



APRIL 2021 DATA SUMMIT

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We are member-driven and community-sourced.
We believe education is the key
to common civil society.
With all Members
with our Partners
with our Sponsors
around the world,
we educate, we clarify, we solve common problems
to improve lifelong learning for everyone.**



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DECLARATION



 T3 INNOVATION
NETWORK

PROGRAM AT-A-GLANCE

TUESDAY APRIL 20, 2021		WEDNESDAY APRIL 21, 2021		THURSDAY APRIL 22, 2021	
12.00 PM – 1.30 PM (EDT)		12.00 PM – 1.30 PM (EDT)		12.00 PM – 1.30 PM (EDT)	
1 Welcome & Introductions The Value of PESC Approved Standards <ul style="list-style-type: none"> Matt Bemis, USC Ruth Blades, CATNS Monterey Sims, UOPX Rick Skeel, Ellucian Q & A		3 Welcome & Introductions CanPESC & MyCreds MesCertif <ul style="list-style-type: none"> Joanne Duklas, Duklas Cornerstone; ARUCC Doug Holmes, OUAC Cathy van Soest, EducationPlannerBC Charmaine Hack, ARUCC Q & A		5 Welcome & Introductions COVID Stories on Business Continuity <ul style="list-style-type: none"> Matt Bemis, USC Eric Kidder, USC Tim Horzmann, CollegeSource David Moldoff, AcademyOne Q & A	
3.00 PM – 4.00 PM (EDT)		3.00 PM – 4.00 PM (EDT)		3.00 PM – 4.00 PM (EDT)	
2 JSON Transcript Architecture & Use Cases <ul style="list-style-type: none"> Michael Morris, ACT Alex Jackl, Bardic Systems Jim Kelly, Jim Kelly Tech 		4 Groningen Declaration Network <ul style="list-style-type: none"> Melanie Gottlieb, AACRAO; GDN Kathleen Massey, University of Lethbridge; GDN 		6 Coffee Talks <ul style="list-style-type: none"> Larry Fruth, Ph.D., A4L Community Melanie Gottlieb, AACRAO Jim Ireland, HR Open Standards Karen McCredie, EducationPlannerBC 	

TUESDAY APRIL 27, 2021		WEDNESDAY APRIL 28, 2021		THURSDAY APRIL 29, 2021	
12.00 PM – 1.30 PM (EDT)		12.00 PM – 1.30 PM (EDT)		12.00 PM – 1.30 PM (EDT)	
7 Welcome & Introductions Microcredentials & Verifiable Credentials <ul style="list-style-type: none"> Mike Dugan, FSMB Melanie Gottlieb, AACRAO Alex Jackl, Bardic Systems Simone Ravaoli, Digitary Q & A		9 Welcome & Introductions CLR & Transcript Interoperability <ul style="list-style-type: none"> Tom Black, Paradigm Doug Falk, NSC Jason Weaver, Parchment Q & A		11 Welcome & Introductions The Return to “Normal” Open Discussion <ul style="list-style-type: none"> Frank Cicio, iQ4 Jim Goodell, QIP/CEDS Simone Ravaoli, Digitary Q & A	
3.00 PM – 4.00 PM (EDT)		3.00 PM – 4.00 PM (EDT)		3.00 PM – 4.00 PM (EDT)	
8 Open Skills Network <ul style="list-style-type: none"> Darin Hobbs, WGU (invited) 		10 T3 Network of Networks <ul style="list-style-type: none"> Jason Tysko, USCCF 		12 23 rd Annual PESC Member Meeting <ul style="list-style-type: none"> Jim Kelly Kristi Blabaum Dave Moldoff Michael Sessa 	

PROGRAM

Tuesday April 20, 2021

12.00pm – 12.15pm

Welcome, Overview & Introductions

- **Michael Sessa**, President & CEO, PESC
- **Jennifer Kim**, Director of Membership Services, PESC

1

12.15pm – 1.30pm

Free, Open & Trusted | The Value of PESC Approved Standards

Moderator

- **Michael Sessa**, President & CEO, PESC

Featured Speakers

- **Matt Bemis**, Associate Registrar, University of Southern California
- **Ruth Blades**, Executive Director, NSCAT
- **Monterey Sims**, Director of Admissions & Evaluations, University of Phoenix
- **Rick Skeel**, Product Manager, Ellucian

Why is collaboration so important in developing PESC Approved Standards? What role do Partners play in the process? Why is PESC unique in the data standards environment? How will PESC Approved Standards be developed in the future? As longtime users of data standards, this panel will discuss the history of data standards, how many are in use, and the pathway forward.
60 mins plus 15 min QA

2

3.00pm – 4.00pm

The JSON Transcript | Discussion on Architecture & Use Cases

Moderator

- **Rick Skeel**, Product Manager, Ellucian

Featured Speakers

- **Michael Morris**, Senior Software Engineer in Test, ACT
- **Alex Jackl**, President & CEO, Bardic Systems
- **Jim Kelly**, Principal, Jim Kelly Technologies

PESC has begun development of a JSON version of the Academic College & High School Transcript and has formed a JSON Transcript Standards Development Workgroup. The JSON version will join the EDI, PDF and XML versions of the Transcript, used by many universities, colleges, states, provinces, vendors, service providers and additional authoritative bodies across Canada and the United States. The charter for the JSON Transcript Workgroup is to provide the most usable, most implementable, most interoperable version of the High School and College Transcript in JSON technology. The Workgroup looks to garner the best ideas during development from across all education, lifelong learning, employment and training while ensuring alignment with other initiatives and other standards – all in support of learner-centric, lifelong learning.
60 mins includes 15 min QA

PROGRAM

Wednesday April 21, 2021

12.00pm – 12.15pm Welcome & Introductions

3 12.15pm – 1.30pm **CanPESC's 10th Year & MyCreds | MesCertif**

Moderator

- **Karen McCredie**, Executive Director, EducationPlannerBC

Featured Speakers

- **Joanne Duklas**, President, Duklas Cornerstone Consulting; Executive Lead, ARUCC National Network
- **Doug Holmes**, Manager, eTranscripts, Ontario Universities' Application Centre (OUAC)
- **Cathy van Soest**, Manager, EducationPlannerBC
- **Charmaine Hack**, University Registrar, Ryerson University; Chair, National Network Project Steering Committee, Association of Registrars of the Universities & Colleges of Canada (ARUCC)

Now in its 10th year, the Canadian Postsecondary Electronic Standards Council (CanPESC) serves a vital role across the provinces & territories of Canada. What role does CanPESC play? What is its history? How does CanPESC partner with ARUCC and with GDN. Simultaneously ARUCC has launched MyCreds | MesCertif and many universities and colleges are currently implementing this national network. Through this network, Canadian colleges and universities are providing credential wallets to learners, giving them 24-7 access and helping them securely send their documents, badges, microcredentials, transcripts, and parchments wherever and whenever they want - anytime, anywhere.

60 mins plus 15 min QA

4 3.00pm – 4.00pm

The Groningen Declaration Network (GDN)

Moderator

- **Michael Sessa**, President & CEO, PESC

Featured Speakers

- **Melanie Gottlieb**, Treasurer, Groningen Declaration Network; Deputy Director, American Association of Collegiate Registrars & Admissions Officers (AACRAO)
- **Kathleen Massey**, President, Groningen Declaration Network; Associate Vice-President (Students), University of Lethbridge

GDN's Annual Meetings have created a global awareness that continues to focus on the importance of digital mobility. Also in its 10th Year, GDN recently launched its latest major initiative, the T.R.U.S.T. Hub, which looks to ensure those maintaining data can trust and connect with others globally. GDN has also moved its annual meeting date from the 2nd quarter (usually April) to the 4th quarter (October/November).

60 mins includes 15 min QA

PROGRAM

Thursday April 22, 2021

12.00pm – 12.15pm Welcome & Introductions

5 12.15pm – 1.30pm **COVID Stories of Business Continuity**

Featured Speakers

- **Matt Bemis**, Associate Registrar, University of Southern California
- **Eric Kidder**, Articulation Officer, University of Southern California
- **Tim Horzmann**, Systems Manager and Product Experience Specialist, CollegeSource
- **David Moldoff**, Founder & CEO, AcademyOne

The COVID Pandemic disrupted all aspects of our lives. Many in higher education have found new and interesting ways to ensure business continuity.

60 mins plus 15 min QA

6 3.00pm – 4.00pm

Coffee Talks

Featured Speakers

- **Larry Fruth, Ph.D.**, Chair, Data Standards United (DSU); CEO, Access 4 Learning (A\$L) Community
- **Melanie Gottlieb**, Deputy Director, American Association of Collegiate Registrars & Admissions Officers (AACRAO)
- **Jim Ireland**, Executive Director, HR Open Standards
- **Karen McCredie**, Executive Director, EducationPlannerBC

Stepping into new roles, these leaders will share their thoughts on these roles and their visions for the future landscape.

60 mins includes 15 min QA



POSTSECONDARY ELECTRONIC STANDARDS COUNCIL

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

PESC IS SPONSORED ANNUALLY by [Digitary](#), [National Student Clearinghouse](#), [Parchment Inc.](#), [DegreeData](#) and [Educational Credential Evaluators](#). PESC partners include [AACRAO](#), [ARUCC](#), [A4L Community](#), [EMREX](#), [EWP](#), [Groningen Declaration Network](#), [HR Open Standards](#), [SHEEO](#), [T3 Innovation Network](#), and the [US Department of Education's Common Education Data Standards \(CEDS\) Initiative](#).

PESC IS A PROUD EXHIBITOR at [AACRAO's Annual Meeting](#), [ARUCC's Annual Meeting](#), and the [Annual STATS-DC Conference](#) of the National Center for Education Statistics (NCES) of the US Department of Education.

PESC IS A PROUD SPONSOR of [AIR's Annual Conference](#) and of the [Annual California Electronic Transcripts Workshop and CCCApply](#).

PESC IS A PROUD MEMBER/AFFILIATE/SIGNATORY of [AACRAO](#), of the [NCES National Forum on Education Statistics](#), and of the [Groningen Declaration Network](#).

PESC HAS A STRONG HISTORY that includes AACRAO, SPEEDE, EDI, ANSI, X12, Canada, the US Department of Education and Y2K. Read more at www.PESC.org.

IN FULFILLING ITS NON-PROFIT MISSION, all PESC APPROVED STANDARDS are available to the education community online free of charge at www.PESC.org.

ABOUT PESC

ESTABLISHED 1997 AT THE NATIONAL CENTER FOR HIGHER EDUCATION & HEADQUARTERED IN WASHINGTON DC, PESC is an international, 501 (c)(3) non-profit, community-based, umbrella association of data, software and education technology service providers; schools, districts, colleges and universities; college, university and state and provincial systems; local, state/provincial and federal government agencies; professional, commercial and non-profit organizations; and non-profit associations & foundations.

Leading the ESTABLISHMENT & ADOPTION OF TRUSTED, FREE & OPEN STANDARDS ACROSS THE EDUCATION DOMAIN. Through open and transparent community participation, PESC enables cost-effective connectivity between data systems to accelerate performance and service, to simplify data access and research, and to improve data quality along the Education lifecycle. PESC envisions global interoperability within the Education domain, supported by a trustworthy, inter-connected network built by and between communities of interest in which data flows digitally and automatically from one community, system or network to another and throughout the entire ecosystem when and where needed without compatibility barriers but in a safe, secure, reliable, legal, and efficient manner.

ABOUT PRIVACY 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 APPROVED STANDARDS and services should ensure they comply with GDPR, FERPA and all local, state, provincial, federal and international rules on privacy and security as applicable. For more information, see www.PESC.org.

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PROGRAM

Tuesday April 27, 2021

12.00pm – 12.15pm Welcome & Introductions

7

12.15pm – 1.30pm **The Future is Now! Microcredentials, Verifiable Credentials, Digitization and Standards**

Moderator

- **Joanne Duklas**, President, Duklas Cornerstone Consulting

Featured Speakers

- **Mike Dugan**, COO, FSMB
- **Melanie Gottlieb**, Deputy Director, AACRAO
- **Alex Jackl**, President & CEO, Bardic Systems
- **Simone Ravaoli**, Director of Strategic Partnerships, Digitary

Microcredentials and Verifiable Credentials represent the next wave of recognizing learning in new and innovative ways. They reflect emerging and alternative curriculum arrangements and are credentials that transcend organizations and contexts. The opportunities to create partnerships between institutions and industry to deliver innovative, customized learning experiences and new models of credentialing have gained impetus in countries around the world. Delivering these as Verifiable Credentials using verifiable data, user-centric cryptography, and decentralized identities is creating the next generation of learner agency and control. Yet also introduced are new complexities for data control, privacy, interoperability, data stewardship and exchange. Join this expert panel who will define and explore Microcredentials, and discuss what this new reality means for standards conversations, interoperability and learners.

60 mins plus 15 min QA

8

3.00pm – 4.00pm **Open Skills Network**

- **Darin Hobbs**, Director, Western Governors University (invited)

60 mins includes 15 min QA

PROGRAM

Wednesday April 28, 2021

12.00pm – 12.15pm Welcome & Introductions

9

12.15pm – 1.30pm **CLR & Transcript Interoperability**

Moderator

- **Michael Sessa**, President & CEO, PESc

Featured Speakers

- **Tom Black**, Director of Innovation, Paradigm (invited)
- **Doug Falk**, CIO & VP, National Student Clearinghouse
- **Jason Weaver**, Head of Product, Parchment

60 mins plus 15 min QA

10

3.00pm – 4.00pm **T3 Network of Networks**

Moderator

- **Michael Sessa**, President & CEO, PESc

Featured Speaker

- **Jason Tyszko**, Vice President, Center for Education and Workforce, U.S. Chamber of Commerce Foundation

The U.S. Chamber of Commerce Foundation and the T3 Innovation network remain committed to the digital transformation of the talent marketplace and working to bring community ideas for the T3 Network of Networks (T3N2) to life! Last fall, the T3N2 Work Group prioritized opportunities to connect and collaborate. In response, the T3 Network will launch the Network of Networks in May 2021 with four Networks focused on the following areas: data and technology standards, LERs, competency and skills frameworks, and jobs and employment data. Also in motion is a process for launching new Work Groups, and design of a collaborative place to host and showcase work through a T3 Network Resource Hub. The ideas gathered from the T3N2 significantly shaped these developments, and input will continue to be valuable as it is built forward.

60 mins includes 15 min QA

PROGRAM

Thursday April 29, 2021

12.00pm – 12.15pm Welcome & Introductions

11

12.15pm – 1.30pm **The Return to “Normal”**

Moderator

- **Michael Sessa**, President & CEO, PESC

Featured Speakers

- **Frank Cicio**, Founder & CEO, iQ4
- **Jim Goodell**, QIP/CEDS
- **Simone Ravaoli**, Director of Strategic Partnerships, Digitary

Returning to “normal” – what does this mean? What the COVID pandemic forces us to realize is that there is no more normal. We must create a new normal, a future that is better than the past. Speakers will discuss emerging into a future and the various projects and initiatives they are working on.

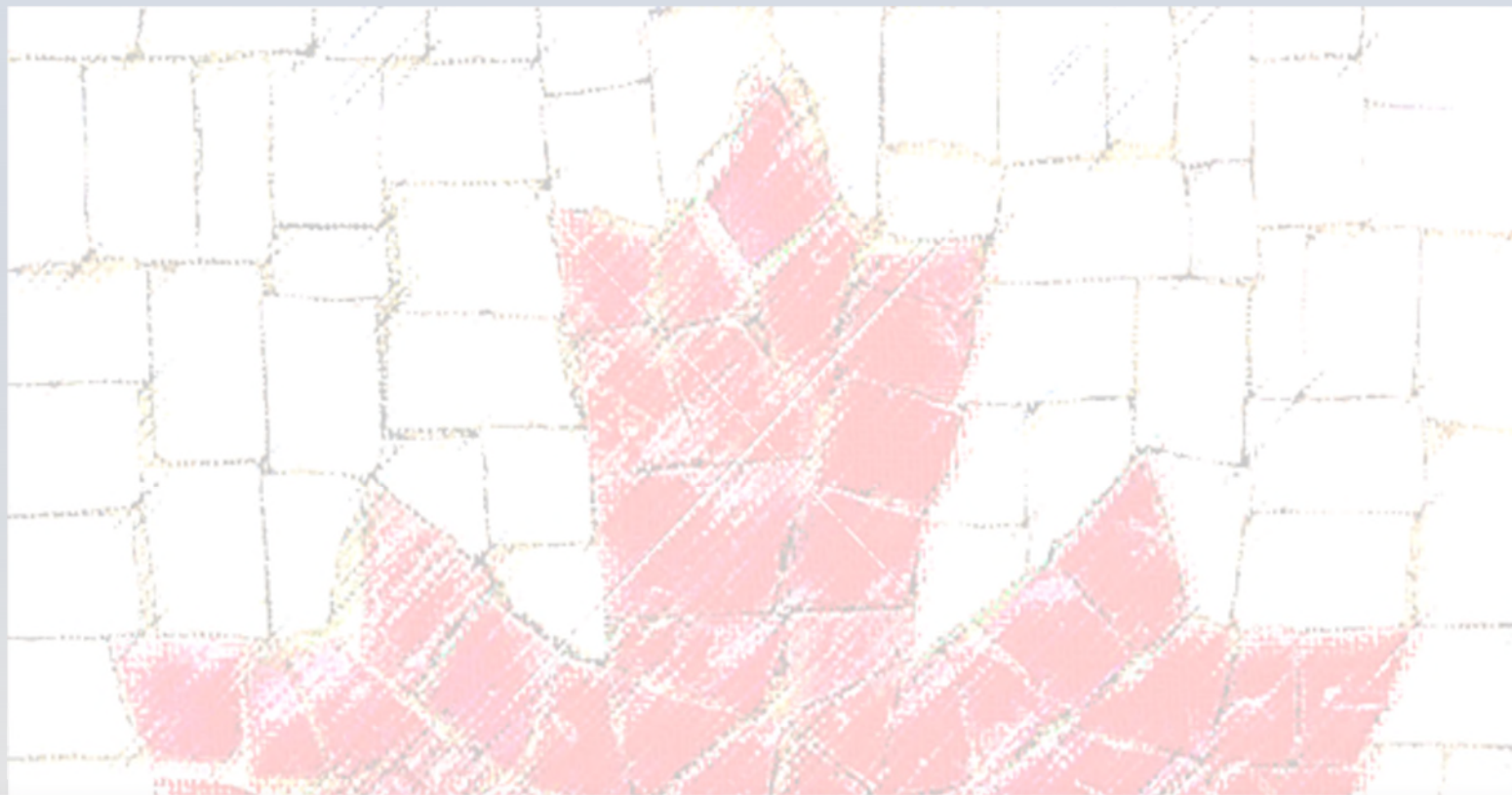
60 mins plus 15 min QA

12

3.00pm – 4.00pm **23rd Annual PESC Member Meeting**

- **Jim Kelly**, Chair, PESC Board of Directors
- **Kristi Blabaum**, Treasurer, PESC Board of Directors
- **David Moldoff**, PESC Board of Directors
- **Michael Sessa**, President & CEO, PESC Board of Directors

60 mins includes 15 min QA



CANADIAN PESC USER GROUP



MEMBERS

AUSTRALIA

- University of Melbourne

CANADA

- Alberta Post-Secondary Application System
- Camosun College
- Council on Admission & Transfer of Nova Scotia
- Duklas Cornerstone Consulting
- EducationPlannerBC
- McGill University
- OCAS
- Ontario Universities' Application Centre (OUAC)
- University of Lethbridge
- University of Montreal

INDIA

- eMudhra

IRELAND

- Digitary

NETHERLANDS

- Groningen Declaration Network

UNITED STATES OF AMERICA

- AACRAO
- Association of American Medical Colleges (AAMC)
- Access 4 Learning (A4L) Community
- American Council on Education (ACE)
- Association of International Credential Evaluators (AICE)
- College Board
- Common Application
- Federation of State Medical Boards (FSMB)
- Lumina Foundation
- National Association of Student Loan Administrators (NASLA)
- U.S. Chamber of Commerce Foundation
- California Community College System
- California State University System
- Indiana Commission for Higher Education
- Brown University
- Carnegie Mellon University
- Central Connecticut State University
- Community College of the Air Force
- Elon University
- Emory University
- Florida International University
- Indiana State University
- Michigan State University
- University of Arizona
- University of Chicago
- University of Colorado Boulder
- University of Denver
- University of Iowa
- University of Louisiana at Lafayette
- University of Michigan
- University of Mississippi
- University of North Texas
- University of Oregon
- University of Phoenix
- University of Puerto Rico System
- University of Southern California
- University of Texas at Austin
- University of Virginia
- University of Wisconsin at Madison
- Western Governors University
- AcademyOne
- ACT
- Bardic Systems
- DegreeData
- Educational Credential Evaluators (ECE)
- Ellucian
- ELM Resources
- ELocker
- Hyland Credentials
- iQ4
- Jenzabar
- Liaison International
- National Student Clearinghouse
- Oracle
- Paradigm
- Parchment
- World Education Services (WES)

DISTINGUISHED SERVICE AWARDS

2020

Joanne Duklas
Alex Jackl
Mike Reilly
Jason Weaver

2019

Herman de Leeuw
Simone Ravaoli
Monterey Sims
Cathy van Soest

2018

Janie Barnett
Matt Bemis
National Student Clearinghouse

2017

ARUCC
Brian Allison
Doug Falk
Mei Hung
Dave Moldoff
Rick Skeel

2016

Thomas Black
Francisco Valines
Leisa Wellsman
Andy Wood

2015

California Community College
Technology Center
Jeffrey Alderson

2014

Brian Allison
Doug Holmes
David Webber

2013

Hans L'Orange
Susan McCrackin

2012

John Ittelson, Ph.D.

2011

AACRAO SPEEDE Committee
Charles Leonhardt

2010

Kristi Blabaum
Michael Morris

2009

Steve Biklen
Dave Moldoff
Clare Smith-Larson

2008

Judith Flink

2007

AACRAO
Jim Farmer

2006

Ed Hauser
Keith Riccitelli
Tom Stewart

2005

Tim Bornholtz
Mark Bolembach

2004

Holly Hyland
Adele Marsh
Dallas Martin
Bruce Marton

2003

Jerry Bracken

2002

Steve Margenau
Adele Marsh
Bruce Marton
Paul Ness

Jeanenne Rothenberger

Michael Sessa

2001

Rebecca Babel
Ellen Blackmun
Steve Margenau
Karl Van Neste

2000

David Leonard
Tim Pavlick
Dave Stones



MAXIMIZING THE VALUE & INTEGRITY OF YOUR TECHNOLOGY

POSTSECONDARY ELECTRONIC STANDARDS COUNCIL

PESC is the voice for efficient, trusted and secure real-time exchange of student and learner data in the education ecosystem. For seamless integration of student data from high school into the college and university environment, through successful completion of the education experience and into the workforce; and to connect education with labor, government, HR and health sectors –

PESC APPROVED STANDARDS ARE THE SOLUTION!

Transparent collaboration is PESC's cornerstone principle. The open sharing of ideas and best practices reminds us that while we work in a competitive environment, as stakeholders, we must also cooperate and work together for the greater common good. That greater common good is ensuring opportunity, progression and achievement for all students and learners and fostering a successful learning experience.

FREE, OPEN AND TRUSTED PESC APPROVED STANDARDS

PESC is driving alignment, harmonization and collaborative development across disparate systems & sectors; and is eliminating costly barriers impacting students, learners, faculty, families, institutions, states/provinces, vendors & taxpayers.

PESC and PESC's Member Community envision an open, accessible and digitally connected ecosystem enabling students and learners to successfully achieve their goals. The vision is achievable. We have the ability. We have identified what needs to be done and we know how to do it.



**JOIN THE COMMUNITY
JOIN THE EFFORT
JOIN PESC**

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ACADEMIC CREDENTIAL & EXPERIENTIAL LEARNING

PESC APPROVED STANDARD



ACADEMIC COLLEGE TRANSCRIPT

PESC APPROVED STANDARD



ADMISSIONS APPLICATION

PESC APPROVED STANDARD



ACADEMIC HIGH SCHOOL TRANSCRIPT

PESC APPROVED STANDARD



EDUCATION TEST SCORE REPORTING

PESC APPROVED STANDARD



EDUCATION COURSE INVENTORY

PESC APPROVED STANDARD



ACADEMIC EPORTFOLIO

PESC APPROVED STANDARD



STUDENT FINANCIAL AID

(GRANTS, LOANS, SERVICING)

PESC APPROVED STANDARD



STANDARDS | IMPLEMENTATION GUIDES | RECOMMENDED IMPLEMENTATION PRACTICES | INSTANCE DIAGRAMS | CROSSWALKS
TECHNICAL SPECIFICATIONS | SHARED GOVERNANCE | MEMBER DRIVEN | COMMUNITY SOURCED | FREE & OPEN

EDI JSON JSON-LD PDF XML

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

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JSON^{LD} TASK FORCE

||||| *Join Today!*

DEVELOPMENT IS UNDERWAY AT PESC.

**The JSON Task Force invites
those with & those seeking knowledge & experience
regarding JSON & JSON-LD.**



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THE

DATE

APRIL 25-27, 2022

WASHINGTON, D.C.





APRIL 2021 DATA SUMMIT



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