

## 17000 Telecommunications

### Part 1: General

- 1.01 The University is the major provider of voice and data services for the campuses. Designers should coordinate closely with NC STATE's Facilities and Communication Technologies (ComTech) department to ensure proper telecommunications designs.
- 1.02 General information on ComTech's policies and standards can be found at <http://comtech.ncsu.edu/engineering/designers.php> . Significant design assistance can be found at this site.

### Part 2: Design Guidelines

- 2.01 New facilities should include all wiring, equipment racks, conduit systems, patch panels, and distribution rooms as required for a complete telecommunications infrastructure.
- 2.02 New facilities should be wired in accordance with ComTech's University Wiring System (UWS) 2.0. Information on UWS 2.0 can be found at:  
[http://comtech.ncsu.edu/engineering/uws\\_2-1.php](http://comtech.ncsu.edu/engineering/uws_2-1.php).
- 2.03 Facilities to be renovated should be reviewed with ComTech to determine the status of the existing wiring system. The majority of campus buildings have been wired to previous wiring standards. A determination on the extent of renovation to the telecom infrastructure will need to be made.
- 2.04 Information on previous wiring standards can be found at:  
<http://comtech.ncsu.edu/engineering/designers.php#existing>.