One Standard for Education

Michael D. Sessa
President & CEO
PESC
FLOATING AROUND IN OUTER SPACE... UNABLE TO GET A CLEAR PICTURE OR FOCUS ON ANYTHING... COSTING TAXPAYERS BILLIONS...

YOU'RE BEING TOO HARD ON YOURSELF, GEORGE.
SECTORS AND COMMUNITIES OF INTEREST

SECTORS AND COMMUNITIES OF INTEREST

EDUCATION COMMUNITY & STAKEHOLDERS

LETIS
RS3G
KUALI
PESC
NCES/CEDS

SCORM
FSA/ISIR
InCommon
SPEEDE
FSA/COD
NCES/IPEDS
COMMON STAKEHOLDER MISSION:
“STUDENT ACHIEVEMENT”

Attractive Due to Benefits
Improve Data Quality
Enable Accurate Comparability
Set Common Expectations
Support Data-Driven Decision-Making

Ensure Transparency
“Co-Opetition”
Reduce Cost
Simplify Access
Encourage Innovation
Guarantee Return on Investment
Stabilize Markets

EDUCATION COMMUNITY & STAKEHOLDERS
Approved Standards

- Sectors Maintain Independence
- Also Agree to Voluntary Consensus Based Process
- Neutrality for Public/Private
- Transparent Collaboration
- Strategic and Sustainable

Education Community & Stakeholders

- SCORM
- LETS
- FSA/SIR
- RS3G
- InCommon
- KUALI
- SPEEDE
- PESC
- FSA/COD
- NCES/CEDS
- NCES/IPEDS

Approved Standards
STANDARDS-SETTING BODY

- Common IP
- Common Technical Guide: XML Architecture & Data Modeling
- Common Development, Alignment, Approval & Maintenance Process
- Common Registry & Repository for the Education Community
- Common Web Services

EDUCATION COMMUNITY & STAKEHOLDERS

Coordinate "Common" Cross-Sector
Maintain Consistent Community View
Guarantee Re-Usability
Democratize Data
Create Trusting Open Platform

SCORM
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Voluntary Consensus Standards-Setting

- National Technology Transfer and Advancement Act (NTTAA) of 1995
- OMB Circular A-199 of 1998
- Section 143 of the Higher Education Act of 1965, as amended
National Technology Transfer & Advancement Act of 1995

“...all Federal agencies and departments shall use technical standards that are developed or adopted by voluntary consensus standards bodies, using such technical standards as a means to carry out policy objectives or activities determined by the agencies and departments.”

“...Federal agencies and departments shall consult with voluntary, private sector, consensus standards bodies and shall...participate with such bodies in the development of technical standards.”

Section 12 (d) (1-2)
What are the goals of the government in using voluntary consensus standards?

- Eliminate the cost to the Government of developing its own standards and decrease the costs of goods procured and the burden of complying with agency regulation.
- Provide incentives and opportunities to establish standards that serve national needs.
- Encourage long-term growth for U.S. enterprises and promote efficiency and economic competition through harmonization of standards.
- Further the policy of reliance upon the private sector to supply Government needs for goods and services.
Section 143 of the Higher Education Act of 1965

“In order to improve the efficiency and effectiveness of the student aid delivery system, the Secretary and the COO shall encourage and participate in the establishment of voluntary consensus standards and requirements for the electronic transmission of information necessary for the administration of programs under title IV.”

- The COO shall participate in the activities of standards setting organizations...
- The COO shall encourage higher education groups seeking to develop common forms, standards, and procedures...to conduct these activities within a standard setting organization.
- The COO may pay necessary dues and fees associated with participation...
12th Annual Report on Federal Agency Use of Voluntary Consensus Standards
EDUCATION COMMUNITY & STAKEHOLDERS

PESC APPROVED STANDARDS

- PESC IP
- PESC Guidelines for XML Architecture & Data Modeling
- PESC Policies & Procedures for the Standards Forum for Education
- PESC XML Registry & Repository for the Education Community
- PESC EdUnify

NCES/IPEDS
NCES/CEDS
FSA/COD
High School & College Transcripts
Admissions, Test Score Reporting, Course Inventory
Kuali
InCommon

SCORM
LETSI
FSA/ISIR
RS3G
According to NCES, eighteen states plan on implementing PESC's XML High School Transcript by 2012; six states can map, align, or support PESC's XML High School Transcript:

**PLANNED ADOPTION OF PESC XML HIGH SCHOOL TRANSCRIPT**
- Arizona
- Arkansas
- Connecticut
- Idaho
- Illinois
- Indiana
- Kansas
- Mississippi
- Montana
- Nevada
- New Jersey
- New York
- North Dakota
- Oklahoma
- Rhode Island
- Utah
- Vermont
- Washington

**MAP, ALIGN, SUPPORT PESC XML HIGH SCHOOL TRANSCRIPT**
- Alabama
- Alaska
- Delaware
- Iowa
- Michigan
- South Carolina

PESC Approved in 2006, the XML High School Transcript is being adopted and implemented across North America.

**TABLE D. IMPLEMENTATIONS, PLANNED IMPLEMENTATIONS & SUPPORT OF PESC XML HIGH SCHOOL TRANSCRIPT.**

NOTES:
- Maine, Missouri, Pennsylvania, South Dakota and Tennessee did not respond to the NCES survey (5).
- Colorado, Hawaii, Massachusetts, New Hampshire and New Mexico did not complete the PESC section of the NCES survey (5).
- Florida, Georgia, Kentucky, Louisiana, Maryland, Minnesota, North Carolina, Nebraska, Ohio, Texas and Wisconsin reported no plans to use PESC's XML High School Transcript in the NCES Survey (11).
• EDI Consistent Data
• PDF Consistent Data
• XML Consistent Data
• Web Services Consistent Data

• Early Childhood Consistent Data
• Elementary Consistent Data
• Secondary Consistent Data
• Postsecondary Consistent Data
• Labor & Workforce Consistent Data
PESC Approved Standards

- **New Workgroup** Common IP
- **New Workgroup** Common Technical Guide: XML Architecture & Data Modeling
- **Expand PESC** Common Development, Alignment, Approval & Maintenance Process
- **Expand FSA** Common Registry & Repository for the Education Community
- **Expand Edunify** Common Web Services
EDUCATION COMMUNITY & STAKEHOLDERS

PESC = Only Standards-Setting Body in Education

Only Body Not Tied to Specific Technology or Specification

Infrastructure Already in Place

Merger Unnecessary

Model Allows Independence

SCORM
LETSI
FSA/ISIR
RS3G
InCommon
KUALI
SPEEDE
PESC
FSA/COD
NCES/CEDS
NCES/IPEDS

Common Technical Guide
Common Web Services

COMMON PROCESS

Common Registry & Repository for the Education Community

Common IP

NCES/IPEDS
NCES/CEDS
FSA/COD
High School & College Transcripts
Admissions Test Score Reporting
Course Inventory
Kuali
InCommon

EDUCATION COMMUNITY & STAKEHOLDERS
Historical Precedents

- AACRAO, NCES, CCSSO
- ANSI
- Data/XML Steering Committee
Align PK – 20 Data Systems

PK - 12

SIFA – SIF Specification

Jointly Developed

PESC - Standards

Higher Education

SIFA Developed

PESC Developed