Extended Transcript Phase II

Achievements Records Standard and SkillsCenter Search™

Building Digital Bridges

Employers

Validating Organizations

Accreditors
Credentials Registry
Regulators
Endorsers

Skills, Competencies

Courses

Co-curricular activities

Internships and volunteerism

21st Century Employment Skills

Learning Organizations

Higher and K12 Education
Training organizations
Employers
Non-traditional Learning Orgs

**Learner
Job Candidates**
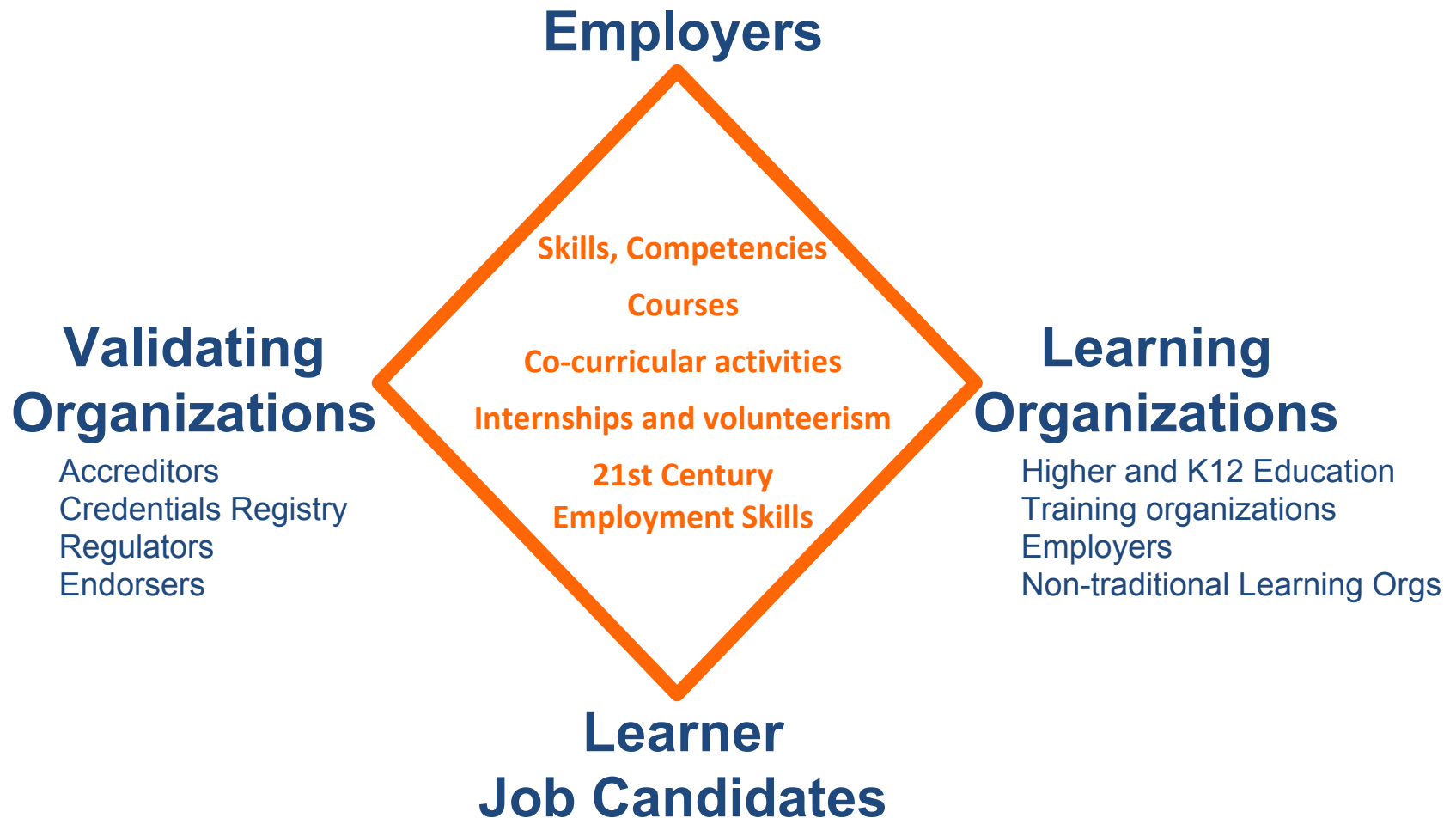
The Problem

Skill gaps and mismatches are resulting in missed employment opportunities for learners young and old

Institutions' competency-based learning programs are increasingly designed to focus on the needed skills

But **scalable digital communication** of a learner's verified knowledge, skills and abilities remains a problem to be solved

An Extended Transcript

IMS members, collaborating with members of the Competency-Based Education Network, the American Association of Registrars and Academic Officers and National Association of Student Personnel Administrators designed a **new digital achievements record called eT**, for extended transcript

The eT achievement record complements credentialing validation efforts such as the Credentials Engine[c] while filling a critical need for **learning organization data standards**

What is eT?

eT is a common format for storing the variety of learner achievements in a consistent digital structure, ideal for web display, web search and other data-based activities. eT supports

- Competencies
- Courses
- Co-curricular activities
- Internships and volunteerism
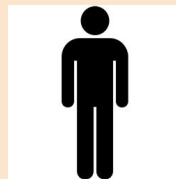- 21st Century Employment Skills
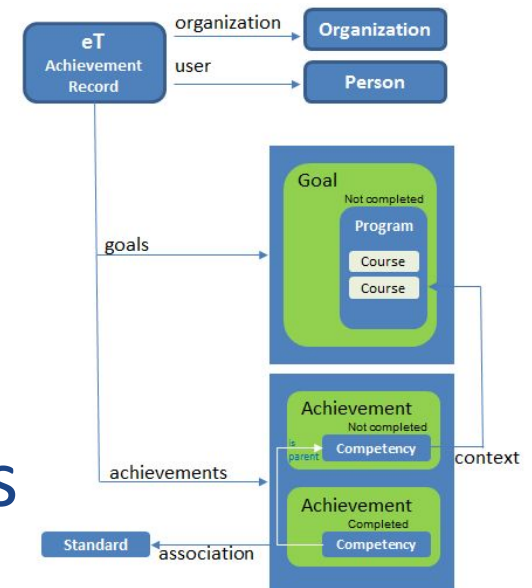
Three eT Project Phases

Phase I

- Design an eT achievements record
- Share with learners through engaging web displays

Phase II

- Connect achievements with employers through secure, anonymized candidate search

  SkillsCenter™

We are here

Phase III

- Provide learner with their own portable Personal Achievement Record in a secure, open form

eT Phase I
Was a Big Success

University of Maryland University College

FRAMEWORK FOR EXTENDED TRANSCRIPTS: PILOT IMPLEMENTATION & RESULTS (APRIL 2017)

Authors: **Joellen Evernham Shendy**, Associate Vice Provost & Registrar, University of Maryland University College, and **Insiya Bream**, Assistant Vice Provost, Registrar Strategic Operations, University of Maryland University College

At University of Maryland University Colleg[...]
focuses on building a student's competen[...]
connections between the learning and exp[...]
UMUC's Graduate School programs, includ[...]
Cybersecurity programs, implemented the [...]
learning model, UMUC realized that the do[...]
learning would need to change as well. Tel[...]
in order to share the story effectively. For y[...]
universally issued student transcript does [...]
is insufficient in providing evidence that he[...]
potential fit for an organization.

EXTENDED TRANSCRIPT PILOT

43% of users in the pilot accessed the Extended Transcript

70% of users surveyed found the Extended Transcript content useful

84% recommended an Extended Transcript learner record for all students

Click here for article on IMSGlobal.org

Phase 1 of eT produced a standard file that supports courses, competencies and co-curricular achievements displayed to learners via a rich, engaging web experience with 'clickable' access to evidence of learning.

UMUC
University of Maryland University College

Bill Gates
Learner id: 00023451
Status as of: 11/21/2016

EXTENDED TRANSCRIPT ⓘ

This is a prototype and is not intended for official use.

MASTERS OF BUSINESS ADMINISTRATION

Demonstrate diversity and inclusiveness in a team setting.

[In-Progress] [Evidence (1)]

- Demonstrate respect for the differences that gender, race, culture, ethnicity and worldview may lend to others' perspectives.
- Foster a network in which each team member has an equal voice.
- Solicit and incorporate multiple and diverse viewpoints into team work.
- Work cooperatively and respectfully with a diverse group of people to achieve project goals.

Identify and analyze new opportunities.

[In-Progress] [Evidence (1)]

- Articulate opportunities and analyze their impact on organizat...
- Evaluate an organization's readiness for change.
- Evaluate the external and internal environment of an organiza... the organization.

Team Narrated PowerPoint Presentation

Exceeds Performance Requirements ✓
Sep 8, 2016

Evaluate the information in a logical and organized manner to determine its value and relevance to the problem.

[In-Progress] [Evidence (3)]

🖶 Print

UW flexible option
UNIVERSITY OF WISCONSIN SYSTEM

UW Colleges

Tasha Walton Fictional student
Status as of: 05/05/2015

COMPETENCY RECORD ⓘ

This is an official transcript.
Learner information is guaranteed unaltered from the source.

BACHELOR OF ARTS
Associate Of Arts & Science

PSY 202 - Introductory Psychology   Semester: January 2015   Credits: 3   Grade: A

Competencies (6 complete, 6 total)

- Explain the basic methods of research used by psychologists and the reasons for these.   Mastery
- Apply knowledge of physiology to human abilities and limitations.   Mastery
- Apply basic concepts from development, personality, and social psychology to real-life situations.   Mastery

More...

BIOL 141 - Heredity   Semester: April 2015   Credits: 3   Grade: B

Competencies (14 complete, 14 total)

- Describe genetics as a discipline.   Mastery
- Explain the role cell components, cell division, and stem cells play in cellular reproduction.   Mastery

Order A Transcript   🖨 Print

UW Extension used the eT pilot to design their next generation student portal which will be implemented in the fall of 2017.

Note that UMUC presents a competency-based form while UWEX is course based, supported with the same eT record design.

Images used by permission of IMS members University of Maryland University College and University of Wisconsin Extension.

Lessons Learned in Phase I

The benefits of an extended transcript (eT) are obvious to learners. 84% of survey respondents recommended eT for all students.

However, administratively, organizing the eT data was a challenge. In most institutions, **no one system contains all of the necessary data** to produce eT. A new institutional strategy is needed for **achievements management** in learning organizations

Specific Issues

- Student information systems (SIS) do not supporting competency based curricula, but do support course based achievements
- Competencies are stored in separate systems or spreadsheets
- Records of mastery and evidence of learning emit from a learning management system (LMS) and assessment tools
- Separate or external systems manage internships, volunteerism and co-curricular activities

The varied sources of achievements data must be organized in a strategic institutional **system of record for achievements**

eT Achievements Record Standard

Knowledge, skills and achievements earned by students represent **valuable assets** that the learners want to share with the outside world

Data is buried in proprietary databases and other sources which cannot support a scalable ecosystem of credentials

These **systems need to interoperate**, each to contribute to a learner's achievement record
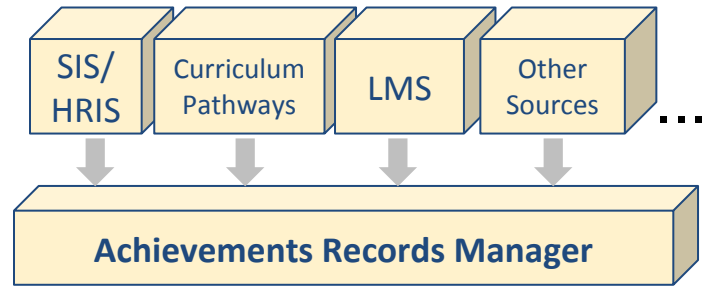
eT Achievements Record Store

Data is collected from a wide variety of systems sources

SIS/HRIS · Curriculum Pathways · LMS · Other Sources · ...

Including badging systems, ePortfolios, internship systems and external sources

The output of this process is a data store of eT standard achievement records reflecting a learner's knowledge, skills and abilities

Achievements Records Manager

Achievement records are not limited to formal education providers. Employers can host eT achievement stores

The eT ARS is the **organization's system of record** for credentials and skills-searching activities

Badge Issuance

Skills Search

eT Achievements Record Store

Knowledge, Skills and Achievements in Standardized, Searchable Form

- Courses, Competencies
- Co-curricular achievements
- Internships, Volunteerships
- Certificates, Micro-credentials
- Diplomas

IMS is providing an **open source API** to publish eT records

Phase III will provide a secure, digital **Personal Achievements Record** to the Learner

Evidence Files

Assessments

Through the use of linked data (json-ld), supporting documents and evidence of learning can be readily associated
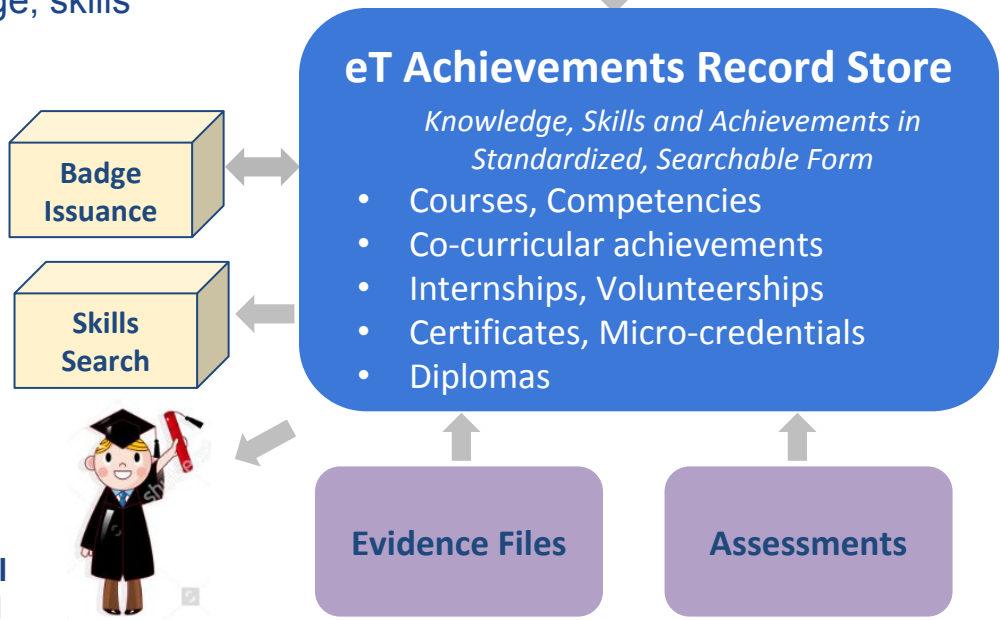
SkillsCenter Search™

Web-based **employer recruiting platforms** are granted **controlled access** to the institution's SkillsCenter via an endpoint (URL), making eT-based achievement records **searchable**. **Students opt-in to the program**. Personally identifiable Information is blocked from access until the student accepts with recruiter's contact request.

Credential Engine(C) Aligned

Credential Registry

Learning Organization

Achievements Records Manager

eT Phase I Student's Achievement Display

Web-based Employer Recruiting

Optional BlockCerts™ Verification

Machine-based Talent Mining

Organization's Secure Firewall

Anonymous Search API

eT Achievements Record Store

Knowledge, Skills and Achievements in Standardized, Searchable Form

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Evidence Files

Assessments

Issued credentials can also be recorded in a permanent ledger using BlockCerts™ and subsequently verified for validity and trust, critical for high stakes credentials.

The eT SkillsCenter spec and APIs are free and support each institution's mission to help their students find employment using secure, 21st century methods.

Frequently Asked Questions

Is the Achievement Records Store Limited to Educational Institutions?

No, the issue of achievement records creation and management is present in learning organizations of all kinds including employers.   HRIS and corporate training systems are expected to provide inputs to an employers' ARS

How does eT relate to Credentials Engine?

IMS is an active supporter of the Credential Engine and is represented on the CE technical advisory committee.

Credential Engine[(c)] is a registry of organizations' offered credentials, a bachelor of arts degree, or certificate, or even an open badge class - essentially a 'catalog' of available credentials

eT is a data standard for an institution's learner achievements records. When institutions register the related credentials in the CE, the learners' achievement records will automatically link to the central registry

Is the eT Achievement Records Store a Centralized Repository?

No, the envisioned model is totally decentralized, with each organization maintaining independent record stores

Of course, organizations may use commercial products or services to host their ARS (and that is the expected path to scalability and adoptions)

When the standard achieves final status, open source API's are made available from IMS for free use by all

What is IMS' Role?

IMS is a non-profit organization committed to improving education through technology. A member-funded consortium, IMS members volunteer their time to advance important projects for the education community

Once an IMS standard is final, it is released as open source for free use by all. To achieve final status, proposed standards must first go through real life trials such as this project

Not a member?

Click here to find out how to join.

Phase III

Personal Achievement Records

Personal Achievement Records

Learners need unencumbered access to their digital credentials (badges, micro-credentials and eTranscripts) to store in a personal "folio"

No controlling system should be required to collect, store and secure a copies of one's credentials

Systems to allow custom presentation and sharing will continue to develop in the market
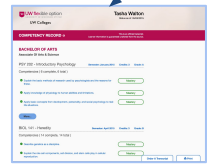
Personal Achievements Folio

Badge Issuer

Badge Issuer

Institution

Institution

Employer

Digital **P**ersonal **A**chievement **F**olio

Manage Digital Credentials
- Badges
- Micro-Credentials
- eTranscripts

PAF - A simple, lightweight specification supporting owner's identity and security

Save/Manage

Dropbox

OneDrive

Google Drive

Folio Management Platforms will support self-curation, employment search and discovery

Extended Transcript Achievements Record Store Standard