AGENDA
NEBRASKA INFORMATION TECHNOLOGY COMMISSION
Varner Hall - Board Room
3835 Holdrege Street
Lincoln, Nebraska
Friday, July 14, 2023
10:00 a.m. CT

I.   ROLL CALL; MEETING NOTICE; OPEN MEETINGS ACT INFORMATION

II.   PUBLIC COMMENT

III. APPROVAL OF MARCH 10, 2023, MEETING MINUTES *** *(Attachment III)*

IV.   REPORTS

    A. EDUCATION COUNCIL *(Attachment IV-A)*

        1. Approval of membership nominations. ***
        2. Digital Education and Network Nebraska updates.

    B. GIS COUNCIL *(Attachment IV-B)*

        1. Approval of membership nominations. ***
        2. GIS update.

    C. COMMUNITY COUNCIL *(Attachment IV-C)*

        1. Digital Equity planning update.

    D. eHEALTH COUNCIL

    E. TECHNICAL PANEL

        1. Technical standards and guidelines.
            a. Proposal 30. Repeal the enterprise content management standard. *** *(Attachment IV-E-1-a)*
            b. Proposal 31. Amend provisions of the Information Security Policy. *** *(Attachment IV-E-1-b)*
        2. Enterprise projects. *(Attachment IV-E-2)*
            a. Enterprise project status dashboard report.
            b. Designate the following projects as enterprise projects pursuant to NITC 1-206:
                i. Office of the CIO: Kronos Transition to UKG Dimensions Project. ***
                ii. Nebraska State Patrol: Message Switching System (MSS) Modernization Project. ***

           iii. Nebraska State Patrol: Computer Aided Dispatch Project. ***

    F. CHIEF INFORMATION OFFICER *(Attachment IV-F)*

V.   PRESENTATION: OCIO PROJECT MANAGEMENT OFFICE

VI.   OTHER BUSINESS

VII.   ADJOURN
        [12:00 p.m.]

        Future meetings: November 9, 2023; March 8, 2024; July 12, 2024

*** Action item.

The Commission will attempt to adhere to the sequence of the published agenda but reserves the right to adjust the order and timing of items and may elect to take action on any of the items listed. If you need interpreter services or other reasonable accommodations, please contact the Commission at 402-471-3560 at least five days prior to the meeting to coordinate arrangements.

Meeting notice was posted to the NITC website and the Nebraska Public Meeting Calendar on June 13, 2023. The agenda was posted to the NITC website on July 7, 2023.

Nebraska Open Meetings Act | Commission Meeting Documents

Attachment III

NEBRASKA INFORMATION TECHNOLOGY COMMISSION
Nebraska Public Media - Board Room
1800 N 33rd St, Lincoln, Nebraska
Friday, March 10, 2023, 10:00 a.m. CT
Virtual Conferencing via Zoom
MINUTES

MEMBERS PRESENT:
Ed Toner, Chief Information Officer, Chair
Senator Wendy DeBoer, Nebraska Legislature
Leah Barrett, Northeast Community College*
Bret Blackman, University of Nebraska
Kirk Langer, Lincoln Public Schools
Zach Mellender, Omaha Zoological Society
Katie Niemoller, Children's Hospital and Medical Center
Dan Spray, Precision Technologies, Inc.
* Attended by virtual conferencing.

MEMBERS ABSENT:
Jim Ediger, Hamilton Telecommunications
Shane Greckel, Greckel Farms, LLC

STAFF PRESENT:
Rick Becker, NITC Administrative Manager and Legal Counsel
Anne Byers, Digital Equity Manager/ NITC Administrative Manager
Casey DunnGossin, GIS Coordinator
Becca Kingery, Education IT Manager
Lori Lopez Urdiales, Office Services Manager II
Patrick Wright, State Information Security Officer

ROLL CALL; MEETING NOTICE; OPEN MEETINGS ACT INFORMATION

The Chair called the meeting to order at 10:00 a.m. Roll call was taken. A quorum was present. The meeting notice was posted to the NITC website and the Nebraska Public Meeting Calendar on January 31, 2023. The agenda was posted to the NITC website on March 3, 2023. A virtual conferencing option was added on March 8, 2023. A copy of the Nebraska Open Meetings Act was posted on the wall of the meeting room and a link was included with the agenda. Commissioners and staff introduced themselves.

PUBLIC COMMENT

There was no public comment.

APPROVAL OF NOVEMBER 10, 2022 MEETING MINUTES

Commissioner Spray moved to approve the November 10, 2022 minutes as presented. Commissioner Blackman seconded. Roll call vote: Toner-Yes, Barrett- Yes, Blackman-Yes, Langer- Yes, Mellender- Yes, Niemoller-Yes, and Spray-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

REPORTS

EDUCATION COUNCIL

Approval of membership nominations. Ms. Kingery presented the following Education Council's nominations for new council members for approval by the NITC:
- Mr. Andrew Buker, representing Public University Representative. Mr. Buker is the Assistant Vice

President of Infrastructure Services for the University of Nebraska System. Mr. Buker brings years of leadership, expertise, and professionalism, as well as previous council experience as he has served as an active alternate for the NITC Education Council since 2018.

- Dr. Jaci Lindburg, PhD., representing Public University Representative. Dr. Lindburg is Associate Vice Chancellor of Innovative and Learning-Centric Initiatives at UNO. As Director of Digital Learning at UNO, Lindburg leads a team of instructional designers, instructional technologists, online learning specialists, and classroom technology engineers to form a robust support environment for faculty who teach online and with technology.
- Ms. Stacy Jolley, representing Nebraska Boards of Education. Ms. Jolley is currently serving on the Millard Public Schools Board of Education and has been an active member since 2018. Her drive to be impactful in her community prior to her role on various Boards is well demonstrated in her involvement as a school volunteer, a member of multiple advisory committees, and a community representative.

Commissioner Barrett moved to accept the nominations of Andrew Buker, Dr. Jaci Lindburg, and Stacy Jolley as NITC Education Council members. Commissioner Langer seconded. Roll call vote: Spray-Yes, Niemoller-Yes, Mellender- Yes, Langer- Yes, Blackman-Yes, Barrett- Yes, and Toner-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

Network Nebraska Update. The newest Network Nebraska RFP closed for bids January 17, 2023. It contained about 40 leased lit fiber circuits and about 30 Special Construction Matching E-rate Fund circuits for public libraries. Approximately 50% of the special construction sites resulted in actionable bids, which is an improvement from previous RFPs, regardless steps are being taken to promote a greater success rate for future RFPs.

Digital Education Update. Progress continues to be made in the deployment of eduroam across the state. Representatives from the University and the OCIO recently met with Omaha Public Schools to discuss deployment; likewise, the eduroam team has had discussions with Cox Communication regarding deployment on their public hotspots in the Omaha area.

Update education related action items in the Statewide Technology Plan. In June of 2022 the Education Council has reviewed and developed their goals for the statewide technology plan, an action item specific to Cybersecurity was inadvertently not included in the Statewide Technology Plan. The Education Council action items were presented to the NITC for review and approval.

Commissioner Mellender moved to approve the Education Council's revised action items for the Statewide Technology Plan. Commissioner Barrett seconded. Roll call vote: Blackman-Yes, Langer- Yes, Mellender- Yes, Niemoller-Yes, Spray-Yes, Toner-Yes, and Barrett- Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

GIS COUNCIL

Approval of membership nominations. The GIS Council voted to nominate Charlie Lucas as a new GIS Council member representing the Nebraska State Patrol. Mr. Lucas heads up the TraCS and MACH systems. TraCS was originally just the electronic citations system for NSP but has grown to host about 140 agencies on in the state using dozens of forms. MACH was NSP's Vehicle Location system and has now grown to have around 120 agencies across the state and is currently the Computer Aided Dispatch system for NSP.

Commissioner Spray moved to approve the nomination of Charlie Lucas to serve on the GIS Council. Commissioner Barrett seconded. Roll call vote: Barrett- Yes, Toner-Yes, Spray-Yes, Niemoller-Yes, Mellender- Yes, Langer- Yes, and Blackman-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

GIS update. Ms. DunnGossin provided a demonstration of NebraskaMap. NebraskaMAP is an open data site built off Esri's Hubsite (basic). This site allows agencies to share data, maps and applications with the

public and even allow for public download and use of authoritative data. The OCIO GIO team is responsible for providing access to GIS software, the portal environments, and sharing enterprise data or data that agencies want to share publicly or with other agencies. The GIO team administers and manages five different portal environments currently. The GIO team works with eleven agencies, who pay into the GIS cost rate and utilize the environments.

LB102 - Change provisions relating to the Land Surveyors Regulation Act and the Nebraska Plane Coordinate System Act. This bill was sponsored by Senator Erdman who worked with Casey Sherlock, the State Surveyor. Three of the 4 sections deal with Land Surveyor Regulations, one section redefines the Nebraska State Plane Coordinate System and was drafted in line with sample legislation provided by the National Geodetic Survey (NGS). Ms. DunnGossin was able to attend the hearing and spoke in support of the sections 11-13 of the bill, which details the update for the Nebraska State Plane. Following the hearing Casey Sherlock, the State Surveyor, spoke at the GIS Council about the datum update and how the legislation may be amended to include approval from the GIS Council in the future. As of February 24, 2023 the legislation was moved to general file with a committee amendment making GIS council the approvers of the datum.

LR370 (107th Legislature) - Interim study to examine the coordination and administration of boundary layers in Nebraska. Approximately 800 statutes were identified as needing review to identify the boundary or data steward. The goal is to have the report to the Boundary Working group for review by April 2023.

Ms. DunnGossin entertained questions from the Commission.

COMMUNITY COUNCIL

Digital Equity planning update. The State Digital Equity Planning Grant has been the focus of both eHealth and Community Council activities. An update on the State Digital Equity Planning Grant was included as part of the broadband update later in the meeting.

eHEALTH COUNCIL

Approval of membership nominations. The eHealth Council has a nomination for a new member, Robert Wagner, Chief Information Security Officer at CyncHealth. Ms. Byers asked for approval of his nomination.

Commissioner Niemoller moved to approve the nomination of Robert Wagner as a new member on the NITC Community Council. Mr. Mellender seconded. Roll call vote: Toner-Yes, Barrett- Yes, Blackman-Yes, Langer- Yes, Mellender- Yes, Niemoller-Yes, and Spray-Yes. Results: Yes-7, No-0, Abstained-0. Motion carried.

TECHNICAL PANEL

Enterprise project status dashboard report. Commissioner Langer, Technical Panel Chair, provided the report. There were no major issues to report on the following projects:
- Nebraska Regional Interoperability Network, Nebraska Council of Regions
- iServe, Department of Health and Human Services
- Financial Systems Modernization Project, Department of Transportation
- OPS Retirement Plan Management Transfer, Nebraska Public Employees Retirement Systems
- New Budget Management and Request System, Department of Administrative Services

Commissioner Langer entertained questions from the Commission.

CHIEF INFORMATION OFFICER

Review of the OCIO's consolidation project (LR406). Commissioner Toner provided a review of the information he provided to the Legislature.

Commissioner Toner entertained questions from the Commission.

BROADBAND UPDATE

Presentations on broadband in Nebraska were provided by:
- Patrick Redmond, Interim Broadband Director;
- Cullen Robbins, Public Service Commission; and
- Anne Byers, Digital Equity Manager

Commissioners were given an opportunity to ask questions and provide feedback.

OTHER BUSINESS

There was no other business.

ADJOURN

With no further business and without objection, the Chair adjourned the meeting at 12:25 p.m.

The meeting minutes were taken by Lori Lopez Urdiales and reviewed by staff.

Attachment IV-A

TO: NITC Commissioners
FROM: Becca Kingery, Education I.T. Manager
DATE: 07/14/2023
RE: Network Nebraska and Digital Education Initiative Reports

Education Council update:
The Education Council has met on one occasion since the March NITC meeting and will be meeting again on August 30. The established Task Groups have been working toward establishing paths forward to accomplish action items outlined in the Statewide Technology Plan

Network Nebraska Update:
We are preparing for upcoming RFP which encapsulates new bids for the bulk of our existing contracts (over 120 leased lit fiber circuits and all leased backbone segments). The goal is to have this RFP submitted to Procurement for release later this month to provide additional time to our participants. Further, there will be additional RFPs for internet at the Lincoln aggregation point (to be released closer to November), and another separate RFP for an undetermined number of special construction sites. The goal is to have this RFP released to Procurement in August or September, but largely will be dictated by external stakeholders. We are working closely with the Governor's office, the Public Service Commission, and the Nebraska Library Commission to do our part to connect the libraries of Nebraska.

Digital Education Update:
Participation of eduroam sits at approximately 65% of public schools in the state; likewise, there is still substantial growth potential in the non-public sphere and libraries. Earlier this year, the University executed a group connector agreement that allowed higher education partners in Nebraska to also participate in eduroam adding their students, faculty, and staff to ever-growing list of eligible end users to roam and find connectivity in over 2,500 locations in the United States and 33,000 worldwide.

**Nebraska Information Technology Commission
EDUCATION COUNCIL**

2023-25 Membership Renewals/Replacements EXPIRING June 30, 2023

HIGHER EDUCATION (2023-25 Term)

Andrew Buker	UN System	**Ted Carter Confirmation 6/21/23**
Derek Bierman	Independent Colleges & Universities	**Treva Haugaard Confirmation 6/21/23**
Paul Feilmeier	Community College System	**Courtney Wittstruck Confirmation 6/14/23**
Cheri Polenske	State College System	**Paul Turman Confirmation 6/28/21**

K-12 EDUCATION (2023-25 Term)

Dr. Ted DeTurk	Educational Service Units	**Kraig Lofquist Confirmation 6/21/23**
Trent Kelly	School Administrators	**Mike Dulaney Confirmation 6/21/23**
Stephen Hamersky	Private Education	**Msgr. John Perkinton Confirmation 7/10/23**
Matt Chrisman	Public Teachers	**Trish Guinan Confirmation 6/8/23**

2023-24 Mid-Term Replacements

Cassandra Joseph	Public Teachers	**Trish Guinan Confirmation 6/8/23**

*Underlined Candidates are new voting members to the NITC Education Council and have a brief biographical statement attached to this document

RECOGNITION

The NITC Education Council wishes to recognize Mr. Dan Hoesing, former Superintendent of Schuyler Community Schools, for their many years of service to the NITC wishes them well in their retirement.

Biographical Sketches

Paul Feilmeier
Paul Feilmeier is a highly accomplished IT executive with over 25 years of progressive experience in senior leadership positions. As Vice President of Technology Services at Northeast Community College, Paul directs a 35+ IT team and manages key relationships across the enterprise. He has developed a cloud vision strategy for the college, prioritized initiatives, and re-engaged a paralyzed technology department. He also ensured security compliance by resetting overall objectives and instilled a culture of open communication to drive continuous improvement. Previously, as IT Director at Faith Regional Health Services, Mr. Feilmeier provided senior leadership and strategic direction for enterprise information technology. He built a revenue-generating IT organization, established an efficient and scalable IT business model, and transformed the IT culture into a proactive, revenue-generating department with increased employee engagement every year. He also oversaw the successful organization-wide implementations of EMR program (Epic) and ERP cloud solution (Infor), consolidating multiple systems into a single unified system.

Cheri Polenske
In April of 2022, Cheri Polenske joined the Nebraska State College System (NSCS) Office as the Chief Data Officer (CIO). She is responsible to provide the vision, and strategic, tactical, and operational leadership necessary to ensure that the System Office has the resources (infrastructure and services) and technology solutions to optimize its performance and alignment with the strategic and operational goals of the System. Ms. Polenske works closely with the Nebraska State College CIOs, Campus leaders, and System Office Staff to align IT resources and initiatives to support the NSCS strategic goals and the educational needs of Nebraska. During her career, Ms. Polenske has also worked for the University of Nebraska serving as the Assistant Vice President of Enterprise Services, and several leadership roles in their Student Information System Division. Ms. Polenske brings a wealth of knowledge and experience, as well as a drive for continuous improvements. Ms. Polenske has also been an active alternate on the NITC Education Council, holding an active role on the Cybersecurity task group.

Cassandra Joseph
Cassandra Joseph has been educator in the states of Texas and Nebraska for over 30 years; most recently been teaching middle school mathematics at South Sioux City for the past 23 years where she has taught 7th and 8th math, 6th -8th grade advanced reading, advanced math for 7th and 8th grades, along with teaching algebra for High School credit. Ms. Joseph has played an integral role in South Sioux City; in addition to her teaching role, she has been the advisor for Math Counts for over 21 years and in 2018 began hosting a regional math contest for area middle schools, one of the only contests in her region. Ms. Joseph has been a mentor to several new teachers, had numerous practicum and student teachers, and have served as the High Ability Coordinator for her building for the past 18 years. In addition to all of this, Ms. Joseph undertook the addition of a new course offering at South Sioux City Middle School to ensure compliance with NDE's curriculum requirements. Ms. Joseph created a 9-week Introductory Spanish class that was taught this previous year to all three grade levels; she is now currently working on creating a similar class for Introductory French to be offered this year, followed by developing a third offering over the course of next summer. Ms. Joseph has served as an alternate on the NITC Education Council for several years, holding an active role on the Cybersecurity task group.

Attachment IV-B

July 14, 2023

To: NITC Commissioners

From: Casey DunnGossin, State GIS Coordinator

Tim Erickson, Chair, GIS Council

Subject: GIS Council Report

GIS at the State of Nebraska:

The State of Nebraska GIS Environment is starting the planning process to move our GIS Portal Environment to the Cloud. This will occur in 2 phases.

The first phase is to move our image and raster data storage to the cloud, and then utilize Esri's Image Dedicated service to serve up image services to state agencies. This will result in significant cost savings for the state and produce a more reliable product for customer agencies. We are planning to be complete with this by mid-September 2023.

The second phase is moving the rest of the NEGIS Portal to a cloud deployment. The GIO team is currently working with Esri and AWS to create a robust deployment plan for NEGIS portal environments. We are planning on completing this deployment and having the State Agencies moved over to the cloud by February 1, 2024. As part of this deployment the NEGIS environment will be upgraded to Portal for ArcGIS 11.1.

GIS Council Update – May 2023

The GIS Council met in May with a quorum. Tim Erickson, Representative of the Clerk of the Legislature is the current chair.

Tim Ericson, LR 370 Report to Council ([LR 370](#)). There were over 700 statutes referencing boundaries that were involved in the report. It is anticipated that the study will be sent out for review by the end of next week. The GIS Council members will be receiving the report for review, as well. The report format will include the cited state statute for that boundary, the area the statute is referencing, and there will be a place for notes, questions, etc. After the corrections and/or revisions are made, it will be reviewed by the Boundary Committee. The Committee will need to discuss the statutes, agencies and/or sub-divisions will need to be identified, identify redundancies, collection tools and standards, as well as to decide on next steps. It could be that statutes will need to be revised or created.

Nebraska Statewide Elevation Program

Nebraska agencies have received the Phase II NE Nebraska QL2 LIDAR data and have uploaded it for agency use.

Nebraska Statewide Imagery Program

Still awaiting 2020 USDA NAIP Imagery.

Street Centerline-Address Database

The Council voted to recommend removal of the Street Centerline-Address Database as an action item for the GIS Council. This item was added to encourage participation and information sharing by the PSC, but at this time and for a number of years they have a been an active member of the NE GIS Council and have made significant improvements on the available dataset.

Statewide Land Record Information System

The GIS Council Chair would like to organize a work group to discuss and develop a minimum standard for parcel data. The first meeting will occur in early summer. Members were asked to let Ms. DunnGossin if they were interested.

Agency Updates

Department of Natural Resources: The agency is working on NeRFF (Nebraska Real-time Flood Forecasting) – flood inundation mapping with a soft launch in March 2023 with a public release goal of September 2023. Developing a near-real-time stream gage layer with USGS, NOAA, USACE, and DNR stream gages. Updating state game refuge boundary. Rolled out new 'Silver Jackets' Premium Hubsite for collaboration with the US Army Corps of Engineers.

Department of Environment and Energy: Posted a GIS Coordinator Job for the Agency in May/June, job posting is closed (June 2023).

Department of Health and Human Services: Three webmap applications have been added into Nebraska Map.

Sarpy County GIS: Changing how they are using data versioning in their GIS enterprise applications and datasets.

State Surveyor's Office: Working to image and index all surveys across Nebraska, updating county survey records.

Public Service Commission: Address database is now being submitted to the National Address database. Developing a hubsite for partners to identify and submit data changes.

Department of Transportation: The GIS Team is getting good feedback on their culvert inventory application and Asphalt e-ticketing System and finishing the GeoMedia to Esri pilot.

Douglas County GIS: Developing RPF for multi flight Imagery Contract is scheduled for end of summer: 1-6 inch imagery (Douglas, Sarpy, Cass, and Pottawattamie (IA)).

GIS Council Nominations:

Public Service Commission – Christian Nielsen*

Christian Nielsen is originally from eastern Colorado and attended the University of Denver as a Boettcher Scholar. At DU, he studied Physical Geography, where he was first introduced to GIS. Mr. Nielsen was recognized for his personal research exploring the use of spectral unmixing analysis in the automated mapping of urban settlement patterns in desert environments; and graduated magna cum laude with honors in 2016.

After graduating, he held various roles performing GIS work in both academic and business contexts. Since 2019, Mr. Nielsen has worked as the GIS Specialist for the 911 department of the Public Service Commission, assisting in their effort to implement Next-Generation 911 in Nebraska. He coordinates the work of the 68 Public Safety Answering Points (PSAP) across the state, via their own in-house employees or private contracts, to create high-quality GIS datasets that conform to NITC and NENA (National Emergency Number Association) standards—which he helped to shape through participation in NENA Standards working groups.

Mr. Nielsen also oversees the aggregation of all these projects into the authoritative statewide datasets provisioned to the Next-Generation 911 Core Services, including geospatial call-routing. Additionally, he performs analyses and create maps and applications used in reports and presentations regarding the progress of the NG911 deployment, as well as for other departments of the PSC on an ad hoc basis.

Attachment IV-C

State Digital Equity Planning Grant Update
June 29, 2023

The NITC/OCIO received a one-year $600,000 State Digital Equity Planning grant with a start date of December 1, 2022. States which complete a state digital equity planning grant can apply for a minimum of $7.2 million over 5 years to implement the digital equity plan and stand up a state grant program.

Benchmark Data

The State Digital Equity Manager has compiled benchmark information on:

- Internet access at home (U.S. Census Bureau American Community Survey)
- Device access at home (U.S. Census Bureau American Community Survey)
- Affordable Connectivity Program enrollment (Education Superhighway ACP Enrollment Dashboard and Oliver Borchers-Williams)
- Broadband availability (FCC Broadband Map)

Regional Digital Equity Planning

The NITC/OCIOC has contracted with the state's eight economic development districts to develop regional digital equity plans. The districts have organized digital equity planning committees and are in the process of developing their regional plans. Economic development district staff have also promoted the outreach sessions. The State Digital Equity Manager has developed a plan template for the districts to use to simplify the planning process. The State Digital Equity Manager and economic development district staff meet twice a month to share progress, coordinate efforts and address any concerns.

Asset Inventory

The state's economic development districts have compiled regional digital equity asset inventories. The OCIO/NITC has also compiled information on statewide, multi-state and national resources for the asset inventory. Information on the state's libraries from the Nebraska Library Commission and senior centers from the Nebraska Department of Health and Human Services State Unit on Aging was also included in the asset inventories.

Webinars

In order to develop a shared understanding of digital equity and to build capacity to address digital equity in Nebraska, the NITC/OCIO organized presented 8 webinars in January, February and March 2023. An additional six webinars are scheduled in June and July 2023.

Tribal Consultations

The State Digital Equity Manager participated in 4 tribal consultations with the Ponca Tribe of Nebraska, Winnebago Tribe of Nebraska, Santee Sioux Nation, and Omaha Tribe of Nebraska.

Outreach Sessions

The NITC/OCIO has partnered with the Broadband Equity Access and Deployment (BEAD) grant program on 26 broadband and digital equity outreach sessions held from April through July.

State Planning Workshop

The State Digital Equity Manager and representatives of the economic development districts met on June 8 to plan the agenda for the State Digital Equity Planning Workshop on August 8 in Kearney. The planning workshop will bring together representatives of the regional digital equity planning committees and other stakeholders to draft recommendations for the state digital equity plan.

Library Broadband

Holly Woldt from the Nebraska Library Commission has been working with Sam Shaw and Andrew Sherman on the following digital equity activities

- Surveying Nebraska libraries on their digital equity assets and training programs
- Developing strategies to better support libraries
- Supporting the use of E-Rate Special Construction Funding

Holly Woldt and the State Digital Equity Manager are planning to speak at annual regional library system meetings:

- Central Plains Library System, July 14, Cozad, Nebraska
- Western Library System, August 1, Bayard, Nebraska
- Three Rivers Library System, August 4, Genoa Nebraska

Digital Opportunities Webinars

Libraries as Digital Equity Partners Wednesday, January 18 11:00 a.m. CT	**Speakers:** • Holly Woldt, Nebraska Library Commission • Sam Shaw, Nebraska Library Commission • Denise Harders, Central Plains Library System • Amanda Sweet, Nebraska Library Commission
Digital Equity Needs of Older Adults & Resources Wednesday, January 25 11:00 a.m. CT	**Speakers:** • Jina Ragland, AARP Nebraska • Cynthia Brammeier, Nebraska Department of Health and Human Services State Unit on Aging • Carla Frase, Blue Rivers Area Agency on Aging
Digital Equity Benchmark Data and Precision Ag Wednesday, Feb. 1 11:00 a.m. CT	**Speakers:** • Don Linquist, Linquist Technologies Anne Byers, Nebraska Information Technology Commission/OCIO
Access to Digital Devices Wednesday, Feb. 15 11:00 a.m. CT	**Speakers:** • Brian Whitacre, Oklahoma State University Beverly Lahlum Taylor, Digital Express, Metropolitan Community College
Broadband Availability, Funding & Mapping Wednesday, Feb. 22 11:00 a.m. CT	**Speakers:** Cullen Robbins, Nebraska Public Service Commission
Makerspaces and Digital Equity Organizations Wednesday, March 8 11:00 a.m. CT	**Speakers:** • Michael Sauers, Do Space • David Martin, Nebraska Innovation Studio Kristine Flyinghawk, Center for Rural Affairs
STEM and Technology Workforce Development Wednesday, March. 15 11:00 a.m. CT	**Speakers:** • Shonna Dorsey, Nebraska Tech Collaborative • Alan Wang, Prairie STEM Kandace Miller, AIM Institute
Affordable Connectivity Program Wednesday, March. 22 11:00 a.m. CT	**Speakers:** • Anthony Butler, FCC Jenny Miller, Education SuperHighway

Digital Opportunities Webinars

Online Privacy and Security Thursday, June 22 11:00 a.m. CT	**Speaker:** Ryan Sothan Nebraska Attorney General's Office
Individuals with Disabilities— Common Vision Conditions Wednesday, July 12 11:00 a.m. CT	**Speaker:** Molly Wuebker, OTD, OTR/L, Professional Affiliate AIA - Iowa Iowa ADA Liaison | Great Plains ADA Center
State Disability Organizations and Resources Thursday, July 13 11:00 a.m. CT	**Speakers:** • Bradley A. Meurrens, Disability Rights Nebraska • Michael J. Elsken, Disability Rights Nebraska • Arlene Garcia Gunderson, Nebraska Commission for the Deaf and Hard of Hearing • Carlos Servan, Nebraska Commission for the Blind and Visually Impaired • Tobias Orr, Assistive Technology Partnership
Individuals with Disabilities— Digital Accessibility Practices for Hearing Wednesday, July 19 11:00 a.m. CT	**Speaker:** Molly Wuebker, OTD, OTR/L, Professional Affiliate AIA - Iowa Iowa ADA Liaison | Great Plains ADA Center
Individuals with Disabilities— Digital Accessibility Practices for Motor Wednesday, July 20 11:00 a.m. CT	**Speaker:** Molly Wuebker, OTD, OTR/L, Professional Affiliate AIA - Iowa Iowa ADA Liaison | Great Plains ADA Center
Individuals with Disabilities— General Digital Accessibility Thursday, July 27 11:00 a.m. CT	**Speaker:** Molly Wuebker, OTD, OTR/L, Professional Affiliate AIA - Iowa Iowa ADA Liaison | Great Plains ADA Center

Tribal Consultations

March 24   1:00   Ponca Tribe of Nebraska, Ponca Tribal Transit Facility, Norfolk

March 31   10:00   Winnebago Tribe of Nebraska, Tribal Council Chambers, Winnebago

April 11   1:00   Santee Sioux Nation, Tribal Council Headquarters and Museum, Niobrara

April 21`   10:00   Omaha Tribe of Nebraska, Atrium 7th floor, Lincoln

Outreach Sessions

1. April 19   5:30   Grand Island, Nebraska Extension in Hall County
2. April 26   noon   Niobrara, Niobrara Village Fire Hall
3. April 26   5:00   Norfolk, Norfolk Public Library
4. May 1   5:00   Valentine, Mid Plains Community College
5. May 2   noon   Ainsworth, the Connection
6. May 2   5:00   Stuart, Stuart Auditorium
7. May 3   noon   O'Neill, Evergreen Assisted Living
8. May 3   5:30   Columbus, Central Community College
9. May 8   5:00   Sidney, Cheyenne County Community Center
10. May 9   noon   Scottsbluff, Guadalupe Center, 1200 East 9th Street
11. May 9   5:00   Chadron, Chadron State College, Scottsbluff Room
12. May 10   5:00   Alliance, Knight Museum and Sandhills
13. May 11   5:00   Ord, Ord Learning Center
14. May 15   5:00   Albion, Cornerstone Bank
15. May 16   5:00   Auburn, Auburn Council Chambers
16. May 17   5:00   Wayne, Community Activity Center
17. May 24   5:00   Hastings, Hastings Public Library
18. May 30   5:00   Beatrice, Southeast Community College
19. May 31   5:00   Waverly, Waverly Community Foundation Community Center
20. June 8   6:30   Kearney Public Library, 2020 1st St
21. June 13   5:30   North Platte, Harvest Christian Fellowship, 1501 S Dewey St
22. June 14   5:30   McCook, Public Safety Center, 505 W C St
23. June 21   5:30   Broken Bow Public Library, 626 D St
24. June 29   5:30   South Sioux City Marriott Riverfront, 385 E 4th St
25. July 11   5:30   Lincoln, NDOT Auditorium, 1500 Nebraska Pkwy
26. July 12   5:30   Omaha, NDOT State Operations Center, 4425 S 108th St

A form to provide your feedback on recent broadband listening sessions is now live.
[Click here to fill out the feedback form regarding Broadband Access and Digital Opportunities.](#)

Attachment IV-E-1-a

TO:	NITC Commissioners
MEETING DATE:	July 14, 2023
SUBJECT:	Proposal 30. Repeal the enterprise content management standard.
RECOMMENDED ACTION:	Approve Proposal 30.
BACKGROUND:	The proposal includes the following provisions:
	Section 1 removes a reference to a section of the Technical Standards and Guidelines that is being repealed in section 2 of this proposal.
	Section 2 outright repeals the enterprise content management standard.
RECOMMENDED BY:	Chief Information Officer Technical Panel

State of Nebraska
Nebraska Information Technology Commission
Technical Standards and Guidelines

Proposal 30
Final

A PROPOSAL to repeal the enterprise content management system standard; to amend

subsection 1-202(2)(b); to repeal the original subsection; and to outright repeal section

5-101.

1   Section 1. Subsection 1-202(2)(b) is amended to read:

2   (b) Exceptions. The following information technology projects are not subject to the project

3   review requirements of this section and do not require the submission of a project proposal: (i)

4   multi-year projects that have been reviewed as part of a previous budget submission; or (ii)

5   projects utilizing the enterprise content management system ~~identified in section 5-101~~<u>managed</u>

6   <u>by the Office of the CIO</u>.

7   Sec. 2. The following section is outright repealed: Section 5-101.

8   Sec. 3. Original subsection 1-202(2)(b) is repealed.

9   Sec. 4. This proposal takes effect when approved by the commission.

Attachment IV-E-1-b

TO:	NITC Commissioners
MEETING DATE:	July 14, 2023
SUBJECT:	Proposal 31. Amend provisions of the Information Security Policy.
RECOMMENDED ACTION:	Approve Proposal 31.
BACKGROUND:	The proposal includes the following provisions:

Section 1 adds new definitions for "authenticator" and "multi-factor authentication."

Section 2 amends the minimum user account configuration standard to add a requirement for multi-factor authentication. This updates the standard to be consistent with requirements being implemented by the Office of the CIO.

Section 3 amends the awareness and training standard to add a provision relating to simulated phishing.

Section 4 adopts a new section relating to third party cyber risk management.

Section 5 updates the data classification categories. The new categories are based on those recommended by NIST.

Section 6 amends multiple sections of the Information Security Policy to be consistent with the data classification changes made in section 5.

Sections 8 outright repeals the section relating to linking a personal mobile device to the state email system. The requirements for mobile device configuration, including connections to the email system, are contained in section 8-506.

RECOMMENDED BY:	State Information Security Officer Security Architecture Workgroup Technical Panel

Proposal 31
Final

A PROPOSAL relating to the Information Security Policy; to amend the definitions in section 1-101; to amend sections 8-502 and 8-702; to add a new section relating to third party cyber risk management; to amend the data classification categories in section 8-902; to repeal the original sections; and to outright repeal section 5-204.

1   Section 1. Section 1-101 is amended by repealing subsections (24), (80), (109), and

2   (115); adding the following new subsections; and renumbering the existing subsections

3   accordingly:

4   "Authenticator" means something that the claimant possesses and controls (typically a

5   cryptographic module or password) that is used to authenticate the claimant's identity. This was

6   previously referred to as a token. [Source: NIST SP 800-53, REV. 5]

7   "Multi-factor authentication" means an authentication system or an authenticator that

8   requires more than one authentication factor for successful authentication. Multi-factor

9   authentication can be performed using a single authenticator that provides more than one factor

10   or by a combination of authenticators that provide different factors. The three authentication

11   factors are something you know, something you have, and something you are. See

12   *authenticator*. [Source: NIST SP 800-53, REV. 5]

13   Sec. 2. Section 8-502 is amended to read:

14   **8-502. Minimum user account configuration.**

15   (1) User accounts must be provisioned with the minimum necessary access required to

16   perform duties. Accounts must not be shared, and users must guard their credentials.

1   (1)(2)   User accounts must be provisioned to use OCIO-approved multi-factor

2   authentication.

3   (2)(3)   Administrator level access is privileged and must be restricted to authorized IT

4   personnel only. All privileged access accounts are subject to additional security, including multi-

5   factor authentication, and enhanced auditing and logging of activity.

6   (3)(4)   Local accounts must be disabled unless required for business purposes, and in

7   those cases, use of these accounts must be approved, tightly controlled, and monitored. All use

8   of local accounts are required to be associated with an individual user.

9   Sec. 3. Section 8-702 is amended to read:

10   **8-702. Awareness and training.**

11   (1) The state provides information technology resources to authorized users to facilitate the

12   efficient and effective performance of their duties. The use of such resources imposes certain

13   responsibilities and obligations subject to state government policies and applicable state and

14   federal laws. It is the responsibility of all staff to protect information resources and ensure that

15   such resources are not misused.

16   An information security awareness program must be developed, implemented,

17   documented, and maintained that addresses the security education needs of the state. To

18   ensure staff is knowledgeable of security procedures, their role and responsibilities regarding

19   the protection of agency information and the proper use of information processing to minimize

20   security risks, all staff with access to agency information must receive security awareness

21   training, which must be reinforced at least annually. Technical staff must be trained to a level of

22   competence in information security that matches their duties and responsibilities.

23   (2) New Hire and Refresher Training. All new hires must complete security training,

24   including information about this policy, as part of their orientation. On an annual basis, all staff

25   must complete a security and privacy training session. The state will maintain records of all

26   attendance for new hire and refresher training.

1   (2)(3)   Simulated Phishing. Phishing is a significant threat vector for the state's

2   technology environment. To aid in mitigating this threat and raise awareness of the tactics and

3   techniques used by malicious actors to compromise credentials, simulated phishing campaigns

4   will be conducted at least annually by the Office of the CIO. Anonymized reports may be

5   provided on a per agency basis upon request.

6   (3)(4)   Periodic Security Briefings. Management should periodically incorporate

7   information security topics into their meetings with staff. Additionally, the state information

8   security officer may require periodic security briefings to selected audiences when

9   circumstances require, such as responding to a gap in security policy or addressing recurrence

10   of security incidents.

11   Sec. 4. The following new section is adopted:

12   **8-807. Third party cyber risk management.**

13   The State of Nebraska provides a wide range of services utilizing information technology.

14   These numerous and complex services can only be accomplished with the support of third-party

15   vendors, contractors, and service providers. Risks associated with these third parties must be

16   managed by agencies.

17   The following are the requirements for monitoring and evaluating third-party cyber risk:

18   (1) Agencies must maintain a list of third-party vendors, the services those third parties

19   provide to the agency, and define the business processes in which they are involved;

20   (2) A documented cyber risk analysis should be performed prior to the initiation of

21   information technology projects involving third-party participants, except where the third party is

22   already engaged in activities with the agency, in which case the additional services may be

23   added to an existing assessment;

24   (3) The agency should design and implement additional oversight of third-party relationships

25   involving critical business processes; and

26   (4) Written contracts must outline the roles and responsibilities of all parties.

P031_final

1   Sec. 5. Section 8-902 is amended to read:

2   **8-902. Data classification categories.**

3   Data owned, used, created or maintained by the state is classified into the following four

4   categories:

5   HIGH IMPACT

6   This classification level is for data that may only be accessed by a limited number of

7   authorized staff on a strict "need to know" basis. This data includes, but is not limited to

8   federal tax information, Social Security Administration data, protected health information,

9   criminal justice information, and payment card information. This data shall have the strictest

10   controls in place.

11   MODERATE IMPACT

12   This classification level is for data relating to the nature, location, or function of cybersecurity

13   infrastructure, network architecture, system controls, and personally identifiable information.

14   This data shall be tightly controlled, ensuring proper safeguards are in place.

15   LOW IMPACT

16   This classification level is for data that is public in nature but may require authorization to

17   share. This data requires a minimal level of security and would not have a significant impact

18   in the event of data disclosure.

19   NO IMPACT

20   This classification level is for public information and requires minimal level of protection and

21   can be handled in the public domain.

22   (1) RESTRICTED. This classification level is for sensitive information intended for use by a

23   limited number of authorized staff with an explicit "need to know" and controlled by special rules

24   to specific personnel. Examples of this privileged access information include: attorney-client

25   privilege information, agency strategies or reports that have not been approved for release,

26   audit records, network diagrams with IP addresses specified, and privileged administrator

P031_final

1   ~~credentials. This level requires internal security protections and could have a high impact in the~~

2   ~~event of an unauthorized data disclosure;~~

3   ~~(2) CONFIDENTIAL. This classification level is for sensitive information intended for use~~

4   ~~within an agency and controlled by special rules to specific personnel. Examples of this type of~~

5   ~~data include: federal tax information (FTI), protected health information (PHI) and other Patient~~

6   ~~Medical Records covered by Health Insurance Portability and Accountability Act (HIPAA),~~

7   ~~payment card industry (PCI) information, and personally identifiable information (PII);~~

8   ~~(3) MANAGED ACCESS PUBLIC. This classification level is for information that is public in~~

9   ~~nature but may require authorization to receive it. This type of information requires a minimal~~

10   ~~level of security and would not have a significant impact in the event of data disclosure. This~~

11   ~~type of information does not include personal information but may carry special regulations~~

12   ~~related to its use or dissemination. This data may also be data that is sold; and~~

13   ~~(4) PUBLIC. This classification is for information that requires no security and can be~~

14   ~~handled in the public domain.~~

15   Sec. 6. The following sections are amended to be consistent with the classification

16   categories amended in section 5 and the original sections are repealed: Sections 8-201, 8-202,

17   8-203, 8-204, 8-205, 8-206, 8-208, 8-302, 8-402, 8-403, 8-504, 8-506, 8-601, 8-604, 8-605, 8-

18   606, 8-607, 8-701, 8-704, 8-708, 8-802, 8-903, and 8-906.

19   Sec. 7. Original sections 1-101, 8-502, 8-702, and 8-902 are repealed.

20   Sec. 8. The following section is outright repealed: Section 5-204.

21   Sec. 9. This proposal takes effect when approved by the commission.

P031_final

Attachment IV-E-2

Projects Status Dashboard
June 2023

Enterprise Projects - Current

Agency/Entity	Project	NITC Designated
Nebraska Council of Regions	Nebraska Regional Interoperability Network	03/15/2010
Department of Health and Human Services	iServe Nebraska	11/12/2020
Department of Transportation	Financial Systems Modernization Project	07/08/2021
Nebraska Public Employees Retirement Systems	OPS Retirement Plan Management Transfer	11/04/2021
Department of Administrative Services, State Budget Division	SONAR – State of Nebraska Appropriation Request	11/10/2022

Note: Status is self-reported by the agency

Project Storyboard: Nebraska Regional Interoperability Network (NRIN)

Project Manager	Krogman, Sue	Status Report Date	6/7/23
Project Type	Major Project	Status	Approved
Stage	Build	Progress	Started
Total Estimated Cost	$12,500,000.00	Estimate to Complete	83.24%
Actual Cost To Date	$10,405,204.00		

Project Dates

	Start	Finish
Plan	10/1/10	8/31/23
Baseline	10/1/10	8/31/23
Days Late	0	0

Status Report Indicators

Overall	⚠️	➡️
Schedule	⚠️	➡️
Scope	🟢	➡️
Cost and Effort	⚠️	➡️

Project Description

The Nebraska Regional Interoperability Network (NRIN) is a project that will connect a majority of the Public Safety Access Points (PSAP) across the State by means of a point to point microwave system. The network will be a true, secure means of transferring data, video and voice. Speed and stability are major expectations; therefore there is a required redundant technology base of no less than 100 mbps with 99.999% availability for each site. It is hoped that the network will be used as the main transfer mechanism for currently in-place items, thus imposing a cost-saving to local government. All equipment purchased for this project is compatible with the networking equipment of the OCIO.

Key Accomplishments

The path from Norfolk to Ponca has been completed and router configuration updated.
A tower site has been determined in Red Willow County and a tower company has been selected.

Status Report Update

UPDATE FOR JUNE 2023 – The path from Norfolk to Ponca has been completed and router configuration updated. Material has been ordered to complete the path from O'Neill NPPD to Neligh. Newcastle is ready to install. Assisted Webster County is their process to purchase a tower for their county. Added necessary NRIN equipment to make their path work. Continuing efforts in the Southeast to finalize path calculations and structural assessments.

UPDATE FOR MARCH 2023 – Tower crews are able to get back to work at many locations. The final 2 sections of the Amelia tower are being done and then the NRIN equipment will get hung. Work has progressed on finalizing the Sarpy County fiber into the Orion network. A tower site has been determined in Red Willow County and a tower company has been selected. Meetings were held with representatives of Juniper as well as Ceragon for continued support and training to our staff. Ceragon has discontinued their IP10 radios, so, all of our new purchases will be the IP20's. Work to install some of them at our sites that have issues has begun. This years' Federal grant dollars were applied for and we are now just awaiting approval.

Upcoming Activities

Continuing efforts in the Southeast to finalize path calculations and structural assessments.

Issues by Priority

Risks by Priority

Current Issues

No matching records were found

Project Storyboard: iServe Nebraska

Project Manager	Laessig, Erik	Status Report Date	6/6/23
Project Type	Major Project	Status	Approved
Stage	Build	Progress	Started
Total Estimated Cost	$33,524,476.00	Estimate to Complete	78.17%
Actual Cost To Date	$26,207,464.00		

Project Dates

	Start	Finish
Plan	4/6/20	2/22/27
Baseline	4/6/20	12/27/24
Days Late	787	787

Status Report Indicators

Overall	◆	➡
Schedule	◆	➡
Scope	◆	➡
Cost and Effort	◆	➡

Project Description

The Nebraska Department of Health and Human Services (DHHS) has embarked on the iServe Nebraska Program to improve access, outcomes, cost, accountability and quality of DHHS services through an integrated, consumer-centric model of practice, across all programs. DHHS intends the iServe Nebraska Program to be adaptive and incrementally deliver new business capabilities, enabling the state to move from a siloed and program-based business model, to an integrated service delivery model that is family and person-centered, focused on improving the overall health and well-being of all family members.

Key Accomplishments

Continued Launch 2 development and deployment activities for Major release planed for July, 2023.
Completed submission of Federal Partner Milestones.
Completed Launch 2 UAT testing cycle.
Started Launch 2 OCM training and communication activities.

Status Report Update

Work continues for upcoming iServe minor and major releases. Multiple minor releases have been incrementally deployed since Launch 1 (April 2022). Incremental delivery to production will continue with upcoming minor releases. A major release was deployed on January 27 2023 successfully releasing Explore Benefits functionality for all portal users. Another major release scheduled for July, 2023 to deliver an integrated Medicaid and Economic Assistance online application to a select group of community partners in pilot mode.

Upcoming Activities

Ongoing delivery and deployment readiness for iServe Launch 2 Application Release to Select Community Partners in July, 2023.
Complete Launch 2 UAT Defect cycle.
Start Launch 2 Business Validation cycle.
Continue Launch 2 OCM training and communication activities.
Start Launch 2 Operational Readiness.

Issues by Priority

Risks by Priority

Current Issues

No matching records were found

Project Storyboard: NDOT Financial System Modernization

Project Manager	Lusero, Cody	Status Report Date	6/7/23	
Project Type	Major Project	Status	Approved	
Stage	Design	Progress	Started	
Total Estimated Cost	$5,945,871.00	Estimate to Complete	6.17%	
Actual Cost To Date	$366,815.76			

Project Dates

	Start	Finish
Plan	3/28/22	8/1/26
Baseline	3/28/22	8/1/26
Days Late	0	0

Status Report Indicators

Overall	⚠️	⬇️
Schedule	⚠️	⬇️
Scope	🟢	➡️
Cost and Effort	🟢	➡️

Project Description

275056 - NDOT Financial System Modernization
The Financial Systems Modernization effort is focused on moving all financial systems at NDOT off of the mainframe.

Key Accomplishments

Phase 1
- General Ledger parallel testing in Production
- Journal Voucher code moved to Production, not in use
- Journal Voucher user acceptance and end to end testing completing this week
Phase 2
- Work on proposed schedule to add detail and clarify dates
- Inventory setup in DV being reviewed by NDOT business team
- Inventory order process setup in DV for review by NDOT
- Inventory and Contract Management design documents created

Status Report Update

Phase 1 is close to go-live. Testing is wrapping up and approvals for Production move have been sent out. E1 code is migrating to Production June 8th through 12th. NDOT has Production moves planned for TFE Batch Edit and Nightly Distribution updates in the next 2 weeks. We will turn on new systems with security access on July 3rd.

Phase 2 is moving forward with both Inventory functionality being built and Contracts Management design documents being created.

Upcoming Activities

Phase 1
- General Ledger complete parallel testing in Production
- Journal Voucher finish code moves to Production
- Journal Voucher smoke testing in Production
- Journal Voucher and General Ledger go-live
Phase 2
- Continue work on proposed schedule to clarify dates
- Inventory return process setup in DV
- Inventory design documents review and approval by NDOT
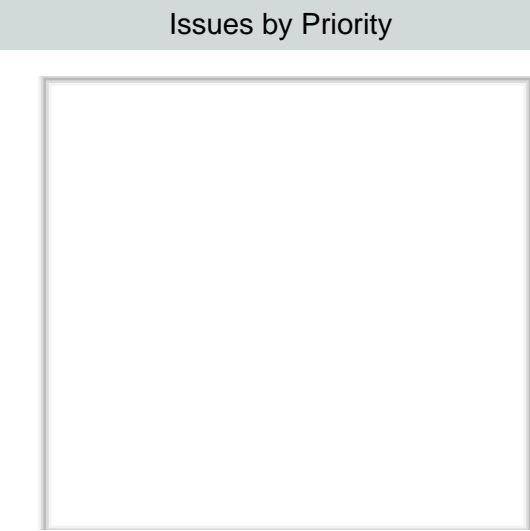
Issues by Priority

Risks by Priority

1

Current Risks

More Risks...

Risk	Probability	Impact	Priority	Status	Target Resolution	Owner
Resource Allocation	⚠️	❌	⚠️	Open		Lusero, Cody

Project Storyboard: OPS Retirement Plan Management Transfer

Project Manager	Deshpande, Jaydeep	Status Report Date	6/7/23
Project Type	Major Project	Status	Approved
Stage	Requirements	Progress	Started
Total Estimated Cost	$4,200,000.00	Estimate to Complete	0.00%
Actual Cost To Date	$0.00		

Project Dates

	Start	Finish
Plan	10/1/21	8/31/24
Baseline	10/1/21	8/31/24
Days Late	0	0

Status Report Indicators

Overall	🔶	➡️
Schedule	🔶	➡️
Scope	🔶	➡️
Cost and Effort	🔶	➡️

Project Description

NPERS OPS (Omaha Public School) project - data and document migration from the OPS environment to NPRIS and OnBase.

Key Accomplishments

1. Data migration team granted access to the OPS peoplesoft database
2. Local admin access issues resolved for the developer teams VM
3. Cyber Security meetings with business and IT teams completed

Status Report Update

Completed in May
a)   Total Solutions Requirements in the RFP – 65
i.   Total Requirements documented 17
b)   Total Implementation Service Requirements in the RFP- 134
i.   Total ISR documented – 12
c) Npers Cyber Security risk assessment ongoing on track to be presented to the board by July
d) Linea has started submitting the deliverable documents mentioned in the RFP for review
e) Data mapping & conversion discussion ongoing
2. Looking forward for June
a.   Continue NPERS Cyber Security risk assessment
b.   Complete requirements gathering for
i. Service Credit Purchase
ii. Accounting (including Benefit Payroll, Refunds and General Ledger)
iii. Payment Maintenance
c. Begin development sprint for
i.   Employer Related Functionality
ii.   Benefit Calculation (Benefit Estimates)
d. Deliverables to be sent out
            1. Data migration Plan
            2. Test Management Strategy
3. Scanning project
1.   Scanning by the Secretary of State (SOS) has started
a.   Nine boxes of files have been transferred to the SOS
b.   Initially they are scanning deceased member files, which are less frequently needed by OSERS staff
c.   Tyler's team creates a spreadsheet of the members in each box to aid in tracking file location and to help the SOS automate the document indexing process.
2.   The first batch of completed documents have been transferred to NPERS
a.   Those documents will be loaded into OnBase when the system configuration is complete
3.   The OCIO OnBase ECM team is currently working on the system configuration for OSERS documents
a.   The OPS team have created their accounts for OnBase
b.   After the configuration is complete documents will be imported into OnBase
c.   At that point the OPS team would be able to directly retrieve documents from OnBase

Upcoming Activities

Project Storyboard: SONAR - State of Nebraska Appropriation Request

Project Manager	Bush, Gary	Status Report Date	6/6/23
Project Type	Major Project	Status	Approved
Stage	Requirements	Progress	Not Started
Total Estimated Cost	$1,209,574.00	Estimate to Complete	21.56%
Actual Cost To Date	$260,815.00		

Project Dates

	Start	Finish
Plan	2/21/23	8/1/23
Baseline	2/21/23	8/1/23
Days Late	0	0

Status Report Indicators

Overall	◆	➡
Schedule	◆	➡
Scope	◆	➡
Cost and Effort	◆	➡

Project Description

The State of Nebraska has used the Nebraska Budget Request and Reporting System (NBRRS) for the past 15 years. The State Budget Division seeks to take advantage of improvements in software and methodologies in budget management and request submission process of agencies, boards, and commissions of the state.

Key Accomplishments

The major components have been completed. Now refinement is being completed.

Status Report Update

The SONAR project has had a slight delay due to how the holiday's fell. But the project is still on pace to meet budget and hit the 8/1/23 project completion date.

Upcoming Activities

Working with the OCIO and Allitiix teams to workout how files will be sent to the Anaplan platform.

Issues by Priority

Risks by Priority

1

Current Risks   More Risks...

Risk	Probability	Impact	Priority	Status	Target Resolution	Owner
Rich Text capability	⚠	✖	⚠	Work in Progress	4/7/23	Bush, Gary

TO:	NITC Commissioners
MEETING DATE:	July14, 2023
SUBJECT:	Enterprise projects.
RECOMMENDED ACTIONS:	(1) Designate the following project as an enterprise project: Office of the CIO: Kronos Transition to UKG Dimensions Project.
	(2) Designate the following project as an enterprise project: Nebraska State Patrol: Message Switching System (MSS) Modernization Project.
	(3) Designate the following project as an enterprise project: Nebraska State Patrol: Computer Aided Dispatch Project.
BACKGROUND:	Pursuant to Neb. Rev. Stat. § 86-526, the commission is responsible for designating certain information technology projects as "enterprise projects."
	With that designation, the responsible agency is then required to: (a) submit periodic progress reports to the OCIO's Project Management Office, and (b) participate in project status meetings to aid in the review of the written progress reports. The Technical Panel and the commission also receive regular updates on enterprise projects. Finally, the Chief Information Officer submits an annual report on the status of enterprise projects to the Governor and the Appropriations Committee of the Legislature.
	At their meeting on June 13, 2023, the Technical Panel heard from representatives of all three projects listed above and recommended designating each as an enterprise project.
LINKS:	Section 1-206. Enterprise projects.
	June 13, 2023, Technical Panel meeting documents, including slide deck presentations for each project.
RECOMMENDED BY:	Technical Panel

Attachment IV-F

Blog: We Moved Enterprise Apps to the Cloud?

March 8, 2023 by Ed Toner, CIO

Each week, we review our top 20 projects with the Project Management Office (PMO), and we've moved the majority of our services to the cloud and are continuing to do so. We did not plan to move so many applications to the cloud. There was no cloud focus group, no mandate, no legacy issues to overcome. We simply acted on the opportunity when we saw value for our customers. That value proposition included the appropriate security, increased efficiency and automation, lower administration costs, opportunity for additional functionality, and overall storage cost reductions.

When the Return on Investment (ROI) is present, the architecture is appropriate and secure, and a strong business case could be made, we executed. We were not in a hurry. We took the necessary precautions and did the research. The main concern was ensuring we make the journey successfully. We have multiple SAAS applications in the cloud, but moving Enterprise level applications to the cloud has its own unique challenges, and sufficient planning is necessary. We were and we currently are being very methodic in our approach. Eyes wide open, investigating any possible roadblocks, consciously moving forward. Identifying the appropriate strategic partners and vendors to assist with our migration project. Fully aware that nothing is as easy as it may appear. Mapping our applications, hardware and knowing the interdependencies before we initiated any project.

I wrote about the hyped predictions of rapid shifts to the cloud and the death of the data center in my blog titled **"The Truth About Predictions""**. In it, I cautioned against getting caught up in the hype of new technologies and expressed the need to provide a pathway and guidance to cloud adoption only in situations where the cloud environment is appropriate and effective. The OCIO has provided a pathway to cloud adoption in situations where the cloud environment is appropriate. However, not all applications are appropriate for either the commercial or government cloud options we utilize. Standard criteria must be taken into consideration. We established the **OCIO Cloud Review Board** which provides the governance, reviews policy, standardizes, and maintains multiple cloud services utilized by state agencies. We developed a cloud strategy driven by our business objectives. To my surprise, this methodical approach has landed us where we are today. Much more cloud based than I would have predicted.

Replatforming was our strategy of choice, moving applications to the cloud with minor changes, but taking advantage of benefits of the cloud environment which include tools for development, automation, and management of cloud resources. We found this approach to be the most cost effective, and so far, it has not required a major development project. Replatforming allowed us to move workloads to the cloud, research and take advantage of the new functionality present in the cloud environment, learn lessons, and then move on to the next migration.

This cloud strategy will almost certainly need to include the hybrid approach of connecting some current on-prem systems with the newly introduced cloud if we expand to Agency-specific applications. Plans must be fully developed prior to the move to ensure efficient operation long-term in this hybrid environment, with the possible ultimate end game being a full incremental migration of Agency-specific **legacy systems**. We must ensure a smooth conversion to modern technology only after committing the resources and operational oversight needed for stabilization and maintenance of the current systems, utilizing the knowledge we gained from our own path to the cloud.

Moving Enterprise applications to the cloud assists in our mission, "Respect for the Taxpayers of Nebraska," reducing costs while providing enhanced capabilities for delivery of services. Our goal is not to eliminate staff, but rather to retrain our existing positions to understand and enhance their skills by learning the cloud equivalent. That will allow all of us to focus more on innovation and improvements to virtual infrastructure and networking instead of purchasing physical infrastructure and setting that up in the data centers. We still manage and maintain all of our data. Giving up control of the infrastructure allows us to focus on assisting our customers and more efficiently store and utilize their data on Enterprise Applications.

As always, I appreciate your efforts to provide quality services to the State and the Citizens of Nebraska!

Ed Toner

https://cio.nebraska.gov/blog/2023/03/wemovedenterpriseappstothecloud.html

Blog: High Availability

May 30, 2023 by Ed Toner, CIO

I looked at the 2023 NASCIO Top 10 State Priorities list posted recently and realized that Business Continuity and/or High Availability (HA) was not mentioned. I went back through several years of lists and had to travel all the way back to 2016 to find it—it was listed at number 10. 2015's list had it at number 9. High Availability and/or resiliency was missing from every list. Is it because we have no competition for our services, so our customers don't expect as much from us?

High Availability demonstrates to your customers that you want to provide good service and protect your reputation. 2023 started the year with outages impacting Airlines, the FAA, the New York Stock Exchange, Microsoft's worldwide Teams and Outlook programs, and Instagram. Just last week, Twitter had a tech failure announcing Ron DeSantis' run for president. Each incident resulted in harm to their reputations and quite possibly customer churn. Where is the focus on mitigating risk?

During my last year at First Data, I led a team of IT architects and performance engineers who successfully achieved availability and performance improvement targets, transforming 14 front-end authorization platforms to a Recovery Time Objective (RTO) of zero within that initial year of the program. We architected the infrastructure utilizing two geographically separated Active/Active data centers and defined the standards required to keep the technology running in spite of unavoidable IT disruptions.

High Availability basically involves failover and the following redundancies:

- Hardware redundancy.
- Software and app redundancy.
- Data redundancy.

Every business, private or public, encounters technology issues. Industry leaders publish availability SLAs of 99.9%, which suggests a reliable system. Downtime is inherent in the thousands of hardware and software systems we manage, but what we do to minimize the impact distinguishes us from others. Factors that minimize downtime include a strong change management program that enforces maintenance periods, limiting privileged access to systems, high availability architecture via failover capabilities, and load balancing across geographically separated data centers with independent system instances to ensure availability even if one instance fails. Lastly, redundant network paths and synchronized databases achieve a Recovery Point Objective (RPO) of zero.

Many of these practices have guided our mission here at the OCIO. IT teams should continuously attempt to reduce downtime and improve availability, introducing redundancy strategically by starting with mission-critical workloads. Resiliency improves the probability that our systems are fully operational or improves our chances to recover business functions in time to meet customer needs. It is the reason for our requirement to have instances of every mission-critical system running in our two data centers with real-time replication of data across these systems, eliminating single points of failure.

This high availability approach is vital for mission-critical systems that cause major service disruptions when they run into inevitable failures. Availability is a main component by which our customers judge the OCIO's ability to deliver quality services. We saw the benefit of our practice with a recent hardware

outage. Agencies that correctly identified mission-critical applications were not affected and did not see any interruption. Those that did learned the value add of having an instance in place in each of our data centers.

STATE CIO TOP 10 PRIORITIES
Priority Strategies, Management Processes and Solutions for 2023

01 Cybersecurity and Risk Management:
governance; budget and resource requirements; security frameworks; data protection; training and awareness; insider threats; third-party risk

02 Digital Government / Digital Services:
framework for digital services; state portals; improving and digitizing citizen experience; accessibility; identity management; digital assistants; privacy

03 Workforce:
preparing for the future workforce and reimagining the government workforce; transformation of knowledge, skills and experience; more defined roles for IT asset management, business relationship management, and service integration

04 Legacy Modernization:
enhancing, renovating, replacing, legacy platforms and applications; business process improvement

05 Identity and Access Management:
supporting citizen digital services; workforce access; access control; authentication; credentialing; digital standards

06 Cloud Services:
cloud strategy; selection of service and deployment models; scalable and elastic services; governance; service management; security; privacy; procurement

07 Consolidation/Optimization:
centralizing; consolidating services; operations; resources; infrastructure; data centers; communications and marketing "enterprise" thinking

08 Data and Information Management:
data governance; data architecture; master data management; open data; sustained access to government data; data portals; enhancing the role of data; information and intelligence, knowledge management; data integration; data management strategy; roles and responsibilities; DataOps

09 Broadband / Wireless Connectivity:
strengthening statewide connectivity; implementing rural broadband expansion; 5G deployment

10 Customer Relationship Management:
internal customer service strategies; building customer agency confidence and trust; collaboration; service level agreements (demand planning)

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Minimizing downtime of critical systems should be fundamental. For the State of Nebraska our number one priority will always be high availability.

As always, I appreciate your efforts to provide quality services to the State and the Citizens of Nebraska!

Ed Toner

https://cio.nebraska.gov/blog/2023/05/highAvailability.html

Blog: Resiliency

June 30, 2023 by Ed Toner, CIO

In my last blog, I wrote about system High Availability (HA) and mentioned the word "resiliency" a couple of times. I described how resiliency improves the probability our systems are fully operational 24/7 and improves our chances to recover quickly from a technical issue. It improves our ability to overcome challenges even when we have not defined the cause of an issue.
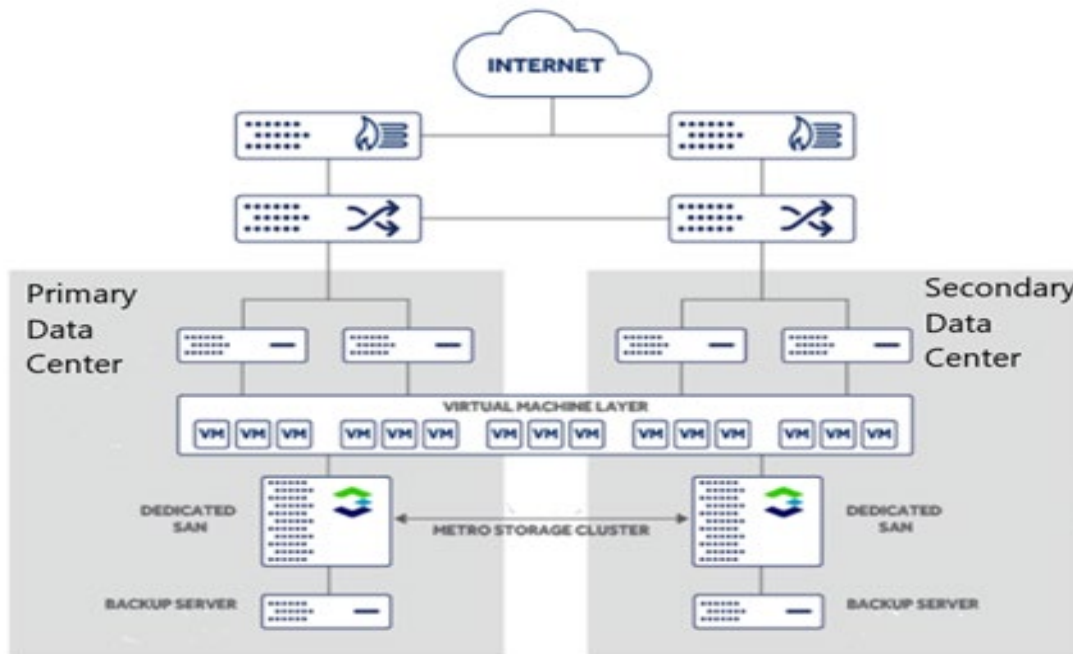
I don't remember where I first heard the saying but it still rings true: "If you only have one, you have none". Failover is one way of achieving high availability (HA). In our case this involves dual data centers with hardware redundancy. My wife still wonders why I buy two of everything that I feel is important.

Resiliency also means change. We recently updated our Secondary Data Center, and the Engineer and Project Manager on the project sent me the following note that I wanted to share with you all:

"Reaching out as we get your Data Centers Infrastructure near the finish line. It's been 6 years my friend, and the State is in a much healthier place than when we all started. Over the past 7 years, you've led the methodical modernization effort of the State mission critical infrastructure – the people and things that insure we work. Much has happened to be proud of. Pandemic – nailed. Statewide work- from-home – no problem. Service continuity – uninterrupted. Service consolidation – streamlined. Service/Help desk – strong. Server/Storage/Network and Physical infrastructure – resilient. Services for the State – a north star to guide other states."

Resiliency is also a tremendously positive personal characteristic. I have never willingly read a book on psychology, but my daughter has a master's degree in social work and analyses me and everyone else in the family, so I feel like an expert—or an experimental rat. If she finds out I mentioned her, I will probably be re-evaluated. In college, I did mistakenly take a psychology class thinking it fulfilled my humanities requirement, just to be informed by my faculty advisor (thanks Joe Popp) after I finished the class that I was supposed to take sociology. Big mistake as the sociology class was a lot easier. But, from both experiences, I learned how to define character traits.

Resiliency refers to the ability to recover quickly to adversity or change. Resiliency is life-strengthening. Every day in technology we face some type of adversity or challenge. Research suggests we must deal with adversity and failure daily if we want to get better at something and enhance our learning. If that is true, Technology workers must be the smartest people ever. Everyone is afraid of failure, but to be successful in our business, you have to learn to deal with it, and, when possible, minimize it. We complete Problem Reports (PR's) to learn from our past mistakes and focus on the positive aspects of solving an issue. We try a lot of things that don't work, but we don't let it bother us. Like Ted Lasso says, "Be a goldfish," because they only have a 10-second memory.

Why is any of this important? Because if we want to become successful in life, we must be resilient. We must keep moving and looking forward even when were frustrated, and we must understand that effort is more important than talent. Every setback that we experience paves the way to our success. I never learned a better lesson than when I have failed at something. That is why experience is the best teacher. I was told recently by another ex-State CIO that everyone thought I would never succeed in the public sector and asked me how I did it. I told them that I had to learn to become a leader in a new way. I realized my private sector leadership style would no longer work. I recognized early that my long-practiced leadership style had to change in order for me to be successful.

Resilient people are realists that, when faced with difficulty, either on the job or outside the job, have an inherent ability to improvise a solution.

As always, I appreciate your efforts to provide quality services to the State and the Citizens of Nebraska!

Ed Toner

https://cio.nebraska.gov/blog/2023/06/Resiliency.html