

**ILLINOIS CENTURY NETWORK
JANUARY 6, 2017 ADVANCED ENGINEERING TASK FORCE (AET) MINUTES**

Introductions/Roll Call

At 10:05 a.m. the Advanced Engineering Task Force meeting was convened by Jim Flanagan, Chairman of the AET who welcomed everyone. Robin Woodsome proceeded with the roll call.

Members at Chicago 3-105

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| Andrew Bullen, Co-Chair, Illinois State Library | Jim Flanagan, Chairman IlliniCloud |
| Tom Donovan, Aptakisik-Trip SC#102 | Robert Dulski, Brookfield Zoo |

Members at Springfield 1-142

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| Brand Gant, CARLI | |
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Members via Audio Bridge/WebEx

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| Troy Brown, Illinois Heartland Library System | Mindy Fiscus, Learning Technology Center #6 |
| *Doug Brooks, ICCCA Technology Commission | Shannon Smith, Technology Director |
| Rich Kulig, College of DuPage | Michael Shelton, Southern Illinois University |
| Raj Siddaraju, Spoon River College | Glenn Trommels, City of Rockford |
| RJ McGarry, Kishwaukee Community College | Mike Dickson, Western Illinois University |

*Alternate for Amin Kassem

Members Absent:

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| Herb Kuryliw, Northern Illinois University | Anita Nikolich, National Science Foundation |
| Joe Mambretti, Northwestern University | Tracy Smith, University of Illinois |
| Brian Murphy, Eastern Illinois University | |

Staff & Guests:

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|----------------------------|--------------------------|
| Valerie Bolinger, DoIT/ICN | Frank Walters, DoIT/ICN |
| Essam El-Beik, DoIT/ICN | Robin Woodsome, DoIT/ICN |
| Adam Ford, DoIT/ICN | John Leonard, DoIT/ICN |
| Michelle Medley, DoIT/ICN | |

Meeting Minutes

Jim Flanagan, AET Chairman

Jim Flanagan introduced the first item on the agenda, approval of September 16, 2016, meeting minutes. A motion was made by Robert Dulski to accept the minutes. The motion was seconded by Mike Dickson. The motion carried.

Old Business

Software Defined Network (SDN)

Frank Walters, Department of Innovation & Technology/Illinois Century Network

Frank Walters informed members that staff has published a Request for Information (RFI) seeking vendor input. The RFI will allow staff to evaluate SDN products and technologies from multiple vendors. Additional discussion held regarding best practices, equipment requirements and future goals. Jim Flanagan suggested that a forum be created for collaboration among the SDN group. Frank stated that Tracy Smith recently created a group via Dropbox and will make it available for members.

New Business

E-rate Update

Essam El-Beik, Department of Innovation & Technology/Illinois Century Network

Essam provided report and referred members to page 7 of the meeting packet. We recently executed Master Contracts CDW-G, Ficek and ENA to provision of E-rate category 2 equipment and services. This contract allows schools and libraries to enable high speed broadband within their facilities, and consists of routers, switches, wireless access points, cabling and any associated services. Customers will be able to order from the Master Contracts and submit an E-rate funding request to the FCC. A webinar providing guidance on the use of the Master Contracts will be held this month. A webpage has been created and an email communication will be sent this week. The breakdown of E-rate category 2 equipment and services by vendor is as follows; WLAN/WiFi Equipment (CDW-G), cabling (Ficek), and Managed Broadband Services (Education Network of America "ENA").

K-12 Broadband Initiative

Essam El-Beik, Department of Innovation & Technology/Illinois Century Network

Essam El-Beik provided an update on the K-12 Broadband Initiative. The State of Illinois continues to work with Education SuperHighway (ESH) to expand K-12 Broadband and Digital Learning throughout Illinois. Some activities of the working group over the past 3 months include the National Governors Association/Education SuperHighway policy academy which was held last October in Denver, Colorado. Members from the Illinois Century Network (ICN), Illinois State Board of Education (ISBE), Governor's Office, Learning Technology Centers (LTC), NGA, ESH and other State of Illinois representatives attended. Some of the action items focused on vision awareness, district support and provider outreach. A Service provider meeting hosted by ISBE, LTC's and ESH was held in December. The "Illinois Classroom Connectivity Initiative" was explained in detail. In addition, three webinars were held in December on the ESH Compare and Connect K-12 tool which is used to facilitate bandwidth upgrades. ESH have projects with 38 districts and plan to work with approximately 66 more districts in the coming months. Our working group calls continue and are held every two weeks.

Network Update

Frank Walters, Department of Innovation & Technology/Illinois Century Network

Frank referred members to page 11 of the meeting packet for an overview. He commented that ICN staff has seen higher Egress peaks due to DDoS attacks. Our peering fabric was recently upgraded to 20G. Distribution consolidation is ongoing and the ASR deployment project has been completed resulting in a savings of \$4.5M. The IDOT/CTA Eisenhower construction is complete and Cloud Exchange/Office 365 is up and available for customers. John Leonard stated that the Moline POP move is 100% operational. Frank commented that the T1 migration project continues and staff are working on migrating customers to Metro Ethernet. The T1 migration project should be complete by June 30, 2017.

ICN Services

Robin Woodsome, Department of Innovation & Technology/Illinois Century Network

Robin Woodsome provided report and commented that ICN staff continues work on a full service catalog. The service catalog will include various service updates, new descriptions, updated pricing and examples of applications. We anticipate having the catalog ready for publication by July 2017. We plan to send a customer survey in the near future. The survey

will include user specific questions regarding the type of services entities currently use and what they plan to purchase within next six months.

Adjournment

Jim Flanagan moved to adjourn the meeting. Motion by Tom Donovan and seconded by Robert Dulski. Motion passed. Meeting adjourned at 11:40 a.m. The next meeting is scheduled March 17, 2017.