

ESUCC
Technology Committee Meeting
Wednesday, September 5, 2018, 12:00 PM
ESU No.10, 76 Plaza Blvd, Kearney, NE 68845

Attendance Taken at 12:00 AM.

Dr Kraig Lofquist:	Present
Shoemake ESU 06:	Absent
Bill Heimann (ESU 01):	Present
Ted DeTurk (ESU 02):	Present
Gregg Robke (ESU 04):	Present
Dr Melissa Wheelock (ESU 10):	Present
Constance Wickham (ESU 19):	Present

1. Call to Order

2. Roll call

3. Agenda Item

3.1. Future Ready

3.2. DE2TAILS - Innovation Grant

3.2.1. Tech Plan

3.2.1.1. ADVISER Update

3.2.1.2. Single Sign On

3.2.1.3. Sustainability

3.2.2. SRS/AAP Technology update

3.2.3. BlendEd

3.2.4. NROC/EdReady

3.2.5. SIMPL

3.3. OER Policy - Draft

3.4. Infinite Campus - AESA "NEW" Business Partner

3.5. NNAG Notes

3.6. Staff Reports

3.6.1. Scott Isaacson

3.6.2. Beth Kabes

3.6.3. 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}}

ESU Pilots

Cohort 1

147 SCHOOL DISTRICTS

2

7

8

10

17

Cohort 2

Began in January 2018

3

13

16

Notes from the NNAG Meeting – 5/16/2018

Interregional Transport

2018-19 Interregional Transport Purchases

2 Gbps Allo Transport, Scottsbluff to Omaha; \$1,173.24/month

2 Gbps NebraskaLink Transport, Kearney to Omaha; \$1,833.00/month

10 Gbps Windstream Transport, Grand Island to Omaha; \$1,825.00/month

Internet Access

2018-19 Internet Access Purchases

25 Gbps CenturyLink (Omaha) x \$200/Gbps

25 Gbps Windstream (Lincoln) x \$860/Gbps

10 Gbps Hurricane Electric (Omaha) x \$350/Gbps

20 Gbps IX Carrier Peering (Omaha) x \$30/Gbps

10 Gbps Internet2 U.S.UCAN Peering (Kansas City) x \$0/Gbps

10 Gbps Internet2 Transit Rail Peering (Kansas City) x \$0/Gbps

Risk: Purchasing too little Internet or too much Internet

Participation Fee Budget

Nebraska Co-Location Center rack hosting must be budgeted for 2018-19, with the University as the payer.

New and revised budget line items must be presented at the May 9 CAP meeting

Risks: 2018-19 Participation Fee may increase due to additional infrastructure investments.

E-rate Statewide Consolidating Filing:

Over the next few months, several communications will go out to state ESU E-rate consultants, school superintendents, and providers in preparation for the 2019 filing year. As a reminder, last fall the State of Nebraska Office of the CIO floated the idea of consolidated filing of E-rate applications and aggregated invoicing under the State's BEN. This is for those school district and ESU circuits ON STATE CONTRACTS that connect to the Network Nebraska backbone. The impetus for this change was due to "contract privity" in that, as the contract owner for these circuits, the State has more legal resources to encourage better accountability from telecommunications providers. In addition, the Governor and the Legislature had to approve an increase in the OCIO's budget to accommodate the flow-through for the billing and invoicing that will occur as part of this process. All the of the lights are green now to move forward with consolidated filing for E-rate discounts and aggregated invoicing in the 2019 filing year. It's important to remember that this will be an "opt in" process on the part of every administrator wanting to participate for 2019-2020, thus requiring a permission form be returned to the OCIO.

Spark Grant

2018-19 IMLS Sparks Grant of \$25,000 to the Nebraska Library Commission and OCIO will involve **Bancroft, Genoa, Imperial, Verdigre, Wymore** public libraries and the local public school districts

Additional background info as to why the Office of the CIO partnered with the Nebraska Library Commission to submit the Sparks Grant:

About 15% of Nebraska's public K-12 students have no Internet at home, or Internet so slow or unreliable that they are not able to carry on digital learning activities (~45,000 students = "Homework Gap")

Notes from the NNAG Meeting – 5/16/2018

Many of these students go home with a school district-owned device, many of them Chromebooks, which require a constant Internet connection.

Public libraries are the one place where students and parents can go to get publicly available Wi-Fi, and every evening, cars appear in the local public library's parking lot to try to gain at least some Wi-Fi access to check e-mail, research, do homework, order online products, and apply for jobs.

But, 82% of these public libraries have Internet speeds lower than 25Mbps (FCC minimum definition for household broadband), and 68% are at or lower than 12Mbps, which makes the parking lot Wi-Fi experience less than desirable

Within 2 miles of almost every rural public library sits a school building that is connected by fiber to Network Nebraska and capable of Internet speeds from several hundred Mbps to over 1,000Mbps

In the vast majority of these rural communities, the public school district and the public library have never discussed any infrastructure or Internet sharing

Free to the libraries for 2018-19. 2019-20 they would come one Network NE as a partial member. 12 step process to be accredited through the library commission.

GlobalNOC

Recommendation - Scott Jones moved, and Mike Carpenter seconded, to preserve the Hurricane Electric 10Gbps purchase for \$42,000 for 2018-19, and to allow a spending authority of up to \$75,000 to purchase GlobalNOC network monitoring tools for 2018-19, and to be cost recovered using 1-2 major cost centers of Network Nebraska. Solarwinds is kept as well - \$6,400 picked up by UNL.

Scott Jones moved, and Mike Carpenter seconded, to preserve the Hurricane Electric 10Gbps purchase for \$42,000 for 2018-19, to retain SolarWinds software, and to allow a spending authority of up to \$75,000 to purchase GlobalNOC network monitoring tools for 2018-19, and to be cost recovered using 1-2 major cost centers of Network Nebraska.

9 YES, 1 NO, 0 NOT VOTING, Motion passes

NNAG Notes from July 2018

Training Opportunities:

- State Cyber Security Conference on Thursday, Sept. 27, 2018; 8am-4pm: <https://www.southeast.edu/ncsc/> (all education employees can register for \$79, regardless of .edu e-mail address, says Lora Ives, SCC)
- SPECIAL Dept of Homeland Security Cyber Security Review Workshop for K-20 technical staff on Friday, Sept. 28, 2018; 8am-12pm (at Doane University-Lincoln Campus, more info to come)

Recommendations:

- Interregional Transport Fee

2015-16	\$ 22.12	\$ 70.39	285	(ESU 3, 5, 6 Aggregations)		
2016-17	\$ 21.49	\$ 67.16	291			
2017-18	\$ 17.72	\$ 53.70	291	(State RFP 5562)		
2018-19	\$ 12.46	\$ 23.55	292	(Backbone Project +\$7/month)		

- Participation Fee - No Change
- Zoom Video Conferencing - No Change
(2018-19 Zoom annual cost = \$4.50/license + \$499/CRC port/ + \$499 Zoom room or \$6.50 each)

NN Cost Recovery Rates for 2018-19

The NNAG, OCIO, ITS-UNL and the Collaborative Aggregation Partnership (CAP) have reviewed the network revenue and expenses for the coming year and are prepared to announce the 2018-19 rates, which will take effect with the August 2018 billing:

REQUIRED

Network Nebraska 1.0 Participation Fee	Number of Entities
\$217.03/month/entity (≥ 41Mbps)	291 entities

Network Nebraska .25 Participation Fee	Number of Entities
\$54.26/month/entity (≤ 40Mbps)	5 entities

Network Nebraska 1.0 Interregional Transport Fee (>41Mbps)	Number of Entities
\$12.46 /month/E-rate entity	270 entities
\$23.55/month/non E-rate entity	21 entities

Network Nebraska .25 Interregional Transport Fee (<40Mbps)	Number of Entities
\$ 3.12/month/E-rate entity	2 entities
\$ 5.89/month/non E-rate entity	3 entity

SUBSCRIPTION SERVICES

Network Nebraska Internet Access Unit Charge	Number of Entities
\$.2200/Mbps/month for blended Internet (E-rate entities)	18 entities
\$.7000/Mbps/month for CenturyLink/Windstream Internet (non E-rate entities)	23 entities
\$.0355/Mbps/month surcharge for all entities for Peering Services	40 entities

Technology Committee Update

Scott Isaacson

September 5, 2018

Work Priorities

1. AAP & SRS Code Upgrades
2. Complete single sign-on (SSO) software and app launch portal software updates
3. Integrate additional applications with the SSO framework
4. Develop future hosting recommendations
5. Invent future data ecosystem features

DE²TAILS Project Plan

A link to the live project plan is available here:

<https://app.smartsheet.com/b/publish?EQBCT=0b7ad9d3aaa1499b8cbf9009b62ad07c>

Technology Infrastructure

Data Privacy and Security Policies

A meeting will be scheduled with the NDE legal team to agree on questions of data ownership. The goal is to develop aligned policies through districts, ESUs, ESUCC and NDE.

The Future Ready Council Data and Privacy team has developed near-term goals of assessing needs and gaps in data privacy and security and then developing resources and supports to address those. These may take the form of template policies, best practice documents and professional development opportunities to address areas of focus.

Hosting Infrastructure

The NOC hosting and sustainability work group is evaluating options for future hosting needs. Options for hosting include an in-state approach cooperating among ESUs or commercial providers. Evaluation of Amazon Web services hosting is in progress. Microsoft Azure, Google and in-state options will follow.

Single Sign-On (SSO) and App Launch Portal

As of September 5th, 248 districts and ESUs are listed in the production single sign-on framework. The Adobe Creative Cloud statewide buy has added some usage of the framework, including some ESUs to consider serving private schools in their areas. The Innovation grant includes work to enhance the portal and single sign-on experience. Updated portal software is in final development and will be rolled out during the fall of 2018. The current integrations with the SSO framework include:

App Launch Portal - <https://portal.nebraskacloud.org>

EdReady - math and english college readiness and credit recovery

NVIS - catalog of distance education courses

SIMPL - ESU service planning
SAS Curriculum pathways
TestWiz - customized formative assessment
OERCommons - Nebraska OER content
ADVISER data dashboard
Moodle
Learn360 - subscription content repository
Google G-Suite
Visual Thesaurus
Hippocampus

Software which requires a paid license:

Adobe Creative Cloud
Canvas
Houghton Mifflin Harcourt
MyVRSpot
World Book
Overdrive
Follett Destiny
Office 365
Powerschool
PowerTeacher

SRS and AAP

This year, focus is on modernizing software further to incorporate and accomplish the 5-year plan being developed by the SRS advisory committee. A major update was rolled out on August 7, 2018. The team has been working on high priority fixes based on user experiences and reports, and on the completion of the Zend 3 conversion work by December, 2018. We will be providing smaller, more frequent updates of the software to avoid large changes which disrupt users.

ADVISER

As of September 5th, less than 10 districts are publishing SIS data into the ADVISER operational data store (ODS) because the SIS vendors (PowerSchool, Infinite Campus, JMC, etc.) have just released software updates to allow publishing data for 2018-19. All vendors have plans for additional updates in September to allow districts to complete student data publishing.

Council for a Future Ready Nebraska

The full council met in Kearney in July, and work continues toward the goals of the digital learning plan. Of note is a plan to simplify technology plan/profile reporting and make the data more accessible and useful. 2018-19 will feature a simpler technology profile and

enhancements to follow in future years as needs are better defined. The web site for Future Ready Nebraska is available at <https://www.education.ne.gov/future-ready-nebraska/> From the vision document: “The Future Ready Nebraska Council provides intellectual and practical insights toward the development of Nebraska’s Digital Learning comprehensive plan for PK-12. This digital learning plan will build a coherent long-term strategy that sets directions and priorities, supports innovation, and provides resources to enable Nebraska educators and students to benefit fully from digital-age teaching and learning.”

The Future Ready framework is helpful in discussing technology planning and useful for the council to discuss priorities in 7 areas:

- Curriculum, Instruction, and Assessment
- Use of Space and Time
- Robust Infrastructure
- Data and Privacy
- Community Partnerships
- Personalized Professional Learning
- Budget and Resources

Learning Management Systems

Work is in progress to evaluate a potential statewide solutions for LMS. While continuing the current marketplace approach to LMS, evaluation of the open source Canvas software in New Mexico is in progress. ESU 19 is evaluating the system and may pursue implementing it for advanced users later in the 2018-2019 school year. Contracts between ESU 19, ESUCC, and RESPEC (the New Mexico implementer) may come before the ESUCC board this fall to facilitate this deployment.



Committee Report

PROJECT NAME: BlendEd and Distance Ed

PROJECT DIRECTOR: Beth Kabes

REPORT PERIOD: September, 2018

COMMITTEE REPORT:

BlendEd Committee meet on Fridays at 9 a.m. over zoom throughout the months of May, June, July and August. Discussion items include:

[August 24, 2018 - Cohort 1 Recognition, NCSA, Future Ready, PDO](#)

[August 17, 2018 - Upcoming planning](#)

[August 10, 2018 - Salesforce.org, Regional Admin, Devices for recording](#)

[August 3, 2018 - Leveling up blended learning](#)

[July 27, 2018 - Trello, BlendED Trainings recap](#)

[July 13, 2018 - BlendED trainings, CK12](#)

[July 6, 2018 - UDL, Highlander, Admin Days](#)

[June 30, 2018 - The New Art and Science of Teaching](#)

[June 22, 2018 - Comparing year1/year2](#)

[June 1, 2018 - no meeting](#)

[May 18, 2018 - Individualized PD, OER,](#)

[May 11, 2018 - ESUPDO](#)

BLENDED:

Pilot

- Have not visited any sites to date. Crete is September 10, Bancroft-Rosalie/Wisner-Pilger on September 18, Laurel-Concord-Coleridge is September 20, Amherst on September 26 and Humphrey on September 27.
- ESU Coaches Monthly Meetings 1st Monday of each month
 - [August 6, 2018 - Link to Recorded Meeting](#)

- [July 2, 2018](#)
- [June 4, 2018 - Postponed until July](#)
- [May 8, 2018 \(ESUPDO\)](#)
- Cohort 2 – 2018-2020
 - BlendEd Pilot website: bit.ly/neblend
 - 15 schools/districts
 - Garden County Schools
 - Amherst
 - Fairbury Public Schools
 - Laurel-Concord-Coleridge School
 - Valentine Public School
 - Pierce Public Schools
 - Pope John XXIII Central Catholic
 - Diller-Odell Public School
 - Wahoo Middle School
 - Ogallala High school
 - Sidney Public Schools
 - Wisner-Pilger Public Schools
 - Howells-Dodge Consolidated
 - Humphrey Public School
 - Crete HS
 - Plus 5 teams from Cohort 1
 - Broken Bow
 - Freeman
 - Thayer Central
 - CL Jones, Minden
 - Shelby-Rising City
- Dates that have been scheduled for Fall Regional training for Cohort 2
 - Region 1:
 - Region 2:
 - Region 3:
 - [Region 4:](#)
 - October 11--ESU 10 K-6 Support Day
 - October 16--ESU 10 7-12 Support Day
 - February 12--ESU 10 7-12 Support Day
 - February 27--ESU 10 K-6 Support Day
 - Region 5:

Nebraska Portal

- Apps added to NE portal
 - SAS Curriculum Pathways
 - EdReady
 - OERCommons
 - MyVRSpot

Open Education Resources Project

- OER Commons
 - OER Nebraska Hub: <https://www.oercommons.org/hubs/nebraska>
 - Implementation Team Meeting notes
 - BlendEd resources are being populated on the site
 - (Search for blended learning and ESUCC as tags)
 - Population NDE State Standards are up to date
 - Dorann Avey worked with PE teachers over the summer
- Have a breakout session as part of ESUPDO in September, 2018
- Beth was asked to be present for KSB Webinar on Copyright on September 18, 2018

Promotion and Professional Development of BlendEd

- Planning Regional Leadership meetings with NCSA, NDE and ESUCC
 - Will be on the agenda for NCSA Elementary Principal Executive meeting on September 24.
 - Communicating with Regional Principal Presidents to be either added to agendas or to consider a separate date
- TLT Special Project Proposal – sponsored by Nick Ziegler, Crystal Hurt, Tina Sauser, Eileen Barks

DISTANCE EDUCATION:

- Developing a scope of work for NVIS updates. Will send to Nate M when done for suggested cost.
- DEU Applications received by NDE as of 7/19/2018
- Planning for Content Providers Workshop on November 6, 2018 in Lincoln.
- From SuAnn Witt
 - A total of about 750 DEUs and 67.50 Elementary course hours were submitted this year.
 - Available funds allowed for an allocation of approximately \$718.00 per DEU, leaving no funds available for elementary hours.
 - Notification letters will go out before the end of August and funds automatically deposited in district accounts by end of September.
 - There are two application years remaining in statute - 2018-19 and 2019-20. Application year 2019-20 will be the last year that Distance Ed Incentives can be awarded under current statute. During the 2019 legislative session funds in this statute will be re-determined for 7/1/2020 implementation.
- Website for resources and current information for DL

ESUPDO:

- OER was requested to present a break out for PDO

AESA:

- Dave and Beth submitted a proposal on BlendEd to AESA 2018 Conference.



PROJECT NAME: BlendEd Projects – Instructional Materials

PROJECT DIRECTOR: Rhonda Eis

REPORT PERIOD: September 2018

Open Education Resources Project

Nebraska OER Hub: <https://www.oercommons.org/hubs/nebraska>

Nebraska OER Information: [Group link](#)

Updates:

- SSO is working - new users can log in – create account through Nebraska Cloud Portal
- KSB School Law has drafted a policy for OER Copyright, incorporating the Creative Commons licenses, that can be adopted by ESUs and districts once finalized and approved by the Board. See Executive Committee agenda for link to proposed policy.
- Nebraska Academics Standards populated on hub: Math, Science, ELA, Social Studies, PE
- Dorann Avey (NDE) – past and future work with teachers
 - PE teachers met over the summer for training, more work with group scheduled September 19th and 20th to vet and build collection.
 - NDE will begin training with Family and Consumer Science teachers starting in October, with plans to have vetting and curation work for this group later on.
 - NDE has plans to work with Science teachers as funding becomes available.
- Breakout sessions are scheduled as part of ESUPDO in September 2018
- OER Advisory Team will be meeting during PDO to begin work on a long term OER Strategic Plan

Instructional Materials - Nebraska Licensed Titles

382 titles with active licenses

- 46 titles expire in 2019
- 92 titles expire in 2020 (includes the Magic School Bus and Bill Nye Collections)
- 244 titles with lifetime rights (copyrights dates range 2005-2013)
- 68 titles expired on August 31, 2018

Learn360

Subscription renewed for new term of September 1, 2018 – 2019 for ESU 1, 3, 4, 5, 7, 8, 9, 10, 11, 13, 15, 16, 17, 18 and 19. Statewide cost is \$119,000. Student count did increase from last year for the licensed schools and went over 280,000, but Learn360 waived the cost for additional students. ESUs will be billed in October.

Learn360 - Statewide Usage Report – July 2017- June 2018

ESU	Logins	Searches	Core Video Views	Core Video Downloads	Non-Video Views*	Custom Content Views	Web Channel Views
1	2,414	2,846	3,703	54	20	85	47
2	1	2	0	0	1	0	0
3	8,679	12,221	12,001	306	228	1,325	76
4	1,686	2,660	3,264	9	155	91	19
5	915	786	1,154	2	10	17	5
6	1	2	0	0	0	0	0
7	2,701	1,215	3,719	156	708	11	19
8	3,506	3,223	4,670	64	101	218	68
9	1,739	1,748	2,339	155	27	38	20
10	2,758	3,642	3,933	25	460	40	143
11	1,124	1,681	1,710	5	106	18	8
13	2,730	2,037	2,731	39	125	42	22
15	508	472	538	11	14	7	7
16	2,214	3,365	2,763	115	72	319	59
17	2,866	2,738	3,863	20	113	202	56
18	104,866	74,826	193,173	452	3,335	22,937	827
19	11,076	16,350	13,433	577	152	1,642	199
CC	1,068	727	947	7	50	106	5
Totals	150,852	130,541	253,941	1,997	5,677	27,098	1,580

Learn 360 Statewide Usage - Three-Year Comparison

	2015-16	2016-17	2017-18
Core Video Views	121,508	295,746	253,941
Core Video Downloads	1,879	1,765	1,997
Custom Video Views	2,535	18,881	27,098
Custom Video Downloads	137	0	0
Web Channel Video Views	34	1,014	1,580
Non-video Views *	1,652	1,425	5,677
Logins	101,180	92,365	150,852
Searches	61,899	120,825	130,541

*Non-video items are Audio, Images, Interactives, Articles and Printable Resources.

Upcoming TLT Meeting and Training

September 13th @ 9:00 AM – 3:30 PM – TLT Meeting @ ESU 3

November 7th & 8th Training - The Keys to Empowering Teachers with Dr. Rich Allen

2018-19 TLT Leadership Team

- Co-Chair - Eileen Barks, ESU 2
- Co-Chair - B.J. Peters, ESU 13
- Co-Recorder - Katie Morrow, ESU 8
- Co-Recorder - Shara Johnson, ESU 2
- Co-Representative - Peg Coover, ESU 10
- Co-Representative - Nick Ziegler, ESU 5
- ESU Coordinating Council - Beth Kabes
- ESU Coordinating Council - Rhonda Eis
- Nebraska Department of Education - Dorann Avey