

ESUCC

Technology Committee Meeting

Wednesday, April 13, 2016, 10:00 AM

Technology Committee Meeting Educational Service Unit No. 3 6949 So. 110th Street LaVista,  
NE 68128 DL via Zoom: 1, 3, 6, 7, 9, 10, 13, 18, 6949 South 110th Street, LaVista, NE 68128

Attendance Taken at 10:02 AM.

Bell ESU 10:	Absent
Fisher ESU 04:	Present
Jeff West (NE):	Present
Dr Kraig Lofquist:	Present
Shoemake ESU 06:	Present
Uhing ESU 01:	Absent
Ted DeTurk (ESU 02):	Absent

1. Call to Order

2. Roll call

3. Agenda Item

3.1. Tech Plan

3.1.1. K-12 Federation Update

3.1.2. Single Sign On Update

3.1.3. Approve Statewide Learning Object Repository (LOR) as recommend by the  
LOR committee

3.1.4. Tech Plan Progress Update

3.1.5. Back-up Solutions RFP

3.2. IMAT Special Project Funds Proposal

3.3. IMAT - New Acquisitions Proposal

3.4. Staff Reports

3.4.1. Scott Isaacson

3.4.2. Beth Kabes

3.4.3. Rhonda Eis

4. Next Meeting Agenda Items

5. Executive Session

6. Adjournment

{{Name: Agenda Item Name}}

{{Discussion: Agenda Item Discussion}}

{{Comments: Agenda Item Comments}}

{{Actions: Agenda Item Actions}}

# ESUCC: Progress Update

## *K12 Federation – Who is the K12 Federation?*

***K12 Organizations who serve K12 districts (Operators).***

***Collaborating to provide answers to K12 technology problems.***

***Working together, utilizing our strength in numbers.***

- An operator may be an individual school district, regional providers, state agencies or collection of districts that provide technology services to K12 districts.
- An operator may be a trailblazer in one or more technology services they provide, including infrastructure, SaaS, professional development, reporting, purchasing, and the like.
- The founding operators of the K12 Federation includes an individual school district, one statewide agency, one regional state agency, and a school district cooperative. Each are autonomous and contributing to a common cause that benefits their respective missions.



Founding  
Operators

# ESUCC: *Progress Update*

## *K12 Federation – Mission and Vision*

### **Mission**

The mission of the K12 Federation is to bring together a community of interest and expertise to share ideas, resources and innovate for K12 by K12

### **Vision**

The vision of the K12 Federation is to establish a community of operators whose shared knowledge, expertise and resources mitigate the cost, complexity and risk of implementing and supporting educational services such as, but not limited to, identity, rostering and access management systems in the emerging digital ecosystem.

# ESUCC: *Progress Update*

## *K12 Federation – How it will work*

- Operators come together around shared needs and vision
- Through MOUs and contracts, these operators share software assets, services, expertise, funds, projects, grant partnerships and other items of value
- Working together, groups of operators contribute development work, enhancements and new items of value to the community, multiplying the impact of the individual investments and enhancing software and other assets for everyone
- The K12 Federation story of collaboration and success will be communicated nationwide by team members through existing conferences and meetings.
- New members will enhance the community of collaboration
- The K12 Federation will be funded by membership fees, usage contributions based on value of shared assets, and at first, philanthropic contributions
- Self-sustainability is projected by 2019

# ESUCC: *Progress Update*

## *K12 Federation – Shared Assets Examples*

- Single Sign-On and Portal
  - IlliniCloud: Contributor
    - \$190,000 Value
  - Nebraska: Contributor and User
    - \$86,000 Value (NDE/ESUCC)
- SRS
  - Nebraska: Contributor
    - Approximate Value: \$2,000,000
  - IlliniCloud: User and Contributor (Research/Development)
  - Rogue Wave Software: Contributor (Zend Framework Holder)
- Coop Marketplace
  - Nebraska: Contributor
    - 20 plus years of Development
    - Approximate 5 year Value: \$600,000 (Software Contract)
- Ed-Fi Data Model
  - Nebraska and New York: Contributor
  - Nebraska Approximate Value: \$2,100,000
  - New York Approximate Value: ???

## LOR Sub-Committee Recommendation for ESUCC

March 9, 2016

Below are descriptions that comprise the combined solution recommended by the LOR-Subcommittee.

There are currently three options available to deliver content to school districts in Nebraska, that are either already licensed or free to access.

- **Learn360**
  - **Cost:** within the current IMAT Learn360 contract that is through end of 2018
  - **Features:**
    - Currently hosts Nebraska Statewide content
    - Subscribed content
    - Uploading of custom content
    - Streaming delivery of content
    - Custom web channel
    - User management including playlists, custom segments and folders
    - Subscription content aligned to NE standards
    - Single Sign On Integration supported
  - **Implementation:** Currently implemented statewide to participating ESU's
  
- **Illinois Shared Learning Environment (ISLE) Open Educational Resources (OER)**
  - **Cost:** free to join Illinois system, to host local video or have a "Nebraska instance" there would be associated costs
  - **Features:**
    - Capacity to link Nebraska Statewide content
    - Uploading of custom content (*does not stream video*)
    - Open access to career and education resources
    - Creation and sharing of libraries and collections
    - Are willing to include to Nebraska standards
    - Users may organize, share and rate resources
    - Single-Sign on Integration supported
  - **Implementation:** Currently can join Illinois Cloud, or/and start development for Nebraska version through provided open source software.
  
- **Amazon Inspire (DOOR) - available Fall, 2016**
  - **Cost:** free
  - **Features:**
    - Uploading of user created custom content (*does not stream video*)
    - Open content and creative commons resources
    - Powerful search engine for resources
  - **Implementation:** TBD (Nebraska to pilot the program)

Full Descriptions of the products can be found at <http://bit.ly/1UF9hdG>



The final product will be in the form of a website (possibly a tab on the ESUCC website). At this time a website will be most accessible to ALL teachers throughout the state. This can be an icon or item in the portal system also.

During the workshops all input will be through a Google form that will feed into our spreadsheet that will be used to build the website. The form will collect the tagging meta data, the standard correlation, the resource link, the rigor of the resource and possibly other pertinent data.

The vision at this point is to have a list of the Math standards, where a teacher can click on the standard to get to the indicators. Click on an indicator and they will get three great digital resources that can be then used in a LMS, in a teacher's PPT, in Google Classroom, etc. Anyway the teacher plans to distribute content to their students.

Points to be decided yet:

- How to break up the Math standards? – meeting with Deb Romanek and Cory Epler on April 14<sup>th</sup> to discuss this.
- How will we recruit teachers? – also to be discussed with Deb & Cory
  - Create a flyer to advertise and sell this process and product.
  - Have ESU Math folks push the call to be a part of this out to Math teachers.
- Design the Zoom/webinar that all participants will be a part of on May 26<sup>th</sup> in order to explain the purpose and process so when we meet on sites in June work may begin directly.

# Technology Committee Update

*Scott Isaacson*

April 13, 2016

## Statewide Technology Plan

### Nebraska Cloud Infrastructure Support

The purpose of this effort is to seek the best way of providing statewide technology services through balancing efficiency, cost effectiveness, data protection, support and staffing. The more school districts and ESUs who approach these needs together, the more we will all be able to improve service and drive down costs. This will likely be through a continuum of services hosted locally, privately and public commodity hosting services in other areas, but the first step is determining the needs of school districts and ESUs and how they are or aren't being met now. The work at this stage is not focused on HOW to best provide services, but on what services and functions are needed statewide, and where there are opportunities for cooperation.

We continue to communicate and build awareness of this need and effort. Dave Ludwig, Beth Kabes and I visited the NATA (large district technology coordinators) meeting in March to share our plans and activities and to hear from that group about theirs. We plan to continue the dialogue with NATA.

### Server Hardware Operations

This project was considered closed, but as the operations picked up, a disk drive incompatibility was diagnosed by Thinkmate and Nexenta and they are replacing the disk drives in the SAN at the vendor's expense. This is in progress and should be completed within 2 weeks. We will then repeat our validation and return the system to production.

### Backup Service

I am drafting an RFP for backup solutions and plan to publish it later in April. The RFP will reflect that we would prefer a multi-partner solution, such as partnering with one or more ESUs on the solution.

### Single Sign-On (SSO) and App Launch Portal

Software updates continue weekly for the uPortal software through joint efforts of our project, the IlliniCloud and Unicon as our joint contractor. Craig Hicks and Andy Boell continue to be instrumental in testing and validating the software. I am installing the staging and production environments to make this live with school districts.

Twenty-six districts and ESUs are live in the production single sign-on framework for their connections to ADVISER.

I have received information from Canvas, the ISLE learning object repository, and EdReady and am beginning integration work with these applications in our SSO and portal environments.

## **Multi-State Collaboration (K12 Federation)**

Our collaborative group includes representatives from five large-scale or statewide projects. Technical, business and community work groups are producing final reports for this phase of the grant and will be preparing a multi-year proposal to continue and catalyze this work toward a self-sustaining K12 Federation.

## **LMS**

Conversion work continues for districts onto the Canvas and Schoology systems. Canvas, Schoology, Blackboard Learn and Moodle (hosted by Blackboard) are all available through the COOP purchasing program. Districts representing just over 19,000 users have elected to continue using the ANGEL system this year. ANGEL support ends in 2016, and the ESUCC will be discontinuing ANGEL service as of August 31, 2016. Technical problems with ANGEL exports have been resolved with the help of ANGEL support. Districts or users continuing to experience export problems should open a ticket with our Helpdesk at [help@esucc.org](mailto:help@esucc.org).

## **ADVISER Ed-Fi Dashboard**

Pilot districts are connected to the production ADVISER environment, and early adopter phase 1 districts continue to connect PowerSchool to the ADVISER data store, with about ½ of the EAP districts connected now. The PowerSchool pilot districts have begun to roll the system out to some of their users this semester, while the early adopter districts plan to begin their rollouts in summer and fall of 2016.

## **SRS**

Mike Danahy and Wade Fruhling are working on three areas: converting legacy pages of the application to the Zend framework, developing data import and export processes for district data exchange, and responding to problem reports and application changes as needed.

We have created the first of the virtual machines for SRS in the new hardware environment to begin the process of upgrading the application from its current end-of-life hardware to the newest production environment.

## **Software Development Team from UNO**

A team of students from a UNO information technology capstone class has begun developing an account-provisioning tool this semester based on data from the ADVISER data store and accounts in directory systems that are widely-used statewide. This has been identified as a need at different levels and it is my hope we can build ongoing relationship with UNO and other universities to develop and maintain software to meet statewide needs.



## Committee Report

**PROJECT NAME:** BlendEd and Distance Ed

**PROJECT DIRECTOR:** Beth Kabes

**REPORT PERIOD:** April, 2016

### **COMMITTEE REPORT:**

BlendEd Committee continues to meet every Friday morning at 9 a.m. over zoom. Discussion items include since March:

[April 1, 2016 - NETA Presentations](#)

[March 18, 2016 - iNACOL Proposal, Pilot Kick off Debrief, NETA Presentations, BrightBytes InfoGraphic](#)

[March 11, 2016 - Pilot Kick Off, ESUCC Meeting.](#)

[March 4, 2016 - Communication, Blended Retreat, Digital Resources Course, Pilot Schools](#)

### **DEAC REPORT:**

The next DEAC meeting is scheduled for April 26.

### **OLD BUSINESS:**

NVIS –

No changes to report

BlendEd

BlendEd Kick-Off - March 14 and 15, 2016 in Lincoln and Kearney.

NROC/EdReady

NDE and Deb Hericks attended NROC Member meeting March 14-15.

LOR Sub-Committee

No meeting in March

BlendEd Communication Blast – will be sending a notice again that will include details.

### **NEW BUSINESS:**

BlendEd

Attended ESU10 Strategic Leadership: Blended Learning Session on March 16.

ESUCC sponsorship to NETA, presentation with Scott Isaacson, Dawn Ferreyra and myself was accepted.

USDLA and ISTE Proposal for NE's Blended Learning Initiative in May and June, 2016 was accepted.

Joint Imat/DEAC/TAG group – Teaching and Learning with Technology (TLT)

April 7, 2016 leadership members of the group along with Dave Ludwig and Deb Hericks met to plan the May 3, 2016 TLT meeting. Will begin with Visioning and Purpose facilitated by Rhonda Jindra from ESU1 and Jeff McQuistan from ESU17.



## Committee Report

**PROJECT NAME:** IMat

**PROJECT DIRECTOR:** Rhonda Eis

**REPORT PERIOD:** April 2016

### IMat Projects - Special Projects

- Motion was passed to form a committee to determine the cost associated with bringing in a small group of teachers, librarians, and curriculum advisers to align content with our state standards using a variety of grade level topics and to develop a plan of action for content curation workshops.
- Sub-committee members, Mary Reiman (ESU 18), Molly Aschoff (ESU 8), Kristina Peters (NDE) put together the "Content Curation Workshop Plan." *Detailed plan attached to the Technology Committee April Agenda.*
- ESUs electronically voted to bring forth the recommendation to ESUCC Technology Committee.
  - Yes: ESU 3,5,7,8,10,11,13,16,17,18,19
  - No: ESU 15
  - Absent: ESU 1
  - No Vote - not participating in Special Projects 2015-16: ESU 2,4,6,9
- **Cost for three workshops is estimated at \$10,020 or about \$800 per ESU.**

### IMat Projects - New Acquisitions

- IMat is previewing the Classroom Video On Demand (CVOD) which is a premium package available on Learn360. The package is dedicated to the high school grades with material appropriate for basic through AP courses. If purchased it would be part of the Learn360 content.
  - Cost est. \$30,000-35,000 statewide for approximately 80,000 9-12 students
  - Annual fee
  - Discussed concern about sustainability in funding - if purchased would be available as long as Learn360 subscription is active
  - Currently previewing and evaluating. ESUs will be surveyed mid-April, IF RECOMMENDED, a recommendation will be submitted for approval at the May meeting

## Media on Demand - Learn360

- IMat discussed concerns about training end users and plan to schedule trainings and/or webinars. Not only is training needed for how to use the platform but training is needed for teachers on how to use digital resources in the BlendEd classroom. Possible training times could be around PDO events or the fall NETA.
- Renewal of Learn360 (Year 2 of 3) - 2016-17 (July 1-June 30)
  - \$112,000 statewide for Year 2
  - ESUs 1,3,4,5,7,8,10,11,13,15,16,17,18,19 will renew as per current MSA
  - ESU 9 will opt back in and will renew
  - Invoiced in April/May - Cost per ESU for 2016-17

ESU	2016-17 Cost
1	\$6,356.00
3	\$14,466.00
4	\$5,235.00
5	\$4,969.00
7	\$7,152.00
8	\$6,664.00
9	\$5,878.00
10	\$10,191.00
11	\$4,691.00
13	\$6,781.00
15	\$4,528.00
16	\$5,628.00
17	\$4,053.00
18	\$11,519.00
19	\$13,889.00
Total	\$112,000.00

### NROC and Edready:

- Rhonda has added information and links to the ESUCC website for NROC and EdReady. She will continue to work with Beth and Deb to develop web pages for these services. <http://esucc.org/NROCorEdReady>

### Cooperative Purchase and IMat:

- Instructional Materials products and ideas were discussed with Craig Peterson for future statewide offerings. Recommended that a committee or sub-group work to develop specifications and evaluation of these resources for curation of content.

## **#GoOpen - Openly Licensed Educational Resources**

- [The U.S. Department of Education's #GoOpen campaign](#)
- Kristina Peters (NDE) and Mary Reiman (ESU 18) shared information from conference: "OER are teaching, learning and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use and repurposing by others. Open education resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge." - The William and Flora Hewlett Foundation
- IMat will further explore OER resources and how to promote and market them to the schools.

## **Future IMat meeting:**

- Meeting dates for 2016-17 to be confirmed following TLT planning meetings
- September 8 and 9 were cancelled. Possibly move date to after PDO (Sept 13 & 14) at ESU 3