K-12 TECHNOLOGY INITIATIVE COMMITTEE
MEETING MINUTES

Meeting Date	July 26, 2012
Meeting Location	DSIT – 4430 Broad River Road, Columbia, SC 29210
Facilitator	Tom Fletcher
Note Taker	Gay Hoyer
Attendees	Jim Blakeslee (SCETV), Dean Byrd (SCETV), Valarie Byrd (DSIT), Don Cantrell (SCDE), Tom Fletcher (DSIT), James Gordon (DSIT), Jim MacDougall (DSIT), Sharron Myers (DSIT), Beth Shull (AT&T), Barbara Teusink (DSIT), Petra Turner (DSIT)

AGENDA ITEMS

Agenda Item 1	Approval of Minutes	Presenter:	Tom Fletcher

1. Tom Fletcher called the meeting to order and asked for approval or corrections to the minutes from last month's meeting. The minutes were approved with no changes.

Agenda Item 2	New Topics for Discussion	Presenter:	Tom Fletcher

1. Tom Fletcher passed around the suggested topics and asked members to review and add comments or list any potential presenter.

Agenda Item 3	Overview of State Security Project	Presenter:	Jim MacDougall

1. Jim MacDougall gave a brief overview of the Statewide Security Project.
2. In 2008, Jim MacDougall's Security team deployed Cyber-Sentry servers to all SC school districts.
3. The objectives were as follows:
   - Ensure bandwidth is being utilized for legitimate business needs.
   - Measure bandwidth using standardized tools.
   - Issue report cards assigning an overall grade for key bandwidth management and security metrics.
   - Monitor network traffic for malicious activity. Security events (~300M/daily)
4. Significant Events:
   - Developed and implemented ticketing system, drastically speeding up response/notification times.
   - Assisted numerous districts with proxy builds, implementation and management.
   - Districts have progressed from fewer than 5% with qualifying grades to over 50% with qualifying grades.
5. A key metric for bandwidth efficiency is the use of an effective caching proxy.
6. 39 schools are currently using caching proxies.
7. Proxies built/managed to SC-ISAC standards have achieved at least a 30% increase in effective bandwidth.
8. In the upcoming 2012/2013 fiscal year:
   - Many Cyber-Sentry servers at the districts will need to be replaced due to increasing bandwidth requirements and equipment age.
   - The core SIEMS platform will need to be upgraded.
9. The 2012/2013 budget for equipment and software has been submitted for approval.

Agenda Item 4	E-Rate Status	Presenter:	Valarie Byrd

E-Rate News

E-Rate Program Funding Year 2012

1. On Wednesday, July 18, 2012 the FCC announced that it would allow USAC to disburse $1.05 Billion to fund FY 2012 E-Rate applications for both Priority 1 and Priority 2 services, at least at the 90% level. An

overall increase of $1.53 Billion this fiscal year. This brings the available funding amount for FY 2012 to $3,388,786,577.00.
2. USAC released the first wave of funding for FY 2012 on July 10th. (Almost $650 Million)
3. The FCC released the proposed Eligible Services Listing for FY 2013, no major changes, just document format and clarification of existing eligible products and services.
4. Form 470 for FY 2013 is available for Online Filing-Required Competitive Bidding Form. Description of Services Requested and Certification Document will be available 07/13/12.

Committee Initiative – Bandwidth Allocation Policy Revisions for FY 2012-13

1. DSIT is working on a study of the Public Library Systems' bandwidth needs over the summer months by collecting information regarding SCLENDS, bandwidth statistics in order to acquire an accurate assessment of demand levels and usage.
2. The committee discussed if the current requirement for a monitoring device be adjusted/waived for the library systems since ISAC doesn't currently have the resources to deploy staff to install the equipment and network members tend to have fewer PC's than schools. Currently, a monitoring device is required for Internet access above 10megs. It was decided to leave the current policy in place and allow conditional upgrades. The annual DSIT MOU will denote that ISAC requirements must still be met.

State E-Rate Program Status

2011-12 (Current Year) Application

1. DSIT is in the process of filing 2nd Quarter BEAR reimbursements. (Deadline 09/30/12)

2012-13 (New Year) Application

1. Three out of five E-Rate Applications have been funded via Wave 1 of FY 2012. The three remaining applications are under review by USAC.
2. No updates from USAC regarding their anticipated request for a new state eligibility certification letter.
3. DSIT is almost done collecting FY 2012-13 MOU's and processing vendor orders. Two MOU's are outstanding. More than 200 of 700 vendor orders have been completed. DSIT anticipates approximately 30 more orders will be placed when outstanding MOU's are collected.
4. Only two Technology Plan Approval letters from SCDOE are outstanding. These entities recently submitted updated tech plans.
5. DSIT provided SCDE with electronic copies of CIPA Form 479 documents for website posting.

2013-14 (Upcoming Year) Application

1. DSIT has begun preparing for this year by evaluating network members technology plan approval letters and state master contracts status.

Bandwidth Allocation Deployment Phase IV-Fiber Placement Opportunities

1. DSIT and SCDOE representatives met with PUPS last month to discuss 811 Requirements. DSIT is reviewing data provided by PUPS which included two years of cable locate request statistics. Additional research will be required.
2. No school district projects have been completed since last month.
3. The following districts have active projects:

| Berkeley | Barnwell 45 | Marion 01 |
| Marion 02 | Marion 07 | York 03 |

4. The following districts are on a list to be evaluated soon:

| Anderson 04 | Anderson 05 | Dillon 03 | Dillon 04 |
| Edgefield | Hampton 01 | York 02 | York 04 |

Agenda Item 5	K-12 Network Changes	Presenter:	Valarie Byrd

1. AT&T DIA (Dedicated Internet Access) to MIS (Managed Internet Service) conversion project is still on schedule with an anticipated completion date of September 2012.
2. DSIT continues to work on conversion for underserved/expensive bandwidth sites.
3. Orangeburg 03 was converted on July 10th and Hampton 01, Hampton 02 and Barnwell 29 are scheduled to be converted to Ethernet service by the end of this month.
4. Two remaining library locations, Lee System and Ninety-Six branch of the Greenwood Library System have orders in process and should be completed by the end of August.
5. WAN Access via wireless locations:
   - *Kershaw School Districts: One of two sites have ME solution identified.
   - *Hampton School District 01: Five of eight sites have ME solutions identified.
   - *Aiken School Districts: Four of five sites have ME solutions identified.
   - *Orangeburg School District 03: Five of eight sites have ME solutions identified.
     (*Due to subcontract agreements with Spirit ending 06/30/12, a one year extension was signed with Trillion and Conterra Wireless. During this time, Spirit will work on migrating the remaining sites to a fiber based service. Wireless vendors are willing to provide 100meg bandwidth at no additional cost during this duration for a majority of locations. Others are still being discussed.
6. MPLS location solution has been identified for one remaining location in the Union School District.
7. Six school districts, nine circuits and seven library systems still need to be addressed.

Agenda Item 6	Security Subcommittee / Network Status	Presenter:	Sharron Myers

1. No activity to report, however fiber projects are ongoing.

Agenda Item 7	Budget	Presenter:	Barbara Teusink

1. Barbara Teusink passed out copies of the updated budget summary page requests for the upcoming year. Members were asked to review their section for accuracy. The request from ETV was just received, therefore was missing from the summary.
2. Barbara will make any corrections or additions to the summary and email to the members along with the complete request.
3. Current requests exceed the actual budget allocation by over 2 million dollars and the committee will need to meet to decide what items can be cut or reduced in order to reconcile the budget.

Next Meeting	August 23, 2012
Location	Division of State IT, 4430 Broad River Road, Columbia, SC 29210