

Network Operations and Cabling Policy

Policy Number

CITG 003

Board approval:

Last amended: 22 May 2009

Related Documents:

CITG Cabling Standards

Overview

The following policy sets out the requirements for the management of the physical network infrastructure within CITG Colleges.

Principals

CITG operates an institution-wide network infrastructure and converged network applications/services (including voice and video) to support all of the information access, collaboration and interchange requirements of the CITG community. To achieve the effective and efficient management of the network infrastructure and services the following principles apply:

CITG provides a network which is designed, operated and managed to:

- be an integrated end-to-end information infrastructure;
- continuously meet the information access and interchange needs of the residents and staff of CITG Colleges;
- interconnect with the University of Queensland network with sufficient connectivity and capacity to seamlessly support the interchange requirements of the CITG community;
- include network security at a sufficient level to protect CITG's and the Colleges' information sources, electronic resources, intellectual property and network access;

Policy

CITG Responsibilities

CITG is responsible for:

1. designing, operating and managing the end-to-end network (called CollegeNet). Collegenet is made up of all network devices and passive network infrastructure, and includes the following elements:
 - 1.1. backbone, distribution and edge networking infrastructure;
 - 1.2. local area networks (LAN) for each College, including virtual LANs for inter-linking locationally diverse business areas;
 - 1.3. wireless access points;
 - 1.4. support of authorised user remote access connectivity to College subnets via VPN tunnels over the Internet;

- 1.5. network infrastructure and LANs, as required, for non-College entities.
2. maintaining an ongoing relationship with the University IT group, Information Technology Services. Managing the interconnectivity between the two organisations, and between colleges.
3. ensuring compliance with the relevant legislation.
4. ensuring compliance with, and obligations under, the relevant University policies are met.
5. managing the Colleges' VOIP voice services, including the provision and management of telephone extensions within a closed number plan, voice servers and gateways, and a voice mail service.
6. liaising with and providing relevant standards documentation to any building or cabling contractors as selected by the Colleges.
7. organising and managing contractors for cabling works, where requested by a CITG College.

Notes:

- a. Only network devices approved by CITG can connect to CollegeNet (and so, in general, become part of CollegeNet).
- b. CollegeNet's reach at the end-user boundary extends to the network interface of network connecting devices (including on to the desktop for desktop computers and over the air path to laptop computers).
- c. A non-college entity residing within a college may request either a network service and/or a voice service from the CITG, or may provide its own separate network and services.
- d. Wireless LAN access points (operating in the unlicensed RF spectrum as IEEE 802.11, 802.16 or 802.20 networks) which are not part of CollegeNet shall not be approved by CITG.

College Responsibilities

Colleges are responsible for:

1. specifying the information security requirements of their areas, including any security policies to apply to their College's subnets and network connecting devices.
2. ensuring network connecting devices are checked and approved by CITG prior to installation to confirm that they meet the standards and specifications for approved network connectivity and security.
3. ensuring unapproved network devices are not connected to the CollegeNet.
4. providing appropriate physical security for local communications cabinets and devices.
5. managing and maintaining separate hospitality systems for student call accounting.
6. ensuring that any building or cabling contractors meet appropriate certification requirements, and perform all works according to the minimum standards as specified by CITG.
7. ensuring that CITG is consulted regarding any cabling works within colleges so that CITG can maintain the integrity of existing cabling pathways.

Standards

All communication cabling works are to be performed by Krone certified installers, and the College/CITG are to be provided with test results and a certificate of compliance for all new cabling.