



Resources for ICP Initiatives

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Project	Location	Initiator	Start	End	Resources	FY05 Costs	FY06 Costs	EFT
Quick hits								
Voice Mail to Electronic Mail	Network	ICP			Asterisk servers		\$6,000	
<i>Desired outcomes:</i> Would allow users to receive their voice mail as an electronic mail attachment							\$12,500	
<i>Assessment:</i> Telecom charges								
<i>Comments:</i> Cost is for two Asterisk servers - one for experiment and one for testing								
ShuttleTrack Voice Response	Network	Students			Telecom charges	\$100		
<i>Desired outcomes:</i> Would allow to query shuttle locations via SIP and PSTN							\$6,000	
<i>Assessment:</i> IS&T servers								
<i>Comments:</i> Transition service to IS&T in FY06								
<i>FY06 cost is for one web server and one voice server</i>								
<i>Web app' will need to be ported to Unix</i>								
Classroom Audio Conferencing	Classrooms	ICP				\$1,500		
<i>Desired outcomes:</i> Would allow for the quick and inexpensive set up of audio conferences in "low tech" classrooms.								
<i>Assessment:</i>								
<i>Comments:</i> Need support model for FY06								



Resources for ICP Initiatives

Short term experiments

Collaborative Video

Display and

Communications Space NW30 AC 8-Mar-05 Juned 30, 20(AC, Housing, RCC, Dorm) **\$8,000**

Desired outcomes: Shared collaborative work space(s) in residence halls

Assessment:

Comments: Adds video, audio, and IM communications capabilities to ResTech spaces
FY05 costs covered by ResTech

Collaboration Server for SMA Phase 2

Network ICP 1-Sep-05 1-Jun-06

Desired outcomes: Infrastrucute to allow SMA researchers to do real time collaboration

Cisco Server

\$150,000

Assessment:

Comments: Estimate based on a single Cisco MeetingPlace server at \$100K

Client software and hardware

\$7,500

Also evaluate Microsoft ConferenceXP

Telecom charges

\$7,500

We may be able to get the Cisco servers at a significant discount

Depending on the product chosen a second server in Singapore may be required

Assuming client hardware and software for 50 users at \$150/each

Real-time coordination tools for Alcator experiments

NW21 ICP 1-Jun-05 1-Jun-06

Desired outcomes: Presence and mulitmedia infrastructure to support experiments

Hard and soft "phones"

\$10,000

Assessment:

Comments: Build on Internet2 PIC-SER capabilities

SIP/presence servers

\$6,000

One server for experiment and one for testing

Estimated 20 hard/soft "phones" at \$500/each

Telecom charges

\$15,000

Virtual TA office hours for a large course

Network ICP 1-Sep-05 1-Jun-06

Desired outcomes: TA-student and student-student communications tools

Soft phones, etc.

\$2,500

Assessment:

Comments: **Placeholder for another experiment TBD**

SIP/presence servers

\$6,000

Could reuse architecture from Alcator experiment

Considering 1.00 and 6.001

Alumni Voice Mail

Forwarding for Life

Network Alumni 1-Sep-05 1-Jan-06

Desired outcomes: Parallel service to email forwarding

SIP/Media servers

\$6,000

Assessment:

Comments: Pilot and decide whether to offer as a production service

Comments: **Placeholder for another experiment TBD**

Could be model for similar campus service



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Production infrastructure

5ESS SIP Gateway	ICP		
<i>Desired outcomes:</i>	Provide reliable service and additional capacity	Second gateway	\$25,000
<i>Assessment:</i>		PRI equipment, cabling	\$5,000
<i>Comments:</i>	Install Cisco provide gateway Purchase second gateway for backup Telecom charges for 4 PRIs, 100 numbers, usage	Telecom charges	\$35,000
MIT.EDU SIP Server	ICP		
<i>Desired outcomes:</i>	Eliminate the dependence on obsolete software	New SIP server	\$3,000
<i>Assessment:</i>			
<i>Comments:</i>	Replace SIPxchange server with SER server		
MIT.EDU SIP Directory Interface	ICP		
<i>Desired outcomes:</i>	Provide more reliable directory service for SIP call termination		\$0
<i>Assessment:</i>			
<i>Comments:</i>	Develop process for doing updates or a method for doing real time directory queries		

Related initiatives

iSPOTS Project	DUSP		
<i>Desired outcomes:</i>	Measure how wireless technology is changing life on the MIT campus	Funding for UROPs	\$25,000
<i>Assessment:</i>			
<i>Comments:</i>	IS&T to provide MITnet usage data		

Leadership and Outreach				0.8
Project Management				0.2
Communications				0.5
	Total	\$9,600	\$328,000	1.5

