# Communication Technologies Advisory Group Notes

# August 4, 2016

Present: VJ Tailor, Fred Acker, Debbie Carraway, Ed Rogers, David Ladrie, Greg James, Kevin Lee, Keith Boswell, Josh Jury, Greg Sparks, Alan Galloway, Franklin Finch, Jill Sexton

# **Welcome**

Staffing in ComTech

Clayton Maxwell (new employee, Network Tools Developer)

Early September will fill Security position

Lead Network Architect position post next week

Adding another Senior Engineer to post next week

## CATV -

**MDFs**

* CMDF - Add’l HVAC redundancy - design in progress should be done by December

**Infrastructure Records**

* Outside plant fiber inventory - on hold (hiring new employee)
* Wireless maps development in progress (190/201 buildings loaded)
* Classroom wireless - maps to be updated/changed to reflect new ratio of 1:40 instead of 1:25
* New PLA ground interface –working with Facilities-will do in-house trial with Comtech.. should be released to everyone in Sept
* 256 buildings (41,100 outlets) in PLA ground.

**Building Infrastructure Projects**

* CFL, Syme, Bragaw, Delta Gamma - substantially complete
* Daniels, MRC, Reynolds under construction
* Winston/Caldwell/Tompkins, Gardner/Bostian/Phytotron, CVM Main in design

**UPS -** Next round starts in fall/October.

**Campus Backbone**

* Centrex Replacement NMDF (under construction), SMDF (design)
* Backbone IOS maintenance will be required this Summer date TBD
* New alternate fiber route Main Campus to CVM (144 strands)

**Data Center**

* DC maintenance September 17-18
* New Primary Data Center (new name for the Data Center) - power calculations in progress
* Asking CITD for assistance in determining future needs-(how many RUs do you think you would like to take advantage of?)

**Access Layer**

* [Building upgrades](https://docs.google.com/spreadsheets/d/1ujixXQNwc8CqxNrdQX4X-NGJl8yM--j5WP_xMsDgzrY/edit#gid=1140656333) - full CALA - appr. $2.5M planned for FY16/17
* Access layer IOS upgrades delayed
* Current projects - Student Health, Park Shops
* Installation of ASR 920 routers to start over the Summer in routed buildings: Talley, Campus Police, Talley Student Center, OSCAR Lab

**Bluelights -** Metrics Update- Greg gave a presentation that showed the tremendous progress that has been made in updating and repairing broken Bluelights.

**Cellular/mobile** – Verizon/Spidercloud pilot - Williams, Scott, Riddick - shooting for go-live start of Sept, campus-wide agreement in the works

**IT Strategic Planning**

Continuing to move forward. Leaning towards going from six initiatives to five

**Budget**

* Primary focus for 16/17 will be upgrades to aging access layer
* 10% increase each of the next 2 years to close the gap

**Unified Communications**

* UNCG and App State Updates
* MySoft Replacement -- PCR360
  + Training complete
  + Transition end of August
* Lifecycle upgrade to VM complete
* Planning upgrade to CUCM 10.5

## Wireless

* Talley phase 2 (construction), Hillsborough Bldg. test bed (on hold)
* Residence Hall full wireless – phase 1 complete
* EDUROAM (secure SSID )
  + Goal is to eventually transition as many stakeholders as possible to use this SSID
    - 1772 eduroam users in July
  + Need to “beef up” documentation - particularly around trouble-shooting

### 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 – 9/1 9:30, AFTC 106