups.

• MISSION STATEMENT To ensure interoperability of data standards across education, training and employment sectors.

• GOVERNANCE The mission of the initiative is administered collaboratively by a Delegation of stakeholders in the competency and credential marketplace that develop, set and promote data standards.
Credential Ecosystem Data Mapping

PROJECT GOALS

1. To promote collaboration, transparency, harmonization, data linkages, open communications and overall interoperability among stakeholders in the competency and credential marketplace.

2. To determine levels of compatibility between data standards; identify opportunities for further alignment, convergence and partnerships; and develop better understanding of each stakeholder’s role across education, employment and training sectors.

3. To support providers of credentials with guidance on data transformation; open, linked data structures; and nationally and internationally recognized frameworks.

4. To inventory, share, map/crosswalk, data standards, models, taxonomies, vocabularies & schemas.

5. To produce agreed upon documentation, outputs, tools and artifacts for use and adoption.

6. To establish an inclusive approach and process for representation in the Delegation.
Credential Ecosystem Data Mapping

WORKPLAN
1. Begin with Competencies and Competency Frameworks.
2. Determine Project Use Cases and Credential Ecosystem Scope.
3. Reach Out to All Credential-related Domains.
5. To ensure resources, guidance, artifacts and tools (e.g. web page, conceptual models, written analysis, and crosswalks) provided remain current and sustainable.
6. Facilitate and support initiatives that improve data integration and data transformations.
7. Identify opportunities for additional partnerships, affiliations, convergence and alignment with new, emerging technologies and future marketplace initiatives
Credential Ecosystem Data Mapping

http://credreg.net/page/ecosystemcompetencies

PARTNERS
1. Access 4 Learning
2. Advanced Distributed Learning (ADL)
3. Common Education Data Standards (CEDS)
4. Credential Engine
5. HR Open Standards
6. IEEE
7. IMS Global
8. Medbiquitous
9. PESC
10. Schema.org
PESC Vision

Global mobility or Interoperability within the learner domain supported by a trustworthy, inter-connected network built by, for & between communities of trust in which data flows digitally and seamlessly from one community, system or network to another and throughout the entire eco-system when and where needed without compatibility barriers but in a safe, secure, reliable, legal, and efficient manner.
PESC APPROVED STANDARDS

1. Public Letter of Intent
   “Levels the Playing Field”

2. Development Group
   “Candidate Standard”

3. Public Comment
   “Open, Public Crowd-Power”

4. PESC Approved
   “Ready to Use”

PESC (Professional Educational Standards Consortium) is a professional organization that provides standards for educational institutions. The PESC-approved standards are designed to provide a level playing field for all educational institutions. The process involves a letter of intent, development group, public comment, and approval by PESC. The approved standards are then ready to be used by educational institutions.
PESC APPROVED STANDARDS

The Business Case for the Development of a PESC Standard in XML for Supporting Contextualizing and Sequential Learning Records and for Enhancing Data Exchange Mobility

Introduction

The current approach, designed to record learning in the form of course outlines, lesson plans, and the like, is no longer sufficiently robust to satisfy the needs of the modern learner. The current manual method is designed to record learning in the form of course outlines, lesson plans, and the like. Higher Education Institutions have long adopted the Carnegie Unit as a unit of measure, which permits the tracking of the time spent on the course. This traditional form is becoming obsolete, and a standard-based form that can be shared and distributed is needed. The PESC standard is designed to address this need by providing a digital format for the Carnegie Unit, which can be shared and distributed in a digital format.

Contextualizing and Sequential Learning Records Standardized Description

The standard is designed to be both contextually rich and structured, allowing for enhanced learning records. The design of such standards is necessary for PESC standards. The new standard is expected to:

1. Extend the existing PESC standard and respond to the needs of the field.
2. Be designed to be used in conjunction with existing standards.
3. Allow for the exchange of information in a digital format.

The Business/Use Case

“What Are We Trying To Solve & Why”

The purpose of providing a digital format for the Carnegie Unit is to allow for the seamless exchange of information between institutions. The PESC standard is designed to support this need by providing a digital format for the Carnegie Unit, which can be shared and distributed in a digital format.
PESC APPROVED STANDARDS

Academic Credentialing & Experiential Learning

Canadian PESC User Group (CanPESC)

Global Education Organization User Group

JSON Task Force

PESC APPROVED STANDARDS

Change Control Board (CCB)

Technical Advisory Board (TAB)

Education Record User Group (ERUG)

Seal of Approval Board (SAB)

EdExchange (CDS) User Group

PESC Board of Directors

PESC MEMBERS

Business Interoperability + Technical Interoperability
Free, Public & Open + PESC Member Driven
Leading the Establishment & Adoption of Open Data Standards Across the Education Domain
Opportunities for PESC & ORA

• Participate in free and open PESC groups and initiatives:
  • Academic Credentialing & Experiential Learning Task Force
  • Canadian PESC User Group
  • Global Education Organization Code User Group
  • JSON Task Force
  • PESC Approved Standards (public comment process)

• Explore Partnership/Affiliation

• Explore MOU

• Options: Member-based, Data Summits

• Credential Ecosystem Data Mapping Affiliation
Thank You!

• PESC – Postsecondary Electronic Standards Council
• www.PESC.org
• www.facebook.com/pescupdates
• www.twitter.com/pescupdates
• #PESCspring18summit
• #CollegeAndCareer
• Michael Sessa
• michael.sessa@pesc.org
Education & Outreach

20th anniversary

COMMON CREDENTIAL
for
CERTIFICATES
DEGREES & DIPLOMAS
Collaboration, Partnerships & Affiliations

Amelia Parcell of introducing NASPA to attendees at the Spring 2016 Data Summit in Dupont Circle.

The Groningen Declaration Network panel discusses in-depth the mission and vision of this expanding global initiative.

PESC's Roots Run Deep
Manuel Dejice and Stephen Velez of unisolution Global at the U.S. Briefing on R5S6 hosted by PESC on May 28, 2008. On November 9, 2007, 40 participants from 13 countries met in Rome, Italy in a workshop to begin discussing how to define electronic standards for the exchange of student data between institutions of higher education. The workshop and the group now referred to as the "Rome Student Systems and Standards Group" ("RSSG") is continuing the initiative. As PESC & U.S. Higher education have a vested interest in this initiative, several representatives from PESC attended this first workshop in Rome and continue to participate.

Activating Interoperability Across the Education Domain