Goal 3: Support evolving identity management and information security requirements.

Strategy	Activity Description	1H - FY15 (Jul - Dec 2014)	2H - FY15 (Jan - Jun 2015)	1H - FY16 (Jul - Dec 2015)	2H - FY16 (Jul - Dec 2016)	Beyond	Notes
1: Support the protection of sensitive information in compliance with regulations and policy.	Institutional Data Protection	Complete firewalling of all servers in LC data center - **C. Ness**					
		Implement a common on-campus source code repository - **ES Web, AIS**	Investigate/develop LSA-like network with Proxy for desktops - **SST, ISPO**				
		Determine a method to scan department file shares for sensitive data - **EI Storage, ISPO**					
		Conversion to SSN Vault - MAUI - **E. Hill**					
		Conversion to SSN Vault - HRIS - **E. Hill, M. Kaplan**					
		Conversion to SSN Vault - UnivID System - **DNA**					
	Regulatory Compliance & Institutional Policy Compliance - Assessment Activities	Plan and execute a DR Tabletop exercise, explore partnership with HCIS -**J. Drews, W. Staal**					
		Extend and improve user compliance beyond ITS - **J. Drews**		Assess UI systems with Level III data for compliance with security standards - **ISPO**			
		Implement a security information management solution (system logging and monitoring) - **ISPO**					
		Improve communication and coordination of messages with ISPO, CIO, VPSC - **ISPO**	Implement an improved VPN service for the campus - **ISPO**				
		Campus SSN Remediation - communications and marketing - **CITL/CLAS**					
	Perform Risk Assessments	Complete the assessment of the FM Utility network - **C. Ness, T. Chickering**					
		Plan and execute a campus wide IT security risk assessment - **J. Drews**	Develop recommendations based on result of IT security risk assessment - **J. Drews**	Implement recommendations from IT security risk assessment - **J. Drews**			
2: Improve the ability to monitor IT networks and systems, and respond to inappropriate activity and risk.	Log & System Monitoring, and Correlation	Implement logging on the F5 load balancer infrastructure - **D. Brenner, C. Ness**	Develop long term strategy for custom security office apps; review/revise/replace USR application and enforce scanning requirements - **ISPO**				
		Implement OSSEC production to monitor PCI systems - **ISPO**		Implement a security event management (SEM) system for correlation and log management - **ISPO**			
	Security Incident Response	Update security monitoring to support network infrastructure changes (Netflows, Gigamon Taps, SF Sensors) - **ISPO**					
	System Assessments	Explore options for better scanning of OSX and iOS hosts - **ECM/ISPO**	Determine methodology/service strategy for Penetration Tests on UI critical enterprise systems (AMAG, Maui) - **ISPO**				

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3: Strengthen HawkID identity verification to meet evolving campus authentication and external federation service requirements.	Federation of Identity and Infrastructure Support for SaaS	Add IdM infrastructure to track ORCID in partnership with University Libraries and ITS Research Services - **DNA**					
		Evaluate campus SPAM control architecture and email alias strategy - **SST/DNA/ECC**					
		Continue to track the InCommon Assurance Program and campus needs for elevated levels of assurance (aka, Bronze, Silver LOA). - **K. Brautigam**	Develop Campus Shibboleth SP Support Model - **K. Brautigam**				
	Active Directory solutions for Unix system security and special populations	Implement Unix GID Phase 2 (support posix attributes, e.g., displayname, shell, homedir) for Faculty/Staff - **DNA**		Extend Unix GID Solution for Students - **DNA**			
	Improve self-service password reset options	Review and strengthen procedures for password resets - **J. Drews, C.Pruess**					
		Implement new/revised password management tools - **C. Pruess, T.Scott**					
	Define high-level authentication strategy	Converge look & feel of enterprise HawkID login pages (login tools, shib, ADFS) - **J.Kazmerzak, E.Hill, D.Metzler**	Develop Long-term Authentication Strategy Statement - **C. Pruess, J. Drews**	Review use of non-HawkID credentials - **C.Pruess, J.Drews**			
	Enhanced (multi-factor) authentication solutions	Implement EV certificates on critical web applications - **W. Staal**					
		DUO support for additional campus services (follow on integration projects) - **E. Lundberg**					
4: Ensure individuals' access to University electronic resources appropriately aligns with their current relationship with the University.	Expand IdM support for campus system authorization needs	Implement additional IdM support of FERPA Training Compliance Data - **C. Pruess, J.O'Konek**					
		Implement standard provisioning/deprovisioning policies and processes for on-premise & cloud - **C. Pruess**					
		Refactor and extend service provisioning infrastructure to support standard prov/deprov solutions for on-premise and cloud services - **J. O'Konek**				Expand support for multiple HR appointments - **DNA**	
5: Continue the integration of electronic and physical identity systems to improve business processes and the security of the	ID Card and electronic door access infrastructure	Develop DIY self-service tools for ID Card and Electronic Door Access (e.g., password management, report lost/stolen card, charging election) - **C. Pruess**		Assess need for additional admin tools - **DNA**			
		Implement Millennium building upgrades to support ID Card - **C.Pruess, D. Worrell, D. Bress**					
		Expand ID card integration with electronic door access to support both Iowa One and UIHC Cards - **C. Pruess, D. Worrell, D. Bress**					
6: Develop tools, services and processes to support secure usage of mobile devices.	Device Management	Review and update existing mobile device and cloud storage guidelines, mobile resources, device standards, and travel guidelines - **J. Drews, CITL**					
		Implement infrastructure to manage mobile encrytion - **ISPO, ECM**					