

Illinois Century Network

Policy Committee Meeting Agenda

September 17, 2007
1:00 p.m.

**ILLINOIS CENTURY NETWORK
POLICY COMMITTEE
MEETING AGENDA
September 17, 2007
1:00 p.m.**

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ILLINOIS CENTURY NETWORK

June 18, 2007 POLICY COMMITTEE MINUTES

Submitted for: Action

Summary: Distribution of the June 18, 2007 minutes for review by the Policy Committee.

Action Requested: Adoption of the June 18, 2007 minutes.

Recommended Motion: *The ICN Policy Committee adopts the June 18, 2007 minutes with any edits as noted.*

ILLINOIS CENTURY NETWORK

JUNE 18, 2007 POLICY COMMITTEE MINUTES

Lori Sorenson called the meeting to order.

Members present:

Jay Carlson, Charter Communication;
Dickson, Western Illinois University;
Norton, IL State Board of Education;
Todd Hart, Illinois Hospital Association;
Todd Jorns, IL Community College Board;
Carolyn Brown Hodge, Office of the
Lt. Governor;

Kathleen Bloomberg, Illinois State Library;; Mike
Lynn Murphy, Board of Higher Education; Scott
Chet Olson, City of Rochelle;
Bonnie Styles, Illinois State Museum;
Doug Kasamis, Central Management
Services;

Springfield staff and guests:

Kirk Mulvany, Central Management Services;
Daniel, Central Management Services;
Tom Oseland, Central Management Services;

Lori Sorenson, Central Management Services; Cindy
Stacey Pedrucci, Central Management Services;
Cindi Hitchcock, Central Management Services.

Chicago staff and guests:

Rafael Diaz, Central Management Services;

Robin Woodsome, Central Management
Services

Announcements and Remarks

Jay welcomed everyone and made a brief comment on the Policy Committee's responsibility to ensure diverse membership on the Advanced Engineering Taskforce as well as consistent participation. In his opinion, the Advanced Engineering Taskforce plays a critical role in shaping the architecture of the ICN.

Lori announced that the final Next Century Network report had been sent to the printer. The report will be sent to members of the General Assembly, Governor's Office, Policy Committee, Advanced Engineer Taskforce, Planning Leadership Committee and constituents via email. It will also be posted as a PDF file on the website.

Lori also shared that planning is underway for the annual regional meetings in the fall. They have been well attended in past years and offer good feed back from constituents.

Lori announced that today's meeting is the last for Lynn Murphy who is retiring at the end of the month. Lynn has been involved in the ICN since its inception in both a staff capacity and later as a Policy Committee member. Members of the Committee thanked Lynn for her service and extended their well wishes for a wonderful retirement. Lori shared a few other staff changes – Beth O'Mahoney has left state government and transitioned to the private sector. Stacey Pedrucci has filled Cindy Daniele's position as Lori's administrative assistant.

Minutes

Jay introduced the first item on the agenda, the approval of the minutes from the February 20, 2007 meeting. Jay asked for a motion to approve the minutes.

Motion: Jay moved; Chet Olson seconded that the minutes be approved. Motion carried.

E-Rate

Tom Oseland provided an E-Rate update. As of June 18th approximately \$14,000 had been received for library connections in Funding Year Eight (2005-2006). The full application totals approximately \$44,000. The Funding Year Eight school application has been approved at approximately \$2.6 million. Staffs are in the process of filing forms to claim the reimbursement. The final amount will be a little less based on actual spend and adjustments to the list of participating schools.

Funding Year Nine (2006-2007) applications have been approved at a little over \$1.3 million. Staffs are beginning the process of filing forms to claim the reimbursement.

Funding Year Ten (2007-2008) applications are under review.

The KPMG audit on the Funding Year Six (2003-2004) has ended and staff are waiting for the final report.

Jay stated that he would like to see at the next meeting fiscal report that includes the appropriate, E-rate funding, and select key performance indicators to show the continued investment and competitiveness of the ICN. .

Advanced Engineering Taskforce Membership

Lori provided a membership attendance record and directed members to page 15 of the agenda packet.

After discussing how to proceed with the voting, Jay motioned to renew the following AET members for 3 more years:

- Dennis Gallo, O'Fallon CCSD 90
- Community College President's Technology Council (new name will be given)
- Mike Dickson, Western Illinois University
- Sam Ferguson, Village of Schaumburg
- Ken Spelke, UIUC
- Andrew Bullen, Illinois State Library

Motion: Jay moved; Scott Norton seconded. Mike Dickson abstained, motion carried.

The names below were brought forth by Policy Committee and AET members to fill vacant positions and to replace members who have resigned. Scott Norton motioned to fill the following spots under K-12:

- Mark A. Drone, Bond-Fayette-Effingham ROE (New Member)
- Jim Peterson, Bloomington Schools, District 87 (New Member)

Motion: Scott Norton moved; Bonnie Styles seconded. Motion carried.

Mike Dickson motioned to fill the following positions under Units of Local Government:

- Jason DeHaan, City of Chicago (New Member)

Motion: Mike Dickson moved, Lynn Murphy seconded, motion carried.

Carolyn Brown Hodge motioned to fill the following positions under State Agencies:

- Mark Kinkade, IL Department of Transportation (New Member)
- Steven Bois, IL Department of Commerce and Economic Opportunity (New Member)
- IL Toll Authority – Doug Kasamis recommended Ted Young CIO

Motion: Carolyn Brown Hodge moved, Todd Hart second, motion carried.

Backbone Update

Kirk Mulvany presented an update on the backbone network. Internet egress bandwidth has been increased from 3.8 to 6.2 gigabytes. As a result of the increasing need for egress bandwidth, staff has been working on an RFP to solicit new vendors and prices.

Staff also issued an RFP for backbone circuit upgrades and is in the process of evaluating vendor proposals. As a result of the RFP, OC3 circuits will be upgraded to OC12 circuits, and the OC12 circuits between Bloomington to Peoria and Blooming to Champaign will be upgraded to OC48 circuits.

Kirk reported that in response to the Next Century Network report, network staffs are revisiting the costs and a strategy for lighting dark fiber.

Round Table

Jay initiated a round table discussion to solicit input from Committee members on future strategies for the Committee and the ICN.

Lynn Murphy went first saying that expanding the membership of the AET will be critical to ensure diverse constituent input on ideas and strategies.

Todd Hart who is representing Brian Foster expressed the need for additional bandwidth to support the electronic health records initiative within the health care community.

Bonnie Styles reported that she believes museums are undersubscribed to the network and that the state museum will be promoting ICN connectivity at their October annual meeting. Other trends include a big push for digitization of museum collections. She mentioned that there is also interest in moving the distribution of federal money to the state level which will require improved coordination among the museums. Bonnie would also like to see an increase in collaboration and sharing of resources between museums and the K-12 schools.

Todd Jorns reported increasing interest in regional or centralized hosting of applications especially course management applications. Todd also sees an increase in the digitization of data and the exchange of data among the education community.

Kathleen Bloomberg expressed concerns with libraries being undersubscribed and a desire to understand why they are not connected. She shared that the state now has a virtual reference desk that provides patrons with 24/7 access to a Librarian.

Carolyn Hodge Brown shared several initiatives coming from the Lt Governor's Office. These initiatives include legislation that would require a study on wireless connectivity on trains, the Vince Demuzio Wireless Broadband Project, the Rural Telecommunications Congress which will be hosted in Springfield, Illinois in October, and pending legislation to codify the Rural Broadband Deployment Council.

Scott Norton reported his pleasure with the continued K-12 participation in the AET, especially the addition of Mark Drone. The State Board of Education is seeing an increasing amount of data collected electronically and shared between K-12 and higher education. He anticipates that trend to continue. Scott is actively participating in national efforts to define the School Interoperability Framework to exchange data between different applications. Scott reported that all Illinois school districts are participating in the State Board of Education's Student Information System. At the agency level, the State Board is focusing on disaster recovery and real time data recovery.

Mike Dickson emphasized the need to carry out the recommendations of the Next Century Network. Mike stated that the telecommunications providers are not keeping up with the demand indiscriminately throughout the state.

Chet Olson stated that he's sees a great deal of effort throughout the state to build local and regional networks. The ICN is the statewide backbone that will interconnect the various local and regional networks.

Jay summarized the discussion to a need to share resources and more bandwidth. He stated the focus should be on promoting the next generation network and working collaboratively to engineer and architect the future network. Jay closed by asking Committee members to begin thinking about a mission statement that can be formulated at the next meeting.

Closing

Jay thanked everyone for coming to the meeting and called for a motion to adjourn.

Motion: Lynn Murphy moved, Carolyn Brown Hodge seconded, motion carried.

ILLINOIS CENTURY NETWORK

E-RATE UPDATE

Submitted for: Information

Summary: This item provides an update regarding the E-rate program.

Action Requested: None

CENTRAL MANAGEMENT SERVICES
ILLINOIS CENTURY NETWORK

E-RATE UPDATE

As of July 31, 2007, CMS/Illinois Century Network had received \$25,948.29 in E-Rate Reimbursements during Fiscal Year 07 and \$18,152.04 in Fiscal Year 08. This represents all approved funding associated with the Funding Year 8 Library application.

FCC Forms 472 (BEAR forms), the vehicle by which applicants submit reimbursement requests to USAC, were prepared for requests associated with the Funding Year 2006 (Year 9) application. These forms were submitted to USAC on August 17, 2007. The requested amount totaled \$984,050.44 after adjustments were made to reduce the requested amounts due to unreturned CIPA compliance forms.

Final preparation is being completed for requests related to the 2005 Funding Year (8) School application. BEAR reimbursement requests will be made totaling approximately \$2,380,803.73. These forms will be submitted in early September once a complete review of actual spend is completed.

E-Rate Activity

| Funding Year | Received | Approved – Not yet received | Applied for Not yet approved | Under Appeal |
|---------------------|---------------------|--|---|--------------------------|
| Year 3 (2000) | \$2,137,765 | -0- | -0- | N/A |
| Year 4 (2001) | \$2,179,728 | -0- | -0- | \$2,274,232 ¹ |
| Year 5 (2002) | \$4,996,227 | -0- | -0- | N/A |
| Year 6 (2003) | \$4,644,171 | -0- | -0- | N/A |
| Year 7 (2004) | -0- | N/A | -0- | \$5,868,203 ² |
| Year 8 (2005) | \$ 44,100 | \$2,380,804 ³ | -0- | N/A |
| Year 9 (2006) | -0- | \$984,050 ⁴ | -0- | N/A |
| Year 10 (2007) | -0- | N/A | \$1,197,231 | N/A |
| Totals | \$14,001,991 | \$ 3,364,854 | \$1,197,231 | \$8,142,435 |

¹ The probability of receiving this Funding Request is minimal. Denial was based on the expiration of a master contract during the funding year.

² This funding request denial (based on the Letter of Agency issue) remains under appeal with the FCC. Note: The potential amount received will be significantly lower than original requested.

³ This is not a final figure. Adjustments will be made during the reimbursement process.

⁴ Reimbursement requests totaling \$984,050.44 were submitted to USAC after adjustments were made for unreturned CIPA compliance forms.

The E-rate Funding Year 10 application remains at the initial review status. It is expected that the review process will be completed relatively soon and the approved funding amounts will be known.

A request for Letters of Agency was sent out to 39 school districts on August 27, 2007. (Letters are already on file for the other districts) These forms are needed for the upcoming submission of the Funding Year 2008 (Year 11) application. Data will be gathered and analyzed to determine the eligible network bandwidth for the 2008 funding year. A complete review of connected E-rate eligible constituents, network contracts, and related anticipated spend for the funding year will take place in preparation of submission of this next application. It is anticipated that USAC will open the filing window sometime in early November of this year.

ILLINOIS CENTURY NETWORK
**ADVANCED ENGINEERING TASKFORCE:
MEMBERSHIP APPOINTMENT**

Submitted for: Action

Summary: This item seeks confirmation of Philip Bierdz as a new member to the Advanced Engineering Taskforce.

Action Requested: That the Policy Committee approves the confirmation of Philip Bierdz as a new member to the Advanced Engineering Taskforce.

Recommended Motion: *The Policy Committee approves the confirmation of Philip Bierdz as a new member to the Advanced Engineering Taskforce.*

ILLINOIS CENTURY NETWORK

**ADVANCED ENGINEERING TASKFORCE:
MEMBERSHIP APPOINTMENT**

During the past year, Philip Bierdz, Director of IT Network Operations at Moraine Valley Community College has been an active participant in the AET. Mr. Bierdz joined the AET as a result of his leadership position with the Illinois Council of Community College Administrators Technology Commission. Earlier this year, Mr. Bierdz' term with the Technology Commission expired and thus a new representative from the Commission will be named. Mr. Bierdz has expressed a desire and interest to continue participating in the AET as a representative from Moraine Valley Community College. The AET Chair Jim Flanagan and the ICN staff support the recommendation for Mr. Bierdz to continue to serve on the AET.

The graph on the next page shows a representation of the current AET membership as of the end of this fiscal year.

The staff recommends adoption of the following resolutions:

The Policy Committee approves the confirmation of Philip Bierdz as a new member to the Advanced Engineering Taskforce.

Advanced Engineering Taskforce Member Matrix 2007

| K-12 Schools | Community Colleges | Universities | Libraries | Museums | Other Institutions | Units of Local Government | State Agencies | Staff |
|--|---|---|---|---|--|--|---|--------------------|
| Chicago Public Schools (2007) | CCPTC (2010) | Michael Shelton SIU (2009) | Andrew Bullen Illinois State Library (2010) | Meredith Mahoney Illinois State Museum (2009) | Todd Cooper IL Critical Access Hospital Network (2008) | Sam Ferguson City of Schaumburg (2010) | Ryan Croke Lt. Governor's Office (2009) | Kirk Mulvany CMS |
| Jim Flanagan Maine Township Schools (2009) | Alan Pfeifer Sauk Valley Comm. College (2008) | Mike Dickson WIU (2010) | Rob Zschernitz North Suburban Library System (2009) | Cheryl Obermeyer Chicago Hist. Society (2008) | | Ken Terrinoni Boone County (2009) | Mark Kinkade IDOT (2010) | Robin Woodsome CMS |
| Dennis Gallo O'Fallon CCSD 90 (2010) | Rich Kulig COD (2009) | Charles Kline UIUC (2008) | Karim Adib Chicago Public Library (2008) | Robert Dulski Brookfield Zoo (2008) | | Glen Trommels City of Rockford (2009) | Steven Bois DCEO (2010) | Lori Sorenson CMS |
| Mark Drone Bond-Fayette-Effingham ROE (2010) | Scott Armstrong Kiskwaukee Comm. College (2009) | Joel Mambretti Northwestern University (2009) | Troy Brown Shawnee Library System (2008) | | | Jason DeHaan City of Chicago (2010) | | Frank Walters CMS |
| Jim Peterson Bloomington Schools (2010) | | Ken Spelke UIUC (2010) | Brandon Gant CARLI (2009) | | | | | |
| | | Greg DeYoung EIU (2008) | | | | | | |
| | | Herb Kuryliw NIU (2009) | | | | | | |

Item #6
September 17, 2007

ILLINOIS CENTURY NETWORK
**REGIONAL TECHNOLOGY CENTER
UPDATE**

Submitted for: Information

Summary: This item provides updates regarding the Regional Technology Center

Action Requested: None

ILLINOIS CENTURY NETWORK

REGIONAL TECHNOLOGY CENTER UPDATE

The RTC offices continue to experience the impact of the baseline bandwidth changes implemented last fall. The RTC staff remained busy this summer assisting constituents reconfigure local networks to take advantage of the additional bandwidth. These network reconfigurations include adding circuits, upgrading equipment, and migrating to the new Ethernet options. The majority of constituents migrating to Ethernet connectivity are located primarily in the North, but the same trend is starting to take place statewide. We anticipate this coming year to be as equally active with regards to constituent network upgrades. We continue to see growing competition among the telecommunications and cable providers for constituent contracts and growing cooperation among municipalities interested in community owned fiber networks.

In the Chicago area, we have two AT&T Opteman gigabit access circuits filled, a third sold and provisioned for installation, and a fourth in design for roll out next summer. Also, Comcast is expanding its network to accommodate additional sales for last mile service to ICN constituents. We currently have 82 constituent Ethernet connections via AT&T Opteman and 14 via Comcast representing over 2 gigabits of bandwidth.

In Champaign, AT&T is rolling out Opteman service for several community colleges and K12 districts interested in connecting. Also in Champaign, Mediacom recently completed its fiber connection to the ICN and is currently serving four school districts and one college, with several more districts coming on line in the next several weeks. Insight Communications is active in Champaign, Bloomington-Normal, and Rockford.

The Village of Rantoul has just completed a dark fiber link to the ICN Champaign POP which will provide primary constituent in Rantoul with access to the full baseline bandwidth permitted under the cost recovery model – an increase of 16 times what the current T1 connectivity provides.

Similar opportunities are starting to develop in Peoria and southern areas. Opteman service should be available for Springfield constituents during this fiscal year.

Currently we have on order 56 additional T1 lines and 21 new Ethernet connections representing both new constituents and upgrades to existing connections.

This summer, RTC staff also implemented MLPPP (Multi-Link Point to Point Protocol) as a new method of load balancing for sites with multiple T1 sites. The technology has proved very effective in maximizing the efficiency of the connection by creating a virtual single pipe out of 2 to 8 T1 lines.

Other projects include:

- OC192 upgrades for greater redundancy at ICN POP locations
- State Agency video migration from ISDN to IP video systems
- Data encryption project for Illinois State Police – Federal requirement to encrypt data on the network
- Upgrading ICN constituent distribution routers at POP sites around the state to newest industry standards

ILLINOIS CENTURY NETWORK

REGIONAL MEETINGS

Submitted for: Information

Summary: This item provides information regarding the upcoming regional meetings

Action Requested: None

ILLINOIS CENTURY NETWORK

REGIONAL MEETING

Once again, ICN staff will be hosting a series of informational meetings throughout the state. The meetings are scheduled for October and November and are designed for both connected constituents as well as those organizations seeking more information on the ICN.

The meeting schedule follows:

| ICN Region | Location | Time | Date |
|-------------------|--|--------------------|-------------------|
| 1 | Chicago – James R. Thompson Center | 1:00pm – 3:00 pm | November 8, 2007 |
| 2 | Schaumburg - Harper Professional Center | 1:00pm – 3:00pm | November 9, 2007 |
| 3 | Glen Ellyn - College of Dupage | 1:00pm – 3:00pm | November 7, 2007 |
| 4 | South Holland – South Suburban College | 10:00am – 12:00 pm | October 31, 2007 |
| 5 | DeKalb – Northern Illinois University | 10:00am – 12:00 pm | October 18, 2007 |
| 6 | East Peoria – Illinois Central College | 10:00am – 12:00 pm | October 29, 2007 |
| 7 | Champaign – Parkland College | 1:00pm – 3:00 pm | October 22, 2007 |
| 8 | Belleville - Southwestern Illinois College | 1:00pm – 3:00pm | November 14, 2007 |
| 9 | Carbondale – Southern Illinois University | 10:00am – 12:00 pm | October 23, 2007 |

More Information is available at www.illinois.net/meetings