# Communication Technologies Advisory Group

Notes

# June 1, 2017

# Present:Ed Rogers, Chris Eichman, Debbie Carraway, Greg James, Keith Boswell, Franklin Finch, Kevin Lee, Shawn Dunning, Alan Galloway, Marianne Collins, Andy Raynor, David Ladrie, VJ Tailor

# Welcome

## CATV

* Three dorm projects in progress (Metcalf, Carroll, Bowen)- contract will end next summer; will start working early getting a group together to get a pulse on how to

move forward.

MDFs

* Generator SLA planning in progress –meeting with Facilities in an effort to determine who will be responsible for maintaining the generator

Infrastructure Records

* Wireless maps development in progress (198 buildings loaded)
* 261 buildings (42,000 outlets) in PLA ground.

Building Infrastructure Projects

* In construction: MRC, Gardner/Bostian/Phytotron,Winston/Caldwell/Tompkins, North, Carroll, Metcalf
* CVM Main, Biltmore, Nelson

UPS - Replacement project has been completed for this fiscal year-will start again Sept/October

Campus Network

* Centrex Replacement NMDF (construction), SMDF (design)-North is almost done
* Backbone IOS maintenance - To be determined
* New alternate fiber route Main Campus to CVM-physical work is done
* Firewall Service Module migration has started. Working with CVM currently

NIST

* Current focus on gathering requirements for projects with CUI (controlled unclassified information) - appears to be 4-5 projects currently in scope
* Short-term solution focused on AWS

Data Center-Data Center 1 will go away-but no timeframe has been set

* Data Center strategic planning - COLO, build, DC1
* Black start tests - this weekend
* Developing new security processes

Access Layer

- LMNOP project - complete

* FY17/18 access layer upgrades (design: Friday, Polk, installation: Butler)
* Access layer IOS upgrades - To be determined
* Installation of ASR 920 routers to start over the Summer in routed buildings:
  + Talley - delayed,
  + Campus Police - in design process,
  + OSCAR Lab - delayed,
  + DC0 - delayed

Cellular/mobile

* Indoor - Verizon/Spidercloud - still working on campus-wide agreement, early discussions with T-Mobile.
* Outdoor - Small Cells - all four carriers - working with Facilities-send Ed asked Ctag members to send him a list of spaces in their perspective buildings that are not receiving coverage

IT Strategic Planning

* Focus on service portfolio-meeting set to talk with consultant
* Governance team is continuing to meet with Marc
* Space/Tech initiative has an internal draft

Budget

* Primary focus for 17/18 remains upgrades to aging access layer and security
* 10% increase each of the next 2 years to close the gap

Unified Communications

* UNCG and App State Update

Looking for other schools to come on board

Systems & Development

* AKiPS in production
* Working on refresh of all Network Web Tools
* Developing iTRACS replacement

## Wireless

* Classroom Coverage
  + Working with Facilities on adding to classroom database
* Near Field Communication
* Residence Hall full wireless – phase 2 - construction in progress
* Gregg Museum - construction in progress
* EDUROAM (secure SSID )
  + Evaluating alternatives to CloudPath - continued work on Secure W2
  + Given current issues, OIT will not be stressing eduroam as primary SSID
  + Goal is to eventually transition as many stakeholders as possible to use this SSID
    - 1772 eduroam users in July
    - 3605 eduroam users in August
    - 23854 eduroam users in October
    - 26058 eduroam users in January
    - 26425 eduroam users in March
    - 27067 eduroam users in April
    - 24929 eduroam users in May
  + Need to “beef up” documentation - particularly around trouble-shooting
* Now tracking wireless metrics as part of overall [monthly metrics](https://oit.ncsu.edu/campus-it/campus-data-network/communication-technologies-metrics/)

### Parking Lot Items

* Routing licenses at the BDF level – when and how much should occupants pay? Interim solution is 50/50 when “desired”, ComTech funds when required
* “virtual data center” – what is it and who pays
* Funding for server rooms, higher capacity (10Gbs ports), etc.

## Upcoming Meeting Dates

* Next CTAG Meeting – July 20, 2017 - 9:30, AFTC 106