

# Network Nebraska Initiative Action Items (Recommendations for 2014-2016)

## 1. Identify Tier II communities that offer opportunities for aggregation for services onto the network.

**N1a Action:** The CAP will work with communities that express an interest in aggregating their public sector data transport.

**Lead:** Network Nebraska (CAP)

**Participating Entities:** Specific communities, NITC Education Council, Nebraska League of Municipalities, Nebraska Association of County Officials, and public libraries

**Timeframe:** 2012-2014

**Funding:** No funding requested for this action item at this time.

**Status:** Discontinuation

**N1b Action:** Education entities will act as primary tenants to encourage the aggregation of data transport by ~~community anchor institutions~~ public libraries through leased circuits.

**Lead:** K-12 districts, ESUs, colleges/universities

**Participating Entities:** Specific communities, Office of the Chief Information Officer, NITC Education Council, ~~Nebraska League of Municipalities, Nebraska Association of County Officials,~~ Nebraska Library Commission, and public libraries

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** **Continuation with minor revisions**

## 2. The Chief Information Officer will continue the LB 1208 implementation by annually bidding infrastructure and connectivity for new regions of participants and developing the most cost-effective and efficient support structure possible for the statewide network.

**N2a Action:** The Network Nebraska network design/support team will develop a service level agreement with local and regional education entities in order to develop a cooperative support system for the statewide education network that will insure data transport and synchronous video reliability.

**Lead:** Network Nebraska (CAP)

**Participating Entities:** Network Nebraska—Education Advisory Group, ESU-NOC, Higher education entities, NITC Education Council

**Timeframe:** 2012-2014

**Funding:** No funding requested for this action item at this time.

**Status:** Completed

**N2b Action:** The Chief Information Officer will ~~annually update~~ encourage the use of the State master purchase contracts for edge devices and monitor the local site purchases of such equipment in order to promote and encourage network equipment standardization.

**Lead:** Office of the Chief Information Officer

**Participating Entities:** Office of the Chief Information Officer, ESU-NOC, Education Council, Network Nebraska-Education Advisory Group

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** **Continuation with minor revisions**

### 3. Offer Internet I services to eligible network participants.

**N3 Action:** The Collaborative Aggregation Partnership (CAP) will accept new orders for Internet service and continue to aggregate purchasing demand to secure a more economical price for statewide Internet service.

**Lead:** Network Nebraska (CAP)

**Participating Entities:** Office of the Chief Information Officer, NITC Education Council, ESU-NOC, Higher Education Entities, Network Nebraska-Education Advisory Group

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation

### 4. Prepare for the future of Network Nebraska as a statewide, multipurpose, high capacity, scalable telecommunications network that shall meet the demand of state agencies, local governments, and educational entities as defined in section 79-1201.01.

**N4a Action:** Develop appropriate participation criteria (e.g. type of entity, bandwidth expectations, differential fees) and ~~a differential catalog of services and fees~~ for Network Nebraska to serve all network participants (i.e. public/nonpublic K-12, public/nonpublic higher education, public libraries, others).

**Lead:** Network Nebraska—Education Advisory Group

**Participating Entities:** Network Nebraska (CAP), NITC Education Council

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**N4b Action:** ~~Charter a work group to research advanced network~~ Develop a catalog of services for Network Nebraska participants.

**Lead:** Network Nebraska—Education Advisory Group,

**Participating Entities:** NITC Education Council, Network Nebraska (CAP)

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**N4c Action:** Bi-annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.

**Lead:** Education Council Marketing Task Group

**Participating Entities:** Network Nebraska—Education Advisory Group.

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation with minor revisions

**N4d Action:** Annually update the Network Nebraska Marketing Plan.

**Lead:** Education Council Marketing Task Group

**Participating Entities:** Network Nebraska—Education Advisory Group.

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** Continuation

**N4e Action:** Develop and deploy an enterprise MCU bridging service for Network Nebraska participants.

**Lead:** Office of the Chief Information Officer

**Participating Entities:** Network Nebraska (CAP), Network Nebraska Advisory Group, ESU Coordinating Council, ESUs, higher education entities

**Timeframe:** 2012-2014

**Funding:** No funding requested for this action item at this time.

**Status:** **Completed**

**N4f Action:** Facilitate the implementation and training of IPv6 routing on a timely basis across all Network Nebraska entities.

**Participating Entities:** Network Nebraska (CAP), Office of the Chief Information Officer, Network Nebraska Advisory Group, ESU-NOC, higher education entities

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** No funding requested for this action item at this time.

**Status:** **Continuation**

**N4g Action:** Address the need for multiple Internet egress points and redundant transport pathways within the Network Nebraska backbone.

**Lead:** Network Nebraska Advisory Group

**Participating Entities:** Collaborative Aggregation Partnership, Education Council Services Task Group, ESU Network Operations Committee

**Timeframe:** 2014-2016

**Funding:** Substantial funding may be required for this action item

**Status:** **New**

## **Digital Education Initiative Action Items Recommendations for 2014-2016:**

**D1 Action:** Promote the usage of the National Repository for Online Courses (NROC) content by Nebraska educators.

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council

**Timeframe:** ~~2012-2014~~ 2014-2016

**Funding:** Some funding will be required to complete this action item.

**Status:** **Continuation with minor revisions**

**D2 Action.** Set a deadline, and establish standard(s) related to the deployment, administration and maintenance of content management systems by K-12 schools.

**Lead:** NITC Technical Panel

**Participating Entities:** ESU Coordinating Council, Distance Education Council, Nebraska Educational Telecommunications

**Timeframe:** 2012-2014

**Funding:** No funding is requested for this action item at this time.

**Status:** **Discontinuation**

**D3 Action:** ~~Develop and~~ Fully deploy a statewide digital content repository interface that allows the assignment of digital property rights and the uploading, cataloguing, metatagging, searching, and downloading of digital learning objects by Nebraska educators.

**Lead:** Nebraska Educational Telecommunications (NET) & ESU Coordinating Council

**Participating Entities:** Nebraska Department of Education, Education Council Services Task Group, ESU Instructional Materials Committee, ESU Distance Education Advisory Committee

**Timeframe:** 2012-2014 2014-2016

**Funding:** Considerable funding will be required to complete this action item.

**Status:** Continuation with minor revisions

**D4a Action:** Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12, ~~and to also train teachers in effective instructional design to integrate synchronous and asynchronous technologies.~~

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council, ESU Technology Affiliate Group

**Timeframe:** 2012-2014 2014-2016

**Funding:** Considerable funding will be required to complete this action item.

**Status:** Continuation with minor revisions

**D4b Action:** ~~Develop and deploy a statewide learning management system for every K-12 teacher and learner, grades 6-12, and to also~~ Train teachers in effective instructional design to integrate synchronous and asynchronous technologies.

**Lead:** ESU Coordinating Council

**Participating Entities:** NITC Education Council, ESU Technology Affiliate Group

**Timeframe:** 2012-2014 2014-2016

**Funding:** Some funding will be required to complete this action item.

**Status:** Continuation with minor revisions

**D5 Action:** ~~Develop and deploy~~ Coordinate and facilitate a statewide directory services ~~structure federation effort~~ that will enable students and teachers a single sign-on to associated learning management services and content management resources.

**Lead:** Nebraska Department of Education (NDE) & ESU Coordinating Council

**Participating Entities:** ESU-NOC, ESU-iMAT

**Timeframe:** 2012-2014 2014-2016

**Funding:** Some funding will be required for this action item

**Status:** Continuation with minor revisions

**D6 Action:** Coordinate and facilitate a statewide data dashboard system that allows teachers and administrators the ability to merge local achievement data with statewide testing data to depict each student's academic progress.

**Lead:** Nebraska Department of Education

**Participating Entities:** ESUCC

**Timeframe:** 2014-2016

**Funding:** Substantial funding may be required for this action item

**Status:** New

**D7 Action:** Research the potential feasibility of a software-based, individualized education plan for every Nebraska K-12 student that shows their progress on every state academic standard.

**Lead:** Nebraska Department of Education

**Participating Entities:** ESUCC

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

**D8 Action:** Provide guidelines for cooperation between K-12 and higher education institutions regarding K-12 students who are taking dual-credit courses using interactive videoconferencing technology.

**Lead:** ESU Distance Education Advisory Committee

**Participating Entities:** Nebraska Community Colleges, Nebraska State Colleges, University of Nebraska, Coordinating Commission for Postsecondary Education

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

**D9 Action:** Provide professional development in a "flipped learning" concept where the teaching is done on-line to provide professional developers a greater opportunity for coaching and mentoring activities during the in-person contact time.

**Lead:** ESU Technology Affiliate Group

**Participating Entities:** ESU Staff Development Affiliate

**Timeframe:** 2014-2016

**Funding:** No funding required for this action item

**Status:** New

## **E-Government Initiative Action Items Recommendations for 2014-2016**

**E1 Action:** ~~Maintain~~ Annually review and update the content of the Education Portal on the State of Nebraska website.

**Lead:** Nebraska.gov (Nebraska Interactive LLC)

**Participating Entities:** Education Council Marketing Task Group

**Timeframe:** 2012-2014 2014-2016

**Funding:** No funding requested for this action item at this time

**Status:** Continuation with minor revisions

Legend:

**NX** = Completion or Discontinuation

**NX** = Continuation

**NX** = New