

EVOLUTION OF THE UCSC CAMPUS NETWORK

UCSC CAMPUS NETWORK: STANDARDS & PLANNED SERVICES DEVELOPMENT -- 1995/96 to 1997/98

This document describes how NTS believes campus network services and systems technologies will evolve over the next three years as new, bandwidth intensive, distributed applications and desktop and work group computing platforms are upgraded to support those applications. It is intended to accompany the attached graphical summary depiction of this evolution.

A primary goal of this document is to provide the larger framework of campus network evolutionary trends to help explain NTS' proposal to begin the renewal of the Inter-building network element of the overall campus network. While there is considerable inter-relation and inter-dependence between them, the campus network can best be understood as consisting of three distinct elements -- the Station Network, the Building Network, and the Inter-building Network. The Inter-building network and the electronics portion of the Building Network have in the past been collectively referred to as the UCSC campus backbone network; with some exceptions, that terminology remains valid.

General Note: The term 'Legacy' refers to services that are currently in place and fully supported, but that are not standards to which new service is now being installed. Like other standards, NTS will follow the IT Standards process for defining when these services will no longer be supported.