

**ITS Goal 7: Provide a reliable and robust IT infrastructure to meet the evolving needs of the University.**

Strategy	Activity Description	1H - FY15 (Jul - Dec 2014)	2H - FY15 (Jan - Jun 2015)	1H - FY16 (Jul - Dec 2015)	2H - FY16 (Jan - Jun 2016)	Beyond	Notes	
1. Prepare for and fulfill the IT communications infrastructure needs of the institution	Network	Revise/Update the campus Domain Name Policy - <b>S.Troester</b>	Evaluate software for DNS and IP address management - <b>S.Troester</b>					
						Upgrade second BOREAS node - <b>S.Troester</b>		
		Explore restricting incoming Internet traffic from reaching end user wired ports - <b>S.Troester/Drews</b>						
		Enable IPv6 for 60% of ITS-provided network-based services - <b>G.Falsetti</b>	Enable IPv6 for 80% of ITS-provided network-based services - <b>G.Falsetti</b>			Enable IPv6 for 100% of ITS-provided network-based services - <b>G.Falsetti</b>		
	Wireless	Implement new wireless infrastructure - <b>S. Troester</b>						
	Fiber Management							
		Partner with INS to install 4th fiber route to Research Park from main campus - <b>G.Stumpf</b>						
		Install second conduit pathway underneath the Iowa River by North Hall - <b>G.Stumpf</b>						
	Unified Communications	Replace our current voice mail system with a Unified Messaging system - <b>T.Scott, R.Lenger</b>	Retire Centigram voice mail - <b>R.Lenger, S.Troester</b>					
		Deployment of a Distributed Antenna System (DAS) - <b>G.Stumpf</b>						
Incorporate VoIP into general telephone service - <b>S.Troester</b>								
2. Migrate and consolidate servers into enterprise data centers.	Data Center Management	Continue implementation of LC data center MEP maintenance, support and processes to align with our other primary data center at ITF – <b>J.Protheroe</b>						
		Review design of LC data center based on ITF design - <b>G.Falsetti</b>						
	Data Center Optimization	Develop a rapid provision system that would deploy a Windows or Linux server in under 30 minutes – <b>Dave Kelly</b>						
		Evaluate standardize hardware vendors for Intel base Hypervisor compute nodes. Looking toward Blade servers with converged infrastructure. – <b>Kevin Keyser</b>						
		Working with Facilities Management, identify inefficient and distributed server rooms/data centers and consolidate to Shared Enterprise Data Centers - <b>TBD</b>						
3. Provide centralized storage solutions to meet campus needs.	Backup Storage	Pilot a backup service for campus servers - <b>D.Shafer</b>						
	File Storage	Upgrade to NetApp Clustered Data ONTAP - <b>D.Shafer</b>						
	Server Storage		Conduct RFP for Fibre Channel SAN storage - <b>D.Shafer</b>					
	General Storage	Survey BoR and CIC storage platforms - <b>D.Shafer</b>						
		Develop storage RFP template - <b>D.Shafer</b>						
		Implement solution for performance trending - <b>D.Shafer</b>						
		Develop and deploy an enterprise large-scale storage service - <b>D.Shafer</b>						

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4: Define and deploy next-generation monitoring services for core IT infrastructure.	Monitoring and Service Management	Evaluate replacement options for SPONG - <b>K. Keyser</b>					
			Work with owners of major services to defining monitoring from end-to-end - <b>G. Falsetti</b>				
		Evaluate options for network monitoring (NetView replacement) - <b>S. Troester</b>					
		Pilot Hyper-V Service for Campus - <b>D. Kelly</b>	Evaluate the next-generation trouble ticket tracking system for feasibility for tracking infrastructure incidents - <b>G. Falsetti</b>				
	Device Management	Develop a reporting service for SCCM and Casper based on SSRS - <b>T. Wolf</b>					
5: Develop a hybrid cloud service for campus	Infrastructure as a Service		Pilot Azure Service based on the Net+ contract - <b>D. Kelly</b>				
		Deploy a Drupal web service based solely on AWS services – <b>Hugh Brown</b>	Pilot a deployment and management service for Cloud service - <b>G. Falsetti</b>				
6: Provide centralized content management and web hosting services to meet campus needs.		Migrate all UI central web service users to Drupal - <b>R. Bolton</b>	Retire UI central web server - <b>TBD</b>				