



ROADMAP FOR MIGRATION TO  
COMPREHENSIVE LEARNER RECORDS (CLR) AND  
INTEROPERABLE LEARNING RECORDS (ILR)



MICHAEL D. SESSA FEBRUARY 24, 2020 v 10  
[www.PESC.org](http://www.PESC.org)



**Roadmap** is a strategic plan that defines a goal or desired outcome, and includes the major steps or milestones needed to reach it.

It also serves as a communication tool, a high-level document that helps articulate the strategic thinking — the why — behind both goal and the plan for getting there.

(<https://www.productplan.com/roadmap-basics/>)

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



**Change is the only constant in life.**

- Heraclitus

**Time may change me but I can't trace time.**

- David Bowie, *Changes*

**We fear change.**

- Garth Algar, *Wayne's World*

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



With PESC Approved Standards implemented across Canada & USA,  
PESC's responsibility is to provide new versions with  
CLR/ILR data.

**New learner data elements will be added to  
All PESC Approved Standards.**  
(eventually)

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



# PESC APPROVED STANDARDS 2.0

All PESC Approved Standards will be  
upgraded to Version 2.0  
'CLR/ILR' version.

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



## PESC APPROVED STANDARDS 2.0

PESC Approved Standard	Current Version	CLR/ILR Version
<b>Academic Credential &amp; Experiential Learning</b>	<b>1.0</b>	<b>1.0</b>
Academic College Transcript	1.8	2.0
Academic ePortfolio	1.0	2.0
Academic High School Transcript	1.6	2.0
Admissions Application	1.4	2.0
Education Course Inventory	1.0	2.0
Education Test Score Reporting	1.1	2.0
Core Main	1.19	2.0
Academic Record	1.9	2.0

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



## **PESCC TAGLINES**

- 1) ACTIVATING INTEROPERABILITY ACROSS THE EDUCATION LIFECYCLE**
- 2) COLLABORATION FOR THE GREATER COMMON GOOD**
- 3) CONNECTING COLLEGE & CAREER**
- 4) DRIVING DATA SYSTEMS ALIGNMENT**
- 5) ENABLING THE PORTABILITY OF EDUCATION DATA**
- 6) EXPERIENCE. THE DIFFERENCE.**
- 7) MAXIMIZING THE VALUE & INTEGRITY OF YOUR TECHNOLOGY**
- 8) MULTIPLE STAKEHOLDERS. ONE VISION.**
- 9) STANDARDS MAKE THE WORLD GO 'ROUND**
- 10) UNLOCKING THE POWER OF EDUCATION DATA**

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



## **NEW PESC TAGLINES**

- 1) ADVANCING LEARNER ACHIEVEMENT WORLDWIDE**
- 2) ADVOCATES FOR DATA STANDARDIZATION/MOBILITY**
- 3) ARCHITECTS OF HIGHER EDUCATION DATA**
- 4) CONNECTING THE NEW DIGITAL ECOSYSTEM**
- 5) FIND IT HERE**
- 6) HIGHER EDUCATION'S DIGITAL DATA COMMUNITY**
- 7) LEADERS IN DIGITAL DATA CONNECTIVITY/MOBILITY**
- 8) STANDARDS BODIES UNITED**
- 9) THE RIGHT STANDARD/TECHNOLOGY AT THE RIGHT TIME**
- 10) THE POWER OF COMMUNITY**

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ADVANCING LEARNER ACHIEVEMENT WORLDWIDE



[www.PESC.org](http://www.PESC.org)

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

<b>Academic Credentialing &amp; Experiential Learning Task Force</b> <a href="mailto:CBE@lists.pesc.org">CBE@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Alex Jackl, Bardic Systems</li> <li>▪ Joellen Shendy, Workday</li> </ul>
<b>Admissions Workgroup for Standardizing Recruitment Data</b> <a href="mailto:RecruitAdmit@lists.pesc.org">RecruitAdmit@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Michael Hovland, University of Iowa</li> <li>▪ Susan McCrackin, College Board</li> </ul>
<b>Canadian PESC User Group</b> <a href="mailto:CA_UserGroup@lists.pesc.org">CA_UserGroup@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Doug Holmes, OUAC</li> <li>▪ Cathy van Soest, EducationPlannerBC</li> </ul>
<b>Data Privacy &amp; Protection Task Force</b> <a href="mailto:Privacy@lists.pesc.org">Privacy@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Doug Falk, National Student Clearinghouse</li> <li>▪ Julia Funaki, AACRAO</li> </ul>
<b>Global Education Organization Code User Group + Steering Committee</b> <a href="mailto:CBE@lists.pesc.org">CBE@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Matt Bemis, University of Southern California</li> <li>▪ Jim Kelly, ECE</li> </ul>
<b>JSON – LD Task Force</b> <a href="mailto:JSON@lists.pesc.org">JSON@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Michael Morris, ACT</li> </ul>
<b>Board of Directors + Executive Committee</b> <a href="mailto:Board@lists.pesc.org">Board@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Doug Falk, National Student Clearinghouse</li> </ul>
<b>Competencies &amp; Credentials User Group + Steering Committee</b> <a href="mailto:CBE@lists.pesc.org">CBE@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Alex Jackl, Bardic Systems</li> <li>▪ Joellen Shendy, Workday</li> </ul>
<b>EdExchange User Group + Steering Committee</b> <a href="mailto:EdExchange@lists.pesc.org">EdExchange@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Mark Cohen, California Community Colleges</li> <li>▪ Dave Moldoff, AcademyOne</li> </ul>
<b>Seal of Approval Board</b> <a href="mailto:SAB@lists.pesc.org">SAB@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Monterey Sims, University of Phoenix</li> </ul>
<b>Standards Development Forum for Education + Steering Committee</b> (Change Control Board, Education Record User Group, Technical Advisory Board, Steering) <a href="mailto:CCB@lists.pesc.org">CCB@lists.pesc.org</a> , <a href="mailto:ER_UserGroup@lists.pesc.org">ER_UserGroup@lists.pesc.org</a> , <a href="mailto:PESTAB@lists.pesc.org">PESTAB@lists.pesc.org</a> , <a href="mailto:PESCforum@lists.pesc.org">PESCforum@lists.pesc.org</a>	<ul style="list-style-type: none"> <li>▪ Kristi Blabaum, Great Lakes, NASLA</li> <li>▪ Matt Bemis, USC   Jason Weaver, Parchment</li> <li>▪ Michael Morris, ACT</li> <li>▪ Susan McCrackin, College Board</li> </ul>

## PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA

## PESC GROUPS

- **Free & Open**  
**NEW:** EdPlan  
 Rick Skeel, Ellucian  
 Mark Cohen, CCC  
[edplan@lists.pesc.org](mailto:edplan@lists.pesc.org)
- **PESC Member-Based**



**Academic Credentialing & Experiential Learning Task Force**

**PESC Spring 2019 Data Summit**

Breakout Meeting

Friday May 10, 2019

Alex Jackl, Co-Chair

Joellen Shendy, Co-Chair

- 1) Notes
- 2) Notes
- 3) Notes
- 4) Notes
- 5) Notes
- 6) Notes
- 7) Notes
- 8) Notes
- 9) Notes
- 10) Notes

**Competencies &  
Credentials  
User Group**

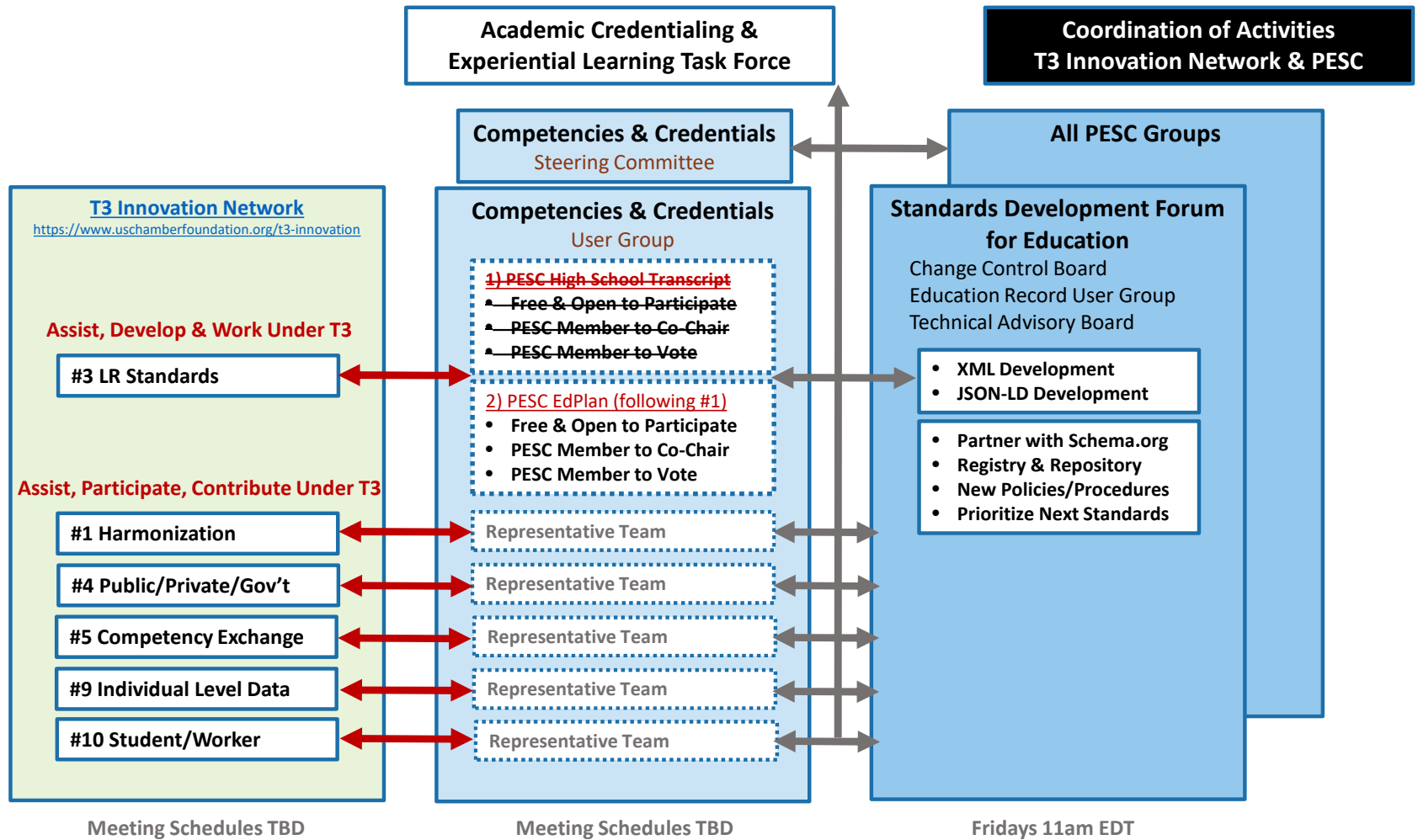
**Academic Credentialing & Experiential Learning Task Force**



- Competencies & Credentials User Group (No Limit)**
- |                                      |   |
|--------------------------------------|---|
| 1) Matt Bemis, USC                   | 15) Carrie Morris, ACT                    |
| 2) Kristi Blabaum, Ascendium         | 16) Michael Morris, ACT                   |
| 3) Mark Cohen, CCC                   | 17) Robert Powell, Jenzabar               |
| 4) Andrew Cunsolo, HROS              | 18) Simone Ravaoli, Digitary              |
| 5) Brandon Dorman, ACT               | 19) Paul Robinson, University of Michigan |
| 6) Joanne Duklas, Duklas Cornerstone | 20) Ken Sauer, Indiana Commission for HE  |
| 7) Doug Falk, NSC                    | 21) Monterey Sims, Uphoenix               |
| 8) Julia Funaki, AACRAO              | 22) Karen Simpson-Alisca, Cal State       |
| 9) Darin Hobbs, WGU                  | 23) Rick Skeel, Ellucian                  |
| 10) Doug Holmes, OUAC                | 24) Cathy van Soest, EducationPlannerBC   |
| 11) Jim Kelly, ECE                   | 25) Anne Valentine, DegreeData            |
| 12) Jeanne Kitchens, SIU             | 26) Jason Weaver, Parchment               |
| 13) Susan McCrackin, College Board   | 27) Joshua Westfall, USCCF                |
| 14) Dave Moldoff, Academy1           | 28) Kristi Wold-McCormick, UColorado      |
|                                      | 29) ?                                     |

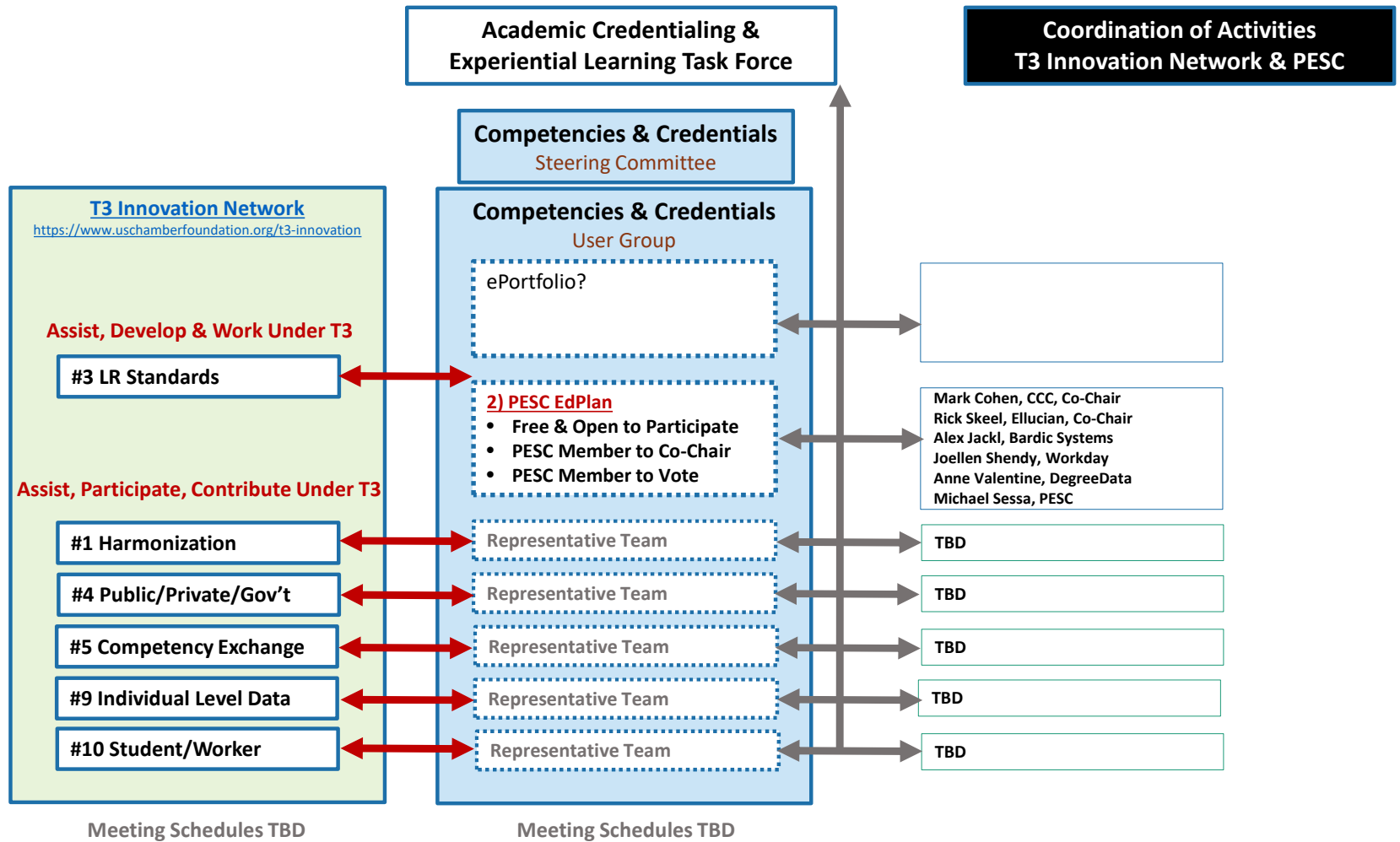
PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA





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PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA



PESC Statement of Work

Timeline: May 1, 2019 – December 30, 2020

1. Project 1: Continue Participation in the Mapping Group for Improving Alignment and Harmonization of Data Standards for Search and Discovery and System to System Data Transfer Use Cases (May 2019 to October 2020)
  - a. Assist in developing a charter for the Mapping Group under the T3 Network.
  - b. Assist in developing a standards harmonization process and provide input into the development of a platform for supporting mapping and harmonization.
  - c. Assist in developing a two-year work plan starting with T3 Network mapping and harmonization priorities related to competency data; comprehensive CLR/ILRs; and personal identifiers and related protocols for linking individual-level employment and CLR/ILRs as well as self-sovereign data management.
  - d. Assist in developing a plan for long-term sustainability of the standards harmonization process under the charter that is established.
  - e. Participate in 6-8 webinars to assist in conducting this Project 1 work.
2. Project 3: CLR/ILR Standards (June 2019 – October 2020).
  - a. Work with other data standards organizations and leading HR and CLR/ILR system vendors in mapping, aligning and filling gaps in HR systems, resume and CLR/ILR standards to improve interoperability and competency-based hiring.
  - b. Assist in developing public and private stakeholder use cases for search and discovery and system to system data sharing between employers records and their talent sourcing partners and learners using a wide variety CLR/ILRs (e.g., transcripts, comprehensive student records, resumes, military transcripts, employee records) and vendor systems with a focus on improving competency-based hiring and advancement.
  - c. Identify relevant PESC standards for improving interoperability between HR systems (e.g., ATS candidate records) and systems for managing and sharing CLR/ILR data (e.g., resumes, comprehensive CLR/ILRs).
  - d. Work with the Project 1 T3 Network Team and other project partners to map, align and fill gaps in standards to improve interoperability and competency-based hiring and advancement.
  - e. Develop proposed revisions for PESC standards for pilot-testing that could be eventually established as PESC standards that are open standards for use in the talent marketplace.
  - f. Participate on an advisory group to plan pilot-testing of aligned and enhanced standards for improving interoperability between HR systems and comprehensive CLR/ILRs for improving competency-based hiring and advancement.
3. Project 4: Public-Private Standards Development and Use by Government (May 2019 – October 2020).
  - a. Participate in 2-3 meetings with standards bodies and federal and state agencies to review and revise draft guiding principles and processes established by pilot project 4. Explore how federal and state agencies can promote and/or participate in one or more pilot opportunities.
4. Project 5: Competency Data Exchange (July 2019 – April 2020)
  - a. Provide input into the design of the competency data exchange.
5. Project 9: Data Collaboratives for Individual-Level Data (July 2019 – April 2020).
  - a. Participate 2-3 webinars to coordinate standards development for individual identifiers for employment and earnings and CLR/ILRs.
6. Project 10: Empowering the American Student and Worker (July 2019 – April 2020)
  - a. Participate in 2-3 webinars for developing protocols for self-sovereign data management and developing plans for their pilot-testing.
7. Maintain regular contact with the Foundation and consultants throughout the duration of the grant through phone calls, emails, webinars, and in-person meetings.
8. The Consultant understands that Phase 2 of the T3 Innovation Network and all of the pilot project work tasks must be completed by October 2020. Because of this, the Consultant will make every effort to adhere to deadlines for deliverables set forth by the Foundation. Failure to do so may result in termination of this Agreement.
9. The Consultant shall perform all work in a timely and professional manner. The consultant shall not subcontract for any of the services provided to the Foundation without written approval from the Foundation.

# ACADEMIC CREDENTIAL & EXPERIENTIAL LEARNING



PESC APPROVED STANDARD  
MARCH 31, 2017 v 1.0 [WWW.PESC.ORG](http://WWW.PESC.ORG)

## Designed for:

- CREDENTIAL RECORDS FOR BOTH TRADITIONAL ACADEMIC LEARNING AND EXTRA- AND CO-CURRICULAR EXPERIENCE
- LEARNING RECORD DATA EXCHANGE AND MOBILIZATION
- RECORDS FOR CREDENTIAL ARTIFACT GENERATION AND PRESENTATION
- EXPRESSION OF THE CONTENTS OF THE PROGRAM AS LEARNING OUTCOMES AND LEARNING REFLECTION
- LEARNING OUTCOME PROFICIENCY ASSESSMENT
- LEARNING OUTCOME MAPPING TO ALTERNATIVE SYSTEMS SUCH AS HR SYSTEMS, HIGHER EDUCATION STUDENT RECORDS SYSTEMS
- BOTH PREK, K12, AND WORKFORCE ECOSYSTEMS AS WELL AS HIGHER EDUCATION

## Aligned with:

- **DQP – DEGREE QUALIFICATIONS PROFILE** [HTTP://DEGREEPROFILE.ORG/](http://DEGREEPROFILE.ORG/)  
A learning-centered framework for what college graduates should know and be able to do to earn the associate, bachelor's or master's degree
- **CEDS – COMMON EDUCATION DATA STANDARDS** [HTTPS://CEDS.ED.GOV/](https://CEDS.ED.GOV/)  
An education data management initiative whose purpose is to streamline the understanding of data within and across P-20W institutions and sectors

COMPREHENSIVE LEARNER RECORD PROGRAM

INTEROPERABLE LEARNING STANDARDS

PESC ROADMAP FOR MIGRATION TO CLR/ILR DATA

