



MEETING AGENDA AND MINUTES

March 14, 2018
3:30 PM - 5:00 PM
TLC 215

Action Items (To mark an Action Item completed, select the checkbox (double-click), right-click, and select checkmark.)

- The board nominated Mackenzie, Sam, and Dylan to write a letter and/or petition for department heads to show support of Adobe CC purchasing for students. Mackenzie, Sam, and Dylan may want to also update the position statement.
- ITSGB should know about Service Alerts and how to subscribe (and maybe feed it to Slack?)

Attendees

Present:

- Dylan Sallee (Remotely - what a cheater)
- Shane Kroening (non-voting)
- Chris Bell (non-voting)
- Madison Friedel
- Thomas Young
- Brooke Langley
- Alex Curtiss
- Sam Cast

Not present (move up when people arrive):

- Mackenzie Lobato
- Xiang Luo
- JD Isenhardt
- Anya Owsenek (not a member, but Alex invited her)
- Virgil Nunan
- John Keller
- Seth Hovestol

Agenda

1. Introductions, Settle In, Agenda Review

2. Survey Status

- a. Dylan update and review
- b. Madison and Chris will meet and send the award emails to the folks.
- c. Drawing for Prize Winners - Let's do this!
 - i. 1 "Grand Prize" Winner \$50
 1. chgi5380@colorado.edu - Chloe Gillach
 - ii. 5 "First Prize" winners: \$10 each
 1. isgo4290@colorado.edu - Isabelle Goerdt
 2. amjo1384@colorado.edu - Amanda Johnson
 3. mifro750@colorado.edu - Miles Frain
 4. alde1519@colorado.edu - Alexander Desjardins

5. **jatao349@colorado.edu - Jane Tabdchnik**

d. What does ITSGB do with the results?

See results at: <https://ql.tc/E2JzVa> Access Code: **itsgb**



e. ITSGB Approach to survey results

i. Preliminary Results

1. Wifi appears to be the largest student complaint

a. Affects learning (Classroom)

2. Computer Labs Concerns

a. Highest number students don't use it

3. LMS

a. Potentially take a position on encouraging faculty to post grades in LMS

f. Invitations to those who indicated interest in ITSGB

3. 4:05 - OIT Networking Update and Discussion with Ray Baum

a. Ray is the Associate Director for Network Operations

i. Includes all wireless, wired, routing, and firewalls

b. 6-7 years ago, we did a big refresh of equipment

c. We're doing it again

d. Core Routers - move data from Internet and distributes it across buildings

i. 3 core routers: TLC, Engineering, East Campus

ii. Upgrading to a new CISCO product - spent \$700k for these routers

iii. Allow 100 gig between them, 40 gig to distribution routers

e. Distribution Routers (talking about going from campus OUT to Internet)

i. hope is that 100 gig core

ii. We have 40 Gig to the Internet

f. Internet: BISON

i. Bi-state Optical network - Fiber ring Colorado, Wyoming, Denver, etc.

ii. Provides access via fiber connections to our Multiple Internet rings

1. Connect to Front Range Gigapop - managed by NCAR (as is BISON)

2. We pay for Bandwidth and hardware to connect

iii. Also have a 10 gig for Research Only

1. Goal to move big data onto Internet2

2. Only touches network

iv. The new BISON connection to 40-Gig circuit

g. In the end:

i. 4-0 Gig through Golden to FRGP

ii. 40 Gig through Lafayette to FRGP

iii. 10 Gig Circuit through Golden not going to FRGP but to Centurylink in Aurora instead

h. Previous Problems

i. was that the Border Firewall could only handle 10 gigs of throughput

i. Distribution Routers (again) this time talking about Core INTO Buildings

- i. Biotech - biotech, space science, ... May-July
 - ii. Willard - handles RESNET network - feeds williams village May-July
 - iii. TLC building - handles the most downstream buildings of distribution routers May-July
 - iv. Cost about \$150k each
- j. Distribution routers will update to 20 gig into the buildings
 - i. <Chris: Getting a little lost -- feel free to jump in here! and wrtie>
- k. Distribution Firewalls:
 - i. All getting replaced and/or Consolidated
 - ii. All will have a 10 Gig link - not all traffic goes through these dist. firewalls
 - iii. Every location has two firewalls
 - iv. Everything is high-availability
- l. Switches in Closets
 - i. Right now: Replacing all switches in all closets in all residence halls (\$1.5-2M)
 - 1. 20 gig back to distribution
 - 2. 1-gig to the room
 - ii. 2-year program to replace the rest of the switches
- m. WIRELESS
 - i. Access Points
 - 1. Licensed by wireless controller
 - 2. License per management tool
 - ii. Wireless Controllers
 - 1. Currently embedded in Distribution Routers
 - 2. New will be stand-alone - buy two per location
 - a. engineering
 - b. willard
 - c. biotech
 - 3. Testing Aruba in a couple East Campus buildings
 - a. (We're mostly a Cisco campus, but hedging with Aruba as well)
 - iii. Res Halls
 - 1. Putting new wifi in all Res halls
 - 2. Moved from Ceiling APs in hallway to a mini-access point in the room
 - a. Using the jack in the student's room
 - b. has 4 hard-wired jacks
 - c. Scope it so it is localized for 2-3 rooms
 - i. Closer to AP the higher data rate
 - ii. Keeping higher data rate, makes everyting better
 - d. Only 4 buildings left - replacing old APs (10 years old)
 - i. Buckingham (current)
 - ii. Libby
 - iii. Smith
 - iv. Andrews
 - v. Cheyenne-Arapaho
 - iv. Campus Buildings - Targeting next 15 months
 - 1. In old days, just tried to get coverage
 - a. doesn't work in crowded
 - 2. Now trying to target by CAPACITY
 - a. Increasing # of APS
 - b. Focused
 - c. Using RF Sculpting
 - i. Low Power
 - ii. Directional Antenna
 - iii. Limited number of connections
 - 3. Bulidings Coming on:

- a. Hellums - has that design
- b. ARCE
- c. Wolf Law
- d. ATLAS
- e. Muenzinger
- 4. Math 140
- 5. VA Complex
- 6. Basement of humanities
- 7. Three approaches
 - a. If small building with really old APs at about 6 or 7
 - i. Put in a new AP in the same location.
Not a true high-density approach but better than nothing
 - b. Full redesign and installation
 - c. Targeting Specific Classrooms
 - i. Like Math 100
- 8. three SSIDs
 - a. UCB Wireless - open
 - b. Guest Wireless - for folks without identikeys, can't get to all resources
 - c. EduRoam - 2 purposes
 - i. Credentials across campuses (visit another campus)
 - ii. Encrypted packets

4. Updates from Last meetings Action Items:

- a. Send Position Statement/Inquiry Regarding FCQ Question ()
- b. Find Powerful People on Campus that Advocates for Adobe Creative Cloud
 - i. Get Letters with Info and Statistics
 - 1. Sam - TAM
 - 2. Dylan - ENVD
- c. Determine appropriate Boulder Faculty Assembly Subcommittee and get ITSGB on their agenda - Chris will do so **after** 2/28 (Brooke and Mackenzie want to go)
(no action yet)
- d. Send an email to OIT Labs people to ask for clarification
 - i. Invite them to a meeting for a conversation
 - 1. Students don't use the computer labs
 - 2. How does OIT manage labs?
 - 3. What is the budget and funding like?
 - 4. Do we track usage based on types of students, majors, grade, etc.?
 - 5. Advertising lab locations
 - 6. Public vs private (major specific)?
 - 7. Ideas
 - a. Tables for plug-ins, charging
- e. All members should **add/check** their phone number into the Google Doc
[CLICK HERE](#)

5. Recruitment and Membership

- a. Flyer draft. Brook's first draft went to Thomas and Dylan
 - i. avcit.colorado.edu/itsgb
 - ii. Thomas and Dylan to work on it further
- b. Further Actions for Recruitment
 - i. Survey follow up
 - ii. Anything else?

6. Adobe CC Follow review

- a. New updates?
 - i. Sam talked to Director of TAM and wants ITSGB to send a letter of support, but have ITSGB draft.
 - ii. Link to ITSGB Google Drive Folder:
https://drive.google.com/drive/folders/oBxo_v1udTn1FTGVvZkZCaoFPWG8?usp=sharing
 - iii. Link to ITSGB Position statement from last year:
<https://docs.google.com/document/d/1GUFzHk-ACJjZUZKpZcJfZLIjx3VlaKjcjDKR9kKfxk8/edit?usp=sharing>
 - iv. ITSGB will draft a letter - **Mackenzie** (and Virgil?) Please use the ITSGB Position statement:
 - 1. Students want Creative Cloud, overall campus population numbers, etc
 - v. ITSGB should maybe draft a petition for people to give their support? (**Dylan**)
- b. From two meetings ago:
 - i. Mackenzie will work with Brooke on this topic
 - ii. Brooke and Mackenzie will talk with Mike Viola in the CU System Procurement Service Center (PSC)
 - iii. Will evaluate survey results
 - iv. BFA Subcommittee - Brooke, Mackenzie, and maybe Dylan want to go to it
 - v. SAM is meeting with Matt the TAM director, and asking for faculty letter of support. Meeting on Monday at 2:00pm
 - vi. Possibly bring on UCD

7. Web Presence and Communication Review

- a. Our Official Page
 - i. <http://avcit.colorado.edu/itsgb>
 - ii. Resolved URL:
<https://www.colorado.edu/avcit/governance/it-student-governance-board>
 - iii. See how ITSGB is part of the Governance Structure of IT on campus
- b. Google Docs Folder:
https://drive.google.com/drive/folders/oBxo_v1udTn1FTGVvZkZCaoFPWG8?usp=sharing
- c. Google Group:
<https://groups.google.com/a/colorado.edu/forum/#!aboutgroup/oit-gg-itsgb>
- d. Slack

8. New Items?

Xiang went to the Registered Student Organization fair. THANK YOU!

9. Adjourn

