# Communication Technologies Advisory Group Notes

# February 5, 2015

Present: Dan Steen, Josh Jury, Greg James, Kevin Lee, Josh Gira, Andy Raynor, David Ladrie, Chris Bettini, VJ Tailor, Ed Rogers, Greg Sparks, Shawn Dunning

## Welcome

## CATV - Transition to Academic/Admin CATV in progress.

**MDFs**

* Partners I (CMDF) electrical maintenance on 2/28/2015 from 8AM - 12PM
* CMDF/WMDF-new HVAC systems under construction
* NMDF - Strategic planning in progress
* WMDF – general upgrade in construction

**Infrastructure Records**

* Outside plant fiber inventory started
* Wireless maps development in progress (64 buildings loaded) – public interface in planning-Ed shared a presentation of Comtech’s current plan for rewiring the buildings. The buildings that Comtech is proposing for next year or Cox, DH Hill Library, CVM Main building/Steam plant and Daniels. He asked the group to share any concerns or questions on the buildings that are proposed
* 241 buildings (41,000 outlets) in PLA ground.

**Building Infrastructure Projects**

* Research 4, Lee, Bagwell in design
* Upgrades to CAT5 buildings - MRC/CFL design started – FY15/16 list

**UPS**

This year’s replacements will be completed by the end of March (during spring break)

**Campus Backbone**

* Still waiting on Cisco for 6500 IOS bug fix for VPLS/DHCP relay issue
* Fiber backbone extension – cutovers in next 90-180 days

**Data Center**

* Extended maintenance scheduled for 4/11/2015 - 4/12/2015

**Access Layer**

* Building upgrades “CALA lite” – see layer 2 top 30 report-projects that Comtech has worked on this year. Brooks, Textiles, Kamphoefner, Leazer will be done this fiscal year. They all agreed and will vote on the rest at a later time.
* IOS upgrades this summer – on hold due to buggy code in planned version

**Cellular/mobile** – Verizon/Spidercloud pilot - planning started-meeting scheduled March 11th

**Budget**

* Have buy-in from EOM to move towards FTE but still a few questions that may delay implementation until 16/17.
* More budget update at one of the next two meetings

**Unified Communications**

* UNCG (supporting them since October), App State (continuing pilot thru March), and WCU (talking with them about support)
* Update on SIP trunks-All local calls were moved over to SIP trunks
* Centrex retirement in 2016/2018--no new buildings November 2016

## Wireless

* In design – Talley (phase 1 – complete)
* Test bed in Hillsborough Bldg.
* Residence Hall full wireless – summer 2016, 2017
* EDUROAM (secure SSID )
  + Replacing RADIUS server key and dropping all device registrations on Friday February 6th, 2015. All devices will need to be re-registered. Please see: <https://sysnews.ncsu.edu/news/54d146ab>
  + Goal is to eventually transition as many stakeholders as possible to use this SSID
  + Issue with certain MAC addresses has been resolved
* Proactive monitoring of over saturated 11n AP’s.

### 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 – March 5, 2015, 9:30, AFTC 203 \*\*\*different room\*\*\*