Network Communication Devices*:
Standards and Responsibilities
March 1, 2005

STANDARDS:

The Cal Poly Network is a resource used by the entire campus community. To ensure that this resource is properly maintained and available for its intended uses, all network-attached devices must conform to a minimum, uniform standard as set by the California State University System (CSU). The current CSU standards are:

- CSU Baseline Network Standard: Architecture
- CSU Baseline Network Standard: Architecture – Wireless Addendum

Monitoring and troubleshooting is more complex when such devices share the same physical port, adding cost, delay in problem resolution and potential performance loss. Therefore, one device per port is the standard for the Cal Poly Network. Improperly configured network devices may also pose a substantial security risk. This standard is not meant to completely prohibit the use of these devices, but to ensure that the most appropriate solution for the campus and individual application is used. All wiring installations must be coordinated by ITS Technical Services in accordance with CSU guidelines.

RESPONSIBILITIES:

- Campus technical support staff (e.g., LAN Coordinators) are responsible for keeping ITS Network Administration informed of any network connection requirements for their respective academic, administrative or auxiliary units. They are also responsible for ensuring that network equipment in their respective units meets campus standards.
- ITS Network Administration is responsible for the engineering and design of the overall Cal Poly Network infrastructure and for securing and maintaining that infrastructure to ensure reliable, consistent networking service to the campus community.
- ITS Network Administration is responsible for authorizing, in advance, connection of any network communication devices to the Cal Poly Network.
- ITS Technical Services is responsible for the oversight of installation of any and all communication wiring, including fiber installation for any network device attached to the Cal Poly Network.

- The ITS Office of the CIO, in concert with campus computing advisory committees, is responsible for ensuring that the CSU minimum baseline standard for networking equipment meets campus needs and conforms to prevailing technology and industry best practices.

RELATED GUIDELINES:

- None

RELATED PROCEDURES:

- Procedure For Removing Networked Devices from the Cal Poly Network
- Procedure for Attaching Network Devices to the Cal Poly Network

REFERENCES:

- Information Technology Resources Responsible Use Policy – Section E.4 provides the policy basis for this standard and related procedures
- Cal Poly Information Security Program
- Infrastructure Terminal Resources Project (ITRP) is firmly based in several years of development and collaboration between CSU campuses, the CSU Chancellor's Office, and outside partners. Initial efforts with CETI (California Educational Technology Initiative) created the basis of the current TII-ITRP collaboration between the Chancellor's Office and all 23 campuses to create a unified and integrated infrastructure through the implementation of Stage 1 and 2 of the TII build-out project.

DEFINITION (*):

A network communication device includes but is not limited to the following types of equipment assigned to individuals, departments, clubs, auxiliary organizations or individuals from off-campus utilizing university network resources: switches, routers, hubs, mini-hubs, splitters, wireless access points, firewalls, network security devices, network appliances, modem pools, or any device connected to university network resources whose function is to transport electronic information.

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Revision History: Updated links only - 10/19/2006, 7/1/2008; Added link to CSU Baseline Wireless Addendum and modified document to meet Section 508 standards – 7/1/2008

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