

**Network Nebraska—Education Advisory Group Meeting #4**  
**Thursday, December 17, 2009; 1:00pm-4:00pm CT**

Host site: Varner Hall, Lower Level VC Room, 3835 Holdrege St., Lincoln, NE

Remote 1: ESU 10, Videoconference Room, 76 Plaza Blvd., Kearney, NE

Remote 2: Wayne State College, Technology Building, Wayne, NE

Remote 3: Alliance

Remote 4: SCC, Milford

Remote 5: MPCC, North Platte

**Agenda**

1. Welcome, Roll Call, Introductions
2. Review 11/16/2009 Meeting (Co-chairs)
  - a. [Meeting Notes of 11/16/2009](#)
  - b. Feedback from November Meeting
  - c. Comment on the meeting format
  - d. What can we do to improve the flow of the meeting?
3. Network Nebraska [Marketing Survey](#) update (SuAnn Witt)
  - a. Timeline
  - b. Distribution
  - c. Sample Data
4. Network Nebraska Budget
  - a. Revisions to the [2009-2010 document](#) (e.g. Revenue received)
  - b. Discussion of the 2010-2011 Network Nebraska Participation Fee
    - i. Input from advisory members
    - ii. [Traffic Shaper RFP](#)
    - iii. Help desk
  - c. Recommendation of [Affiliate Member Category and Associated Fees](#)
    - i. Affiliate Member Category Names
    - ii. Affiliate Member Category Fees
    - iii. Affiliate Member Category Criteria for Membership
  - d. Discussion of the 2010-2011 Network Nebraska Interregional Transport Fee
    - i. Transport costs
    - ii. [New College Park Aggregation Circuit RFP](#)
    - iii. [Internet Access RFP](#)
5. Next Meeting Date & Location

**List of Supporting Documents:**

- Meeting notes, 11-16-2009
- Internet Access RFP
- Traffic Shaper RFP
- Network Nebraska Participation Fee Budget
- Interregional Transport Fee Budget
- Affiliate Member Proposal Document
- Diagram of Network Nebraska Backbone segments and costs

## **Network Nebraska—Education Advisory Group Meeting #3**

**Monday, November 16, 2009; 1:00pm-4:00pm CT**

**Host site: NET Board Room, 1800 N. 33<sup>rd</sup>, Lincoln, NE**

Remote 1: Mid-Plains Community College, McDonald Belton Room 143, North Platte

Remote 2: University of Nebraska-Kearney, Kearney

Remote 3: Wayne State College, Technology/Admin Building, Wayne

Remote 4: Alliance Learning Center, Alliance

Remote 5: Peru State College, Peru

Remote 6: Pope John XXIII, Elgin

### **Meeting Notes**

K-12 Attendance: John Stritt (Lincoln), Bob Uhing (Wayne), Dan Hoelsing (Alliance), Gary Monter (Kearney), Scott Jones (North Platte), Betty Getzfred (Elgin), Mike Danahy (Lincoln)

H.E. Attendance: Debbie Schroeder (Kearney), Gene Beardslee (Peru), Dennis Linster (Wayne), Ken Clipperton (Lincoln), Lyle Neal (Lincoln), Charles Osteen (North Platte)

CAP Liaison Attendance: Rick Golden, Leona Roach

Absent: Kirk Langer, Mike Ruhrdanz, Tip O'Neill, Michael Winkle, Stacey Decker, Brenda Decker, Don Phares, Walter Weir

Staff: SuAnn Witt, Tom Rolfes, Steve Schafer

1. Co-Chair John Stritt convened the meeting at 1:04pm and welcomed attendees to the third meeting of the Network Nebraska Advisory Group.
2. Members introduced themselves at the seven videoconferencing locations. Roll Call found thirteen members and two CAP liaisons present.
3. The [Meeting Notes from 9/18/2009](#) were reviewed. There were no corrections from Meeting #2.
4. Co-Chairs John Stritt and Dennis Linster reviewed with the group the [Network Nebraska Participation Fee Budget Summary](#), item by item. Steve Schafer from the Office of the CIO and Rick Golden responded to questions about the various aspects of the budget. Tom Rolfes reminded the advisory group members that the 2006-07 operational deficit (\$70,000/year x 3) will be retired in June 2011 and then that difference can either be applied to additional spending authority on behalf of the network or a reduction in Participation Fees or both. Rick Golden highlighted that the hardware and software expenditures related to the network are being shared 50% with the University of Nebraska. The yellow highlighted items are new or changed since the 2008 budget and some of them (e.g. College Park remodeling) are one-time expenditures. Key distinctions of Network Nebraska versus other state networks were: Network Nebraska--Education is totally self-supported by members/participants; monthly cost is irrelevant of size of entity; the transport for the various sub-networks (e.g. telehealth, state government, K-20 education) are pretty much kept separate although there are price advantages being shared through cooperative purchasing agreements.
5. Co-Chairs John Stritt and Dennis Linster reviewed with the group the Network Nebraska Interregional Transport Fee Budget Summary, item by item. Although the interregional transport bandwidth and costs increased by 25% over 2008, the monthly costs remained the same due to the 49 new members joining Network Nebraska. If bandwidth and costs increase again in 2010, then the monthly cost may increase since very few new members are expected for 2010-11. Rick Golden reminded the advisory group members that the State and University disaster recovery transport between Lincoln and Omaha are being offered to Network Nebraska at no cost. If this wasn't happening, the monthly interregional transport costs would even be higher.

6. Co-Chair Dennis Linster reviewed the SWOT analysis and conclusions/recommendations from the [Network Nebraska Marketing Survey Report](#) with the advisory group members. The members commented that several of the weaknesses identified in the 2008 survey had been addressed (e.g. leadership/governance, membership, communication, help desk/support) but that more progress could be made. The members agreed that as the network matures that bandwidth, reliability, and reduced costs are still of paramount importance. Eventually, more advanced services will be able to be researched and deployed. Co-Chair John Stritt asked for each person's feedback on the Market Survey, which led to additional positive suggestions for the survey administration and new questions. Mike Danahy suggested gathering additional data from personal interviews, LAN manager meetings, and network reliability statistics.
7. Co-Chair Dennis Linster reviewed the recommendations and action items from the [Network Nebraska Marketing Plan](#):
  - a. Annually reissue the market survey (to be sent out on Dec. 1)
  - b. Conduct in-depth research of existing services and levels of satisfaction (market survey?)
  - c. Conduct focus group interviews and visits with nonmembers to determine challenges limiting their participation
  - d. Institute an electronic newsletter to current members
  - e. Update the Network Nebraska website
  - f. Develop marketing materials targeted at nonmember subgroups of Network Nebraska
8. Co-Chair John Stritt asked for a motion to Approve the [Charter](#)\*. **Bob Uhing moved, and Ken Clipperton seconded, to approve the charter.** Mike Danahy suggested adding Desired Goal "h" as "Encourage CISSP-certified network design throughout Network Nebraska—Education." Dennis Linster asked that the terms of the co-chairs be defined under "Leadership". **With those changes included, the advisory group voted 13-0 using a roll call vote: Stritt-Yes, Uhing-Yes, Hoesing-Yes, Monter-Yes, Jones-Yes, Getzfred-Yes, Danahy-Yes, Schroeder-Yes, Beardslee-Yes, Linster-Yes, Clipperton-Yes, Neal-Yes, Osteen-Yes.**
9. Co-Chair Dennis Linster added an agenda item to report the NITC Education Council action item discussion of 11/2/09. At this meeting, it was discussed that the advisory group will be reviewed for viability and efficacy starting before July 2010. The advisory group could become a standing committee of the Education Council. It may also be necessary to meet more frequently (i.e. monthly) until the major network decisions and recommendations have been made.
10. Updates (Staff)
  - a. Network Nebraska Internet RFP—Tom Rolfes reported that the Internet Access RFP would be released by State Purchasing by November 23 and be evaluated and awarded as quickly as possible. It asked for bids for Internet access out of Omaha, Grand Island and Lincoln.
  - b. Traffic Shaper RFP—Leona Roach reported that the Traffic Shaper draft RFP is being reviewed by UNL Purchasing for release in early December. It was modified to include bids for Omaha, Grand Island and Lincoln.
  - c. Phase IV New Membership—Tom Rolfes reported more new member outreach is needed and that only a few new higher education entities are expected to join Network Nebraska by July 2010. A number of nonprofit entities (e.g. museums and professional associations) have inquired about Network Nebraska participation but will be waiting to hear more about Affiliate Member categories and costs.
  - d. [Service Level Agreement](#)—Tom Rolfes reported that the Network Nebraska Service Level Agreement (SLA) is still in draft form but that the OCIO would like it finalized and signed by each entity in advance of the July 1, 2010 anniversary date. Co-Chair Dennis Linster suggested that the group entertain this discussion at the February meeting.

11. Discussion (Co-Chairs)

- a. Executive Director—Co-Chair Dennis Linster commented that the Marketing Survey indicated a lack of day-to-day leadership for Network Nebraska. Although the efforts of the CIO and CIO staff were laudable, most statewide networks have a full time executive director. Although the budget may not permit it at present, it is something to be discussed and considered again in the future.
- b. Membership Categories—The Co-Chairs asked that Membership Categories and Costs be held over until the next meeting and have staff send out models and costs worthy of consideration.
- c. Membership Costs—Postponed until a future meeting
- d. Helpdesk—Postponed until a future meeting
- e. Goal-setting—Postponed until a future meeting
- f. Strategic planning—Postponed until a future meeting

12. Next Meeting Date & Location—Co-Chair John Stritt announced that the next Advisory Group meeting would be held on the morning of Monday, December 14, unless a conflict arose. The meeting would be by videoconferencing over the ESU 10 bridge.

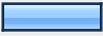
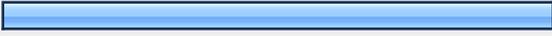
13. The meeting was adjourned at 3:55pm by voice vote.

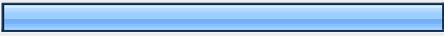
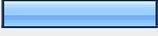
List of Supporting Documents (<http://nitc.nebraska.gov/NNAG/documents.html>) :

- Meeting notes, 9-18-2009
- Draft Internet Access RFP
- Draft Traffic Shaper RFP
- Draft Service Level Agreement
- Network Nebraska Participation Fee Budget
- Interregional Transport Fee Budget
- Diagram of Network Nebraska Backbone segments and costs

## 2009 NITC Education Council Survey

1. Please choose one for each of the following that best describes you:			
		Response Percent	Response Count
ESU		5.8%	19
K-12		79.1%	257
Higher Education		10.2%	33
Other (please specify)		4.9%	16
		<i>answered question</i>	<b>325</b>
		<i>skipped question</i>	<b>3</b>

2. And choose one:			
		Response Percent	Response Count
Private Entity		14.8%	48
Public Entity		85.2%	277
		<i>answered question</i>	<b>325</b>
		<i>skipped question</i>	<b>3</b>

3. And choose one:			
		Response Percent	Response Count
Administrator		68.0%	221
Instructor		5.2%	17
Technical		23.4%	76
Other (please specify)		3.4%	11
		<i>answered question</i>	<b>325</b>
		<i>skipped question</i>	<b>3</b>

4. And choose one:				
			Response Percent	Response Count
Existing NN Partner			61.9%	203
Potential NN Partner			16.5%	54
Interested Party			21.6%	71
			<b>answered question</b>	<b>328</b>
			<b>skipped question</b>	<b>0</b>

5. Reflecting on your experience as a Network Nebraska-Education partner, please rate the following attributes based on their relative importance to your institution:							
	Very Important	Important	Not Important	Neutral	Rating Average	Response Count	
Student Learning Opportunities	<b>80.5% (136)</b>	17.2% (29)	0.6% (1)	1.8% (3)	1.00	169	
Distance Learning and Video Conferencing	<b>60.1% (101)</b>	34.5% (58)	1.8% (3)	3.6% (6)	1.00	168	
Cost Sharing	<b>68.9% (115)</b>	28.1% (47)	1.2% (2)	1.8% (3)	1.00	167	
Shared Services	<b>54.4% (92)</b>	40.2% (68)	2.4% (4)	3.0% (5)	1.00	169	
Internet 2	32.9% (54)	<b>49.4% (81)</b>	9.1% (15)	8.5% (14)	1.00	164	
Increased Bandwidth	<b>75.0% (126)</b>	23.2% (39)	0.6% (1)	1.2% (2)	1.00	168	
Technical Support Services	<b>54.2% (91)</b>	38.1% (64)	3.0% (5)	4.8% (8)	1.00	168	
Communication and Collaboration	<b>48.5% (79)</b>	44.8% (73)	3.1% (5)	3.7% (6)	1.00	163	
Other / Comments:						3	
						<b>answered question</b>	<b>169</b>
						<b>skipped question</b>	<b>159</b>

6. Reflecting on your experience as a Network Nebraska-Education partner, please rate the following attributes based on the level of concern to your institution:						
	Very concerned	Concerned	Not concerned	Neutral	Rating Average	Response Count
Increased Costs	<b>54.6% (89)</b>	38.7% (63)	4.3% (7)	2.5% (4)	1.00	163
Reliability	<b>51.5% (85)</b>	34.5% (57)	12.7% (21)	1.2% (2)	1.00	165
Network Speed	<b>49.7% (82)</b>	39.4% (65)	10.3% (17)	0.6% (1)	1.00	165
Technical Support	35.0% (57)	<b>41.1% (67)</b>	19.6% (32)	4.3% (7)	1.00	163
Communication and Collaboration	28.0% (46)	<b>45.1% (74)</b>	21.3% (35)	5.5% (9)	1.00	164
Distance Education Coordination	33.7% (55)	<b>40.5% (66)</b>	20.2% (33)	5.5% (9)	1.00	163
Membership / Participation	21.3% (35)	<b>48.2% (79)</b>	23.8% (39)	6.7% (11)	1.00	164
Governance and Leadership	18.6% (30)	<b>43.5% (70)</b>	29.8% (48)	8.1% (13)	1.00	161
Other / Comments:						6
<b>answered question</b>						<b>165</b>
<b>skipped question</b>						<b>163</b>

7. What are the strengths of Network Nebraska-Education services?	
	Response Count
	94
<b>answered question</b>	<b>94</b>
<b>skipped question</b>	<b>234</b>

8. What are the weaknesses of Network Nebraska-Education services?	
	Response Count
	84
<b>answered question</b>	<b>84</b>
<b>skipped question</b>	<b>244</b>

9. What is the single most compelling competitive advantage that makes Network Nebraska-Education services distinctive and motivates educational entities (Educational Service Units, public and private colleges, and public and private K-12 institutions) to partner with Network Nebraska?		
		Response Count
		90
	<i>answered question</i>	90
	<i>skipped question</i>	238

10. In a short phrase, what is the guiding principle or slogan that you believe Network Nebraska-Education services stands for in the hearts and minds of its partners?		
		Response Count
		67
	<i>answered question</i>	67
	<i>skipped question</i>	261

11. What services or modifications to existing services would you like Network Nebraska-Education to provide?		
		Response Count
		61
	<i>answered question</i>	61
	<i>skipped question</i>	267

12. What do you know, or have you heard, about Network Nebraska-Education?		
		Response Count
		56
	<i>answered question</i>	56
	<i>skipped question</i>	272

13. What questions do you have about Network Nebraska-Education?		
		Response Count
		45
<i>answered question</i>		<b>45</b>
<i>skipped question</i>		<b>283</b>

14. If you were to become a Network Nebraska-Education partner, rate the following attributes based on their relative importance to your institution:						
	Very Important	Important	Not Important	Neutral	Rating Average	Response Count
Student Learning Opportunities	<b>84.1% (58)</b>	14.5% (10)	0.0% (0)	1.4% (1)	1.00	69
Distance Learning and Video Conferencing	31.3% (21)	<b>43.3% (29)</b>	13.4% (9)	11.9% (8)	1.00	67
Cost Sharing	<b>57.4% (39)</b>	35.3% (24)	4.4% (3)	2.9% (2)	1.00	68
Shared Services	35.8% (24)	<b>47.8% (32)</b>	9.0% (6)	7.5% (5)	1.00	67
Internet 2	28.8% (19)	<b>39.4% (26)</b>	18.2% (12)	13.6% (9)	1.00	66
Increased Bandwidth	<b>50.7% (34)</b>	32.8% (22)	10.4% (7)	6.0% (4)	1.00	67
Technical Support Services	<b>44.1% (30)</b>	42.6% (29)	4.4% (3)	8.8% (6)	1.00	68
Communication and Collaboration	41.2% (28)	<b>48.5% (33)</b>	2.9% (2)	7.4% (5)	1.00	68
Other / Comments:						1
<i>answered question</i>						<b>69</b>
<i>skipped question</i>						<b>259</b>

15. If you were to become a Network Nebraska-Education partner, what would be your institution's level of concern with the following attributes?						
	Very concerned	Concerned	Not concerned	Neutral	Rating Average	Response Count
Reliability	<b>84.1% (58)</b>	14.5% (10)	0.0% (0)	1.4% (1)	1.00	69
Network Speed	<b>68.6% (48)</b>	30.0% (21)	0.0% (0)	1.4% (1)	1.00	70
Technical Support	<b>62.3% (43)</b>	29.0% (20)	5.8% (4)	2.9% (2)	1.00	69
Bandwidth expectations	<b>56.7% (38)</b>	37.3% (25)	4.5% (3)	1.5% (1)	1.00	67
Communication and Collaboration	<b>47.1% (32)</b>	41.2% (28)	7.4% (5)	4.4% (3)	1.00	68
Distance Education Coordination	26.1% (18)	<b>47.8% (33)</b>	20.3% (14)	5.8% (4)	1.00	69
Membership/Participation fees	<b>69.0% (49)</b>	25.4% (18)	2.8% (2)	2.8% (2)	1.00	71
Governance and Leadership	37.9% (25)	<b>39.4% (26)</b>	15.2% (10)	7.6% (5)	1.00	66
Other / Comments:						1
<b>answered question</b>						<b>71</b>
<b>skipped question</b>						<b>257</b>

16. What is the single most compelling competitive advantage that makes Network Nebraska's services distinctive and motivates Educational entities (Educational Service Units, public and private colleges, and public and private K-12 schools) to partner in Network Nebraska?		Response Count
		35
<b>answered question</b>		<b>35</b>
<b>skipped question</b>		<b>293</b>

17. In a short phrase, what do you think should be the guiding principle or slogan that you believe Network Nebraska's services should stand for in the hearts and minds of its partners?		
		Response Count
		31
	<i>answered question</i>	31
	<i>skipped question</i>	297

18. What services would benefit your organization as a partner in Network Nebraska?		
		Response Count
		30
	<i>answered question</i>	30
	<i>skipped question</i>	298

**Network Nebraska Participation Fee FY2010**

**Cost Recovery Period**

Date of Last Revision: November 24, 2009

**Units**   **# of**   **Price**   **Cost**   **Life**   **Annualized**   **Subtotals**  
**Payments**   **Per Year**   **Cycle**   **Cost**

master lease interest rate 5%

**PROJECTED 2009-2010 COSTS**

**Equipment:**

Router -- Grand Island	0.5	1	\$ 61,100	\$30,550	5	\$6,918
Router -- Lincoln	0.5	1	\$ 61,100	\$30,550	5	\$6,918
Router -- Omaha	0.5	1	\$ 61,100	\$30,550	5	\$6,918
Network Switch -- Grand Island	1	1	\$ 5,000	\$5,000	5	\$1,132
<b>Packet Shaper at PKI</b>	<b>1</b>	<b>1</b>	<b>\$ 75,000</b>	<b>\$75,000</b>	<b>5</b>	<b>\$16,984</b>

**Subtotal**

\$38,871

**Equipment Maintenance:**

Router -- Grand Island	0.5	1	\$ 6,200	\$3,100	1	\$3,100
Router -- Lincoln	0.5	1	\$ 6,200	\$3,100	1	\$3,100
Router -- Omaha	0.5	1	\$ 6,200	\$3,100	1	\$3,100
Network Switch -- Grand Island	1	1	\$ 800	\$800	1	\$800
<b>Packet Shaper at PKI (maintenance)</b>	<b>1</b>	<b>1</b>	<b>\$ 15,000</b>	<b>\$15,000</b>	<b>1</b>	<b>\$15,000</b>

**Subtotal**

\$25,100

**Backbone Data Circuit Costs:**

Grand Island to Omaha	0	12		\$0	1	\$0
Lincoln to Omaha	0	12		\$0	1	\$0
Grand Island to Lincoln	0	12	\$ 1,600	\$0	1	\$0

**Subtotal**

\$0

**QMOE:**

Omaha	0	12	\$ 2,764	\$0	1	\$0
Lincoln	0	12	\$ 2,182	\$0	1	\$0
Grand Island	0	12	\$ 2,215	\$0	1	\$0
Installation Costs	3	1	\$ 1,200	\$3,600	3	\$1,295

**Subtotal**

\$1,295

**Software:**

Intermapper Maintenance	0.5	1	\$ 820	\$410	1	\$410
Probe Maintenance	0.5	1	\$ 5,600	\$2,800	1	\$2,800
Ngenious Mgr Maintenance	0.5	1	\$ 7,000	\$3,500	1	\$3,500
Stat Seeker Maintenance	0.5	1	\$ 5,000	\$2,500	1	\$2,500
Whatsup Maintenance	0.5	1	\$ 2,500	\$1,250	1	\$1,250
Netcool Maintenance	0.5	1	\$ 10,000	\$5,000	1	\$5,000
Netcool	0.5	1	\$ 50,000	\$25,000	5	\$5,661

**Subtotal**

\$21,121

**Staff Support -- University of Nebraska**

Several positions (to be itemized)	1	1	\$160,000	\$160,000	1	\$160,000
Training	1	1	\$ 1,875	\$1,875	1	\$1,875
Travel	1	1	\$ 2,000	\$2,000	1	\$2,000

**Subtotal**

\$163,875

**Staff Support -- Office of the CIO (Network Services)**

State Network Coordinator (including benefits)	0.6	12	\$ 6,230	\$44,853	1	\$44,853
Credit for labor support for Scheduling System Hosting Service	15	12	\$(72.25)	-\$13,005	1	-\$13,005
State Network Analyst / Senior (including benefits)	1	12	\$ 4,822	\$57,869	1	\$57,869
State Network Supervisor (including benefits)	0	0	\$ -	\$0	1	\$0
Training	1	1	\$ 2,000	\$2,000	1	\$2,000
Travel	1	1	\$ 2,000	\$2,000	1	\$2,000

**Subtotal**

\$93,717

**Other:**

Polycom Dues	1	1	\$ 99	\$99	1	\$99
SEGP	1	1	\$ 36,000	\$36,000	1	\$36,000
<b>WS-C3560G-24TS-E Catalyst 3560 24 10/100/1000T + 4 SFP + IPS Image</b>	<b>1</b>	<b>1</b>	<b>\$ 4,200</b>	<b>\$4,200</b>	<b>3</b>	<b>\$1,511</b>
Expand wiring closet at G.I.	0.5	1	\$ 11,000	\$5,500	5	\$1,246
Wiring Closet Rental at G.I.	0.5	1	\$ 7,500	\$3,750	1	\$3,750
Proximity access system	0.5	1	\$ 13,000	\$6,500	5	\$1,472
Automatic Notification System	1	12	\$ 600	\$7,200	1	\$7,200

**Subtotal**

\$51,277

**(Categorical) Subtotal**

**\$395,256**   **\$395,256**

Estimated Loss From FY2009	1	1	\$13,144	\$13,144	2	\$6,920
Estimated Loss from FY2008	1	1	\$ -	\$0	3	\$70,025
Indirect Cost Allocation (Interregional Transport Fee)	10%	1	\$241,182	\$24,118	1	\$24,118
Indirect Cost Allocation (Participation Fee)	10%	1	\$395,256	\$39,526	1	\$39,526

**(Indirect and Debt Recovery) Subtotal**

**\$140,588**

**Total Projected Expenditures**

**\$535,844**   **\$535,844**

**PROJECTED 2009-2010 REVENUE**

**Projected Units of Revenue**

232

**Annual Cost Per Unit**

\$ 2,309.67

**Monthly Cost Per Unit**

\$ 192.47

**Total Projected Revenue**

**\$ 535,844**

**NOTE: Cost changes since FY 2009 are highlighted in yellow.**

## Membership Categories for Network Nebraska—Education (12/17/2009)

### Current “Full Membership” comprises:

014 ESU entities (16, if including LPS and OPS)  
206 K-12 public entities  
001 K-12 nonpublic entity  
010 Higher Ed entities  
231 TOTAL ENTITIES

### Growth Potential:

003 ESU entities  
057 K-12 public entities  
004 K-12 nonpublic entities  
013 Higher Ed entities  
077 TOTAL ENTITIES

### Criteria for Full Membership:

- Assume the monthly Network Nebraska Participation Fee (\$192.47 for 2009-10)
- Assume the monthly Network Nebraska Interregional Transport Fee (\$34.48 for K-12 for 2009-10 & \$92.72 for Higher Ed for 2009-10)
- Compliance with NITC Technical Standards <http://nitc.nebraska.gov/standards/>, including CISSP CBK
- Purchase appropriate WAN transport to one of three Network Nebraska aggregation points (Omaha-PKI, Lincoln-Nebraska Hall, Grand Island-College Park)
- And for LB 1208 funding eligibility, K-12 public must connect with 30Mbps WAN transport or greater with fiber-based Ethernet or with fast Ethernet over copper
- And for E-rate eligibility, K-12 public/private entities must have current Letter of Agency on file with the Office of the CIO; current Technology Plan approved by the Nebraska Dept of Education; and also demonstrate CIPA compliance via Form 479

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### Proposed “Affiliate Membership” would comprise:

XXX Nonprofit Museums, Science Centers  
XXX Public Libraries or Public Library Consortia  
XXX Private Career Schools  
XXX Nonprofit Associations of Education  
XXX Natural Resource Districts  
XXX TOTAL ENTITIES

### Maximum Growth Potential:

~020 Museums, Science Centers  
~010 Public Libraries and/or Consortia  
~010 Private Career Schools  
~010 Nonprofit Education Associations  
~023 Natural Resource Districts  
~073 TOTAL ENTITIES

### Proposed Criteria “Option 1” for Affiliate Membership:

- Assume 1/3 of the monthly Network Nebraska Participation Fee (\$64.16 for 2009-10)
- Assume 1/3 of the monthly Network Nebraska Interregional Transport Fee (\$30.91 for 2009-10)
- Compliance with NITC Technical Standards <http://nitc.nebraska.gov/standards/>, including CISSP CBK
- Purchase appropriate WAN transport (e.g. 3Mbps-10Mbps) to one of three Network Nebraska aggregation points (Omaha-PKI, Lincoln-Nebraska Hall, Grand Island-College Park)
- [\$95.07/month OR \$1,140.84/year x # entities, up to \$83,281/year]

### Proposed Criteria “Option 2” for Affiliate Membership:

- Assume 1/2 of the monthly Network Nebraska Participation Fee (\$96.24 for 2009-10)
- Assume 1/2 of the monthly Network Nebraska Interregional Transport Fee (\$46.36 for 2009-10)
- Compliance with NITC Technical Standards <http://nitc.nebraska.gov/standards/>, including CISSP security
- Purchase appropriate WAN transport (e.g. 3Mbps-10Mbps) to one of three Network Nebraska aggregation points (Omaha-PKI, Lincoln-Nebraska Hall, Grand Island-College Park)
- [\$140.60/month OR \$1,712.20/year x # entities, up to \$124,917/year]
- Use Affiliate Membership funds to rebate \$50/hour for value-added seminars and programming extended to Network Nebraska “Full Membership” entities
- Would require licensing of one or more codecs with the Renovo Event Scheduling and Clearinghouse

Related Statutes:

**86-5,100** *The Chief Information Officer shall provide access to each school district, each educational service unit, each community college, each state college, and the University of Nebraska at the earliest feasible date and no later than July 1, 2012. The network shall consist of contractual arrangements with providers to meet the demand of state agencies, local governments, and educational entities as defined in section [79-1201.01](#). The Chief Information Officer shall establish a cost structure based on actual costs plus administrative expenses and shall charge participants according to such cost structure.*

**79-1201.01(3)** *Educational entity means a school district, a private, denominational, or parochial school, an educational service unit, a community college, a state college, the University of Nebraska, or a nonprofit private postsecondary educational institution;*

NOTE: A billed "Entity", for purposes of Network Nebraska is as defined as 79-1201.01, except when an entity has multiple offices or locations with separate circuits that are not sub-aggregated at the entity level (e.g. ESU 13, Creek Valley Public Schools). In these cases, the second or third location will be charged additional Network Nebraska fees.

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**CISSP CBK (Certified Information Systems Security Professional Common Body of Knowledge)**-- is an independent information security certification governed by the not-for-profit International Information Systems Security Certification Consortium, commonly known as (ISC). The CISSP CBK establishes a common framework of information security terms and principles that allow information security professionals worldwide to discuss, debate and resolve matters pertaining to the information security profession with a common understanding.

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**Museums, Science Centers include, but are not limited to:**

Ashfall Fossil Beds (Royal)  
Strategic Air and Space Museum (Ashland)  
Homestead National Monument (Beatrice)  
Stuhr Museum of the Prairie Pioneer (Grand Island)  
Scotts Bluff National Monument (Scottsbluff)  
Museum of Natural History [Morrill Hall] (Lincoln)  
Lincoln Children's Zoo & LPS Science Focus Program (Lincoln)  
Henry Doorly Zoo (Omaha)  
Joslyn Art Museum (Omaha)  
Durham Museum (Omaha)  
Museum of Nebraska History (Lincoln)  
Museum of Nebraska Art (Kearney)  
Edgerton Explor-It Center (Aurora)  
Hastings Museum & Planetarium (Hastings)  
Harold Warp Pioneer Village (Minden)  
Bailey Railroad Yard & Museum (North Platte)  
Chimney Rock National Historic Site (Bridgeport)  
The Museum of the Fur Trader (Chadron)  
Mari Sandoz High Plains Heritage Center (Chadron)  
Fort Robinson (Crawford)

**Public Library and/or Consortia include, but are not limited to:**

Nebraska Library Commission  
Regional Library Systems (Omaha, Lincoln, Columbus, Kearney, Hastings, Scottsbluff)  
Local Libraries (Bellevue, Grand Island, Fremont, North Platte, Norfolk, Papillion, Beatrice, etc...)

**Private Career Schools include, but are not limited to:**

Schools of barbering/cosmetology, business, driver training, massage therapy, modeling, nursing & allied health, real estate, trades & technical, miscellaneous

**Nonprofit Education Associations include, but are not limited to:**

- Nebraska Association of School Boards
  - Nebraska Council of School Administrators
  - ESU Coordinating Council
  - Nebraska School Activities Association
  - Nebraska Community College Association
  - Association of Independent Colleges and Universities of Nebraska
  - Nebraska Bar Association Foundation
  - Nebraska Humanities Council
  - Nebraska Art Council
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Other statewide network fee structures....

**MORENET (Missouri Research and Education Network )**

- Based on student FTE as reported by the Missouri Department of Higher Education
  - 0 to 1,500 FTE: \$6,160/year
  - 1,501 to 5,000 FTE: \$8,065/year
  - 5,000+ FTE: \$11,200/year
- Plus an annual connectivity fee of \$1500/T-1, \$4800/10Mbps, \$13,200/40Mbps, \$28,000/100Mbps

**Washington K-20 Network**

- Annual Connectivity fee of \$2400/T-1, \$10,560/10Mbps, \$17,760/40Mbps, \$32,160/100Mbps
- Plus an Internet fee of \$12.33/Mbps/month (after E-rate discounts) or \$20.55/Mbps/month before E-rate

**Kansas KAN-REN Network**

- Based on network reliability and response time

Member Class:	Uptime Target:	Support Hours:	Support Depth:	Annual Fee:
Class A1:	99.99%	24/7	15min/1hr + Holidays	\$64,000
Class A2:	99.99%	24/7	15min/1hr + Holidays	\$45,000
Class B:	99.9%	24/7 (no holidays)	1hr/4hrs	\$7,500
Class C:	99.9%	7-7 M-F	1hr	\$2,500
Class D:	N/A (non-connected)	N/A	N/A	\$500

- Plus a Backbone Fee by Class A1/A2 of \$4,000/month or Class B/C of \$52.75/Mbps/month