Network Nebraska Initiative Action Items, 2012-2016
Action Item Update presented to the NITC, 12/10/2013

Narrative: Network Nebraska-Education is about to enter its eighth summer of participant growth, with up to 28 new entities expected to come aboard on 7/1/2014. Network Nebraska-Education was recently recognized by NASCIO as the top Cross-Boundary Collaboration and Partnership project among 12 other state I.T. nominees. Statewide Internet access continues to be one of the most recognized benefits of participating with Network Nebraska-Education as the statewide contracted unit rate is expected to be reduced, again, by nearly 50% for 2014-15. Network Nebraska will have transported over 575 video distance learning courses by the close of the 2013-14 school year. New services to be implemented during 2013-14 include Commercial Peering Service through Internet2, Intrusion Protection Services, and a possible dark fiber transport project to Grand Island. Recent inquiries about Network Nebraska's participation level, governance, and cost recovery models have originated from the states of Arizona, Arkansas, Kansas, Maine, West Virginia, and Wisconsin.

1) **Action**: Education entities will act as primary tenants to encourage the aggregation of data transport by public libraries through leased circuits.
Status: Continuation for 2014-2016; Office of the CIO staff will work through the Nebraska Library Commission to contact public libraries that pose a good match for the Network Nebraska connectivity and cost model.

2) **Action:** The Chief Information Officer will encourage the use of the State master purchase contracts for edge devices and other equipment and monitor the local site purchases of such equipment in order to promote and encourage network equipment standardization.
Status: Continuation for 2014-2016; The Office of the CIO plans to list all eligible purchase contracts on the new Network Nebraska website. Entities are encouraged to comply with the NITC standards for hardware purchases and report new equipment through http://www.networknebraska.net/equipment.shtml **.**

3) **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.
Status: Continuation for 2014-2016; The University of Nebraska has a new Internet access contract with Windstream and the State of Nebraska has an existing Internet access contract with Unite Private Networks. Both rates are expected to decrease for 2014-15 amidst higher purchase demands for the same period.

4) **Action:** Develop appropriate participation criteria (e.g. type of entity, bandwidth expectations, differential fees) for Network Nebraska to serve all network participants (i.e. public/nonpublic K-12, public/nonpublic higher education, public libraries, others).
Status: Continuation for 2014-2016; A Network Nebraska Advisory Group subcommittee is working to draft this participation criteria in time for their January 15 NNAG meeting.

5) **Action:** Develop a catalog of services for Network Nebraska participants.
   Status: Continuation for 2014-2016; A Network Nebraska Advisory Group subcommittee is working to draft this service catalog in time for their March 19 NNAG meeting.

6) **Action:** Bi-annually reissue the Network Nebraska Marketing Survey and subsequent Report to help steer the strategic direction of Network Nebraska—Education.
   Status: Continuation for 2014-2016; Significant data was collected in 2011 about network services that should help inform the Network Nebraska Advisory Group and Collaborative Aggregation Partnership about future services over the next year.

7) **Action:** Annually update the Network Nebraska Marketing Plan.
   Status: Continuation for 2014-2016; The Education Council's Marketing Task Group will resume the update of the Marketing Plan in early 2014.

8) **Action**: Facilitate the implementation and training of IPv6 routing on a timely basis across all Network Nebraska entities.
   Status: Continuation for 2014-2016; The Network Nebraska Advisory Group subcommittee on technologies will resume planning for IPv6 migration in late 2014.

9) **Action**: Address the need for multiple Internet egress points and redundant transport pathways within the Network Nebraska backbone.
   Status: New for 2014-2016; A second Internet provider has been contracted for service and multiple aggregation circuits are to be bid in the upcoming RFP.

10) **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.
    Status: Completed in 2012-2013; The Memorandum of Agreement has been finalized, distributed, and signed by almost all of the 261 entities at the time of this writing.

11) **Action**: Develop and deploy an enterprise MCU bridging service for Network Nebraska participants.
    Status: Completed in 2012-2013; This enterprise MCU bridging service was recommended for purchase by the Network Nebraska Advisory Group for 2011-12 at 10 simultaneous ports and increased to 12 simultaneous ports for 2012-13 and 2013-14.

12) **Action:** The CAP will work with communities that express an interest in aggregating their public sector data transport.
    Status: Discontinued in 2013; In order to maintain the simplicity of Network Nebraska-Education inclusive of all public and private K-12 and higher education entities in the state, this action item will be deleted for 2014-2016. Local government has other connectivity options through the Office of the CIO.