# Communication Technologies Advisory Group

# November 5, 2015

# **Welcome**

## CATV -

**MDFs**

* CMDF - designing add’l HVAC redundancy
* NMDF - Makeover design in progress

**Infrastructure Records**

* Outside plant fiber inventory started
* Wireless maps development in progress (132/191 buildings loaded) – public interface in planning
* 252 buildings (42,300 outlets) in PLA ground.

**Building Infrastructure Projects**

* Research 4, DH Hill under construction
* CFL, Daniels, Cox, MRC in design

**UPS -** Had Kickoff meeting this week and will start scheduling replacements as soon as battery packs are received.

**Campus Backbone**

* Planning backbone fiber circuit migration away from the legacy Cox cross connect due to the need for additional BDF space within that room. Most of this will be transparent. This must happen before further progress is made in moving other equipment to new circuits. 28 active backbone circuits have been identified. 7 building circuits have been identified.
* IPS/IDS equipment will be placed in-line with PCI CDE traffic after OIT S&C provides an informational session to stakeholders.
* Continuing to finalize a significant portion of the centralized services infrastructure at SMDF and CMDF
* Looking into future WAN connectivity options to NCREN (Nx10G vs 100G) - both Internet gateways will be “active” until we implement additional WAN connectivity.
* Centrex Replacement NMDF and SMDF Zones - in design

**Data Center**

* Service chassis upgrades 10/18/2015
* HPC/VCL maintenance completed 10/26/2015
* Extended maintenance 11/7/2015 - 11/8/2015
* Generator Test - starts 8am 12/6/2015
* Data Center 3 planning

**Campus D/R BCP Test - 11/24 & 11/25**

**Access Layer**

* Building upgrades “CALA Lite” - FY14/15 projects - all designs complete except for Venture II, Nelson
* FY15/16 projects - Student Health started
* IOS upgrades this Fall/Winter within the access layer

**Bluelights -** Working on comprehensive long-term plan. Currently have a resource devoting 20 hours/week to Bluelight maintenance.

* Installation is complete of cellular Bluelight, working with Verizon to ensure that our Public Safety is called for 911.
* Have ordered two solar powered stanchions for other locations

**Cellular/mobile** – Verizon/Spidercloud pilot - Williams, Scott, Riddick

**IT Strategic Planning**

**Budget**

* [FY16 Projects Review](https://docs.google.com/spreadsheets/d/1UGnRgHOGyztuUkkjjdKf9bvzx3k5RIOSfk6J-fUBBXM/edit#gid=0)

**Unified Communications**

* UNCG and App State Updates
* Centrex Replacement (NMDF & SMDF)
* MySoft Replacement -- PCR360
* Pay Phones in Campus Buildings

## Wireless

* Design – Talley phase 2, Hillsborough Bldg. test bed
* Residence Hall full wireless – summers of 2016 and 2017
* EDUROAM (secure SSID )
  + Goal is to eventually transition as many stakeholders as possible to use this SSID
* Proactive monitoring of over saturated 11n AP’s.
* Cisco Proposal to regain wireless business

### 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 – 12/10 9:30, location TBD