

GOAL 5: Building a State-of-the-Art Information Technology Environment

Objective 4: Provide improved information technology infrastructure and support for University and college research and collaborative projects.

Outcome:

An implementation plan specifying relevant IRM protocols will be completed in 2006-07.

Network partitioning will be complete by Fall 2007.

A multi-gigabit network backbone will be in place and the Research Network will be established by 2007-08.

Grid computing LANs will be established by 2008-09.

Center-based training/courses on grid computing, FAU computing platforms and parallel programming will be available by 2007-08.

Enhanced videoconference facilities will be completed by 2007-08.

Progress toward goal:

COMMUNICATION SYSTEMS INFRASTRUCTURE (CSI)

History and Anticipated Network Backbone Connection Speeds

Connection Speeds

1980's	Early to mid 1990's	late 1990's to present	2002 to 2005	2005 forward
SERDAC/Bitnet	BBN Planet/Genuity- BellSouth 56Kbps - 2 X T1 (3 Mbps)	DMS/BellSouth.net 6Mbps - 18Mbps CIR DS-3/45Mbps link to Univ. FIRN access to NWRDC	SEATAP 100Mbps Internet 622Mbps shared w/ UM-I2 1Gbps link to University	FLR 125Mbps Internet 1Gbps Internet2 1Gbps FLRnet 10 Gbps Link to University Present primary connection

FAU Videoconferencing: History and anticipated capabilities through AY 06

	PictureTel H.320	PictureTel/VistaTel H.320	LiveLink MPEG	PolyCom/Tandberg H.320 and/or H.323
1993-1994	2			
1994-1995	2			
1995-1996	2			
1996-1997	2			
1997-1998	2			
1998-1999		4	8	
1999-2000		4	8	
2000-2001				7
2001-2002				21
2002-2003				27
2003-2004				31
2004-2005				33
2005-2006				38
2006-2007				

As of June 16, 2005