ASSESSABLE UNIT: ENTER THE NAME OF YOUR ASSESSABLE UNIT HERE

BUSINESS PROCESS: ENTER YOUR BUSINESS PROCESS HERE

BANNER INDEX CODE: ENTER YOUR BANNER INDEX CODE HERE

Low Risk: If you monitor the activity and have automated tools in place to prevent, mitigate, or detect unwanted access or use.

Moderate Risk: If you periodically monitor the activity or perform the operations manually without the assistance of automated tools

which would detect unwanted access or use.

High Risk: If there are no tools in place to prevent unauthorized access or use.

	Risk	Risk Category	Question(s)	Business Risk	Audit Risk
1.	Network Security	Unauthorized access to client/server	1.1 Is your client/server environment secured with	Low Medium	Low Medium
			password access? 1.2 Are all system access	High Low	High Low
			passwords encrypted?	☐ Medium ☐ High	☐ Medium ☐ High
			1.3 Do passwords expire?	Low Medium High	Low Medium High
			1.4 Is there security software in place to detect or prevent unauthorized access to your client/server environment?	Low Medium High	Low Medium High
			1.5 Are you notified of employee terminations in a timely manner?	Low Medium High	Low Medium High
			1.6 Do you take the necessary steps to terminate network access?	Low Medium High	Low Medium High
		Viruses	1.7 Are all drives and files on the network scanned on a daily basis for viruses?	Low Medium High	Low Medium High
			1.8 Is your network virus software set up to perform updates at regular scheduled intervals?	Low Medium High	Low Medium High
		Unattended Machines	1.9 Are University personnel required to have a password screen saver or other security device enacted on unattended personal computers upon long periods of inactivity?	☐ Low ☐ Medium ☐ High	☐ Low ☐ Medium ☐ High
		Monitoring for unusual activity	1.10 Is the server being monitored for unusual activity? (i.e. Spikes in network traffic or excessive drive usage.)	Low Medium High	Low Medium High
			1.11 Is there an automated process for intrusion detection?	Low Medium High	Low Medium High

	Risk	Risk Category	Question(s)	Business Risk	Audit Risk
1.	Network Security - continued	Vendor Access	1.12 Is access given to external parties? (i.e. Vendors who	Low Medium	Low Medium
			provide technical support for	High	High
			hardware or software.)		
			1.13 Does the vendor dial-in to a	Low	Low
			modem that has a dial back	Medium	Medium
			feature?	High	High
			1.14 Are there dial-in modems	Low	Low
			connected to your local area	Medium	☐ Medium
			network (LAN) that enable	☐ High	☐ High
			users to remotely dial-in from		
			an external location and access		
			applications or files stored on		
			your local server?		
		Firewall	1.15 Is there a firewall protecting the	Low	Low
			network environment?	Medium	Medium
				High	High
			1.16 Is incoming traffic to the	Low	Low
			modems protected by the	Medium	Medium
			firewall?	High	High
			1.17 Is the firewall protecting	Low	Low
			network access? (This refers to	Medium	Medium
			incoming and outgoing traffic	High	High
			through the LAN.)	Low	Low
			1.18 Is the firewall protecting application access? (This refers	☐ Low ☐ Medium	Medium
			to applications residing on your	High	High
			LAN.)		Ingn
			1.19 Does all incoming traffic go	Low	Low
			through the firewall? (This	Medium	Medium
			would also include other	High	High
			University traffic.)	_ 0	_ 0
			1.20 Does all outgoing traffic go	Low	Low
			through the firewall? (This	☐ Medium	☐ Medium
			would include traffic from the	☐ High	High
			LAN to the University		
			environment.)		
			1.21 Are there controls in place to	Low	Low
			prevent denial-of-service (DoS)	Medium	Medium
			attacks? (i.e. The attacker	☐ High	☐ High
			floods the VSU web site with		
			many electronic message requests for service that it slows		
			down or crashes the network or		
			computer targeted.)		
1.	Network Security	Firewall - continued	1.22 Does firewall technology have	Low	Low
- •	- continued	1 10 wan commund	security logging turned on?	Medium	Medium
				High	High

Risk	Risk Category	Question(s)	Business Risk	Audit Risk
	Web Server	1.23 Does the assessable unit have an active web server?	Low Medium High	Low Medium High
		1.24 Does the web server allow access to other servers?	Low Medium High	Low Medium High
	Key person Dependency for the Network	1.25 Is there a designated individual ensuring that the LAN remains functional?	Low Medium High	Low Medium High
	Environment	1.26 Is there a backup person to perform LAN administrative functions?	Low Medium High	Low Medium High
		1.27 Are there documented security policies and procedures?	Low Medium High	Low Medium High
		1.28 Is there a designated individual that has been assigned the role of Security Officer to ensure a secured IT environment?	Low Medium High	Low Medium High
		1.29 Does the Security Officer have a designated backup?	Low Medium High	Low Medium High

Assessable Unit Comments: Enter your comments here

	Risk	Risk Category	Question(s)	Business Risk	Audit Risk
2.	Application Security	Unauthorized access to Application	2.1 Is the function of assigning access to application softwar performed by one individual		Low Medium High
			2.2 Does one individual perform the function of assigning acc to assessable unit –specific software?	ess	Low Medium High
			2.3 Do all applications residing of the network require a passwort to gain access?		Low Medium High
			2.4 Are application passwords in clear text for viewing by the security administrator?	Low Medium High	Low Medium High
			2.5 Do application passwords expire?	Low Medium High	Low Medium High
			2.6 Are there policies and procedures to indicate who sinhave access and the type of access allowed? (i.e. Inquiry Add, Edit, Delete)	High	Low Medium High
			2.7 Are there any passwords that are shared among users?	☐ Medium ☐ High	Low Medium High
			2.8 Do the faculty and staff fully understand their responsibilit for computer security?		Low Medium High
		Sensitive Data	2.9 Does anyone in this assessab unit have access to informati that is considered sensitive o confidential?	on Medium	Low Medium High
			2.10 Are there application parameters or safeguards to limit the areas that can be viewed, changed, or added by the user?		Low Medium High
			2.11 Do web-enabled transactions that require user authentication transfer sensitive data, or transfer funds use encryption such as SSLv3?	on, Medium High	Low Medium High

	Risk	Risk Category	Question(s)	Business Risk	Audit Risk
2.	Application Security - continued	Data Integrity	2.12 Is sensitive data stored in a secure environment? (i.e. Electronic limitations on viewing, reporting, or physically accessing information.)	Low Medium High	Low Medium High
			2.13 Have any new applications been added, or have there been major modifications to existing applications within the last 2 years?	Low Medium High	Low Medium High

Assessable Unit Comments: **Enter your comments here**

	Risk	Risk Category		Question(s)	Business Risk	Αι	ıdit Risk
3.	Ensure	Backups	3.1	Are backups performed on a	Low		Low
	Availability of			reoccurring schedule at least	Medium	Ш	Medium
	Data			nightly or when critical	High		High
				information changes?			
			3.2	Is the task of performing	Low		Low
				backups assigned to one person	Medium		Medium
				as part of their regular job responsibility?	High		High
			3.3	Has the backup media ever	Low		Low
				been actually used or tested to	Medium		Medium
				recover data?	High		High
			3.4	Do your backups include	Low	П	Low
				Application programs?	Medium	同	Medium
					High		High
			3.5	Do your backups include the	Low		Low
				Operating system?	Medium		Medium
					High		High
			3.6	Do your backups include all	Low		Low
				Transaction files?	Medium		Medium
					High		High
			3.7	Are the backups stored in a	Low		Low
				secure off-site location?	Medium		Medium
					High		High
			3.8	Is the server connected to an	Low		Low
				uninterrupted power supply	Medium		Medium
				(UPS)?	High		High
					-		-
	l		l				

Assessable Unit Comments: Enter your comments here

	Risk	Risk Category		Question(s)	Business Risk	Αι	ıdit Risk
4.	Physical Security	Equipment Location	4.1	Is the location where the server equipment resides secured? (i.e. Locked room with access to only IT personnel.)?] Low] Medium] High		Low Medium High
			4.2	Is the client/server equipment accessible only to system personnel?] Low] Medium] High		Low Medium High
			4.3	Has physical security been reviewed with the DPPS and Facilities Management?] Low] Medium] High		Low Medium High
			4.4	Are desktops and notebooks equipped with anti-theft devices?] Low] Medium] High		Low Medium High
			4.5	Are servers located in environmentally controlled areas which contain: Smoke detectors? Water detectors? Fire suppression systems? Temperature sensors?] Low] Medium] High		Low Medium High
			4.6	Are surge protectors (at least) used on desktop computers?] Low] Medium] High		Low Medium High
			4.7	Are individual firewalls installed on any desktops, notebooks or servers in the department?] Low] Medium] High		Low Medium High
			4.8	Is there an accurate inventory of all computing equipment and software? If so, is a copy of the inventory stored off-site?] Low] Medium] High		Low Medium High

Assessable Unit Comments: Enter your comments here

	Risk	Risk Category		Question(s)	Business Risk	Audit Risk
5.	Internal Control Environment	Policies and Procedures	5.1	Are there documented policies and procedures governing desktop computer use? Has the policies and procedures been communicated to all employees?	Low Medium High Low Medium High	Low High Low Medium High High High
			5.3	Is sensitive data removed from hardware, software and media prior to reuse or disposal according to the Data Removal from State Electronic Equipment Standard (SEC2003-02.1 issued by the VITA?	Low Medium High	Low Medium High
			5.4	Have the faculty who are conducting research determined if the data they are collecting should be classified as sensitive?	Low Medium High	Low Medium High
			5.5	Do the faculty and staff who administer sensitive data understand and follow appropriate federal, state, grant agency, or university regulations for protecting and backing up data?	Low Medium High	☐ Low ☐ Medium ☐ High
			5.6	Are student workers given access to confidential teaching, research or administrative data? If so, is their use of such data monitored closely?	Low Medium High	Low Medium High
			5.7	Are user agreements clearly stating required authentication and protection levels established with all external agencies and institutions with which data are shared?	Low Medium High	Low Medium High
			5.8	Is the unencrypted transmission of sensitive data or memos through e-mail discouraged?	Low Medium High	Low Medium High
			5.9	Are particularly sensitive systems and infrastructures formally identified on a periodic basis?	Low Medium High	Low Medium High
			5.10	Do you have a written process for handling known suspected breaches to security safeguards (e.g. intrusion detection)?	Low Medium High	Low Medium High

	Risk	Risk Category	Question(s)	Business Risk	Audit Risk
5.	Internal Control	Policies and	5.11 Documented evidence is	Low	Low
	Environment -	Procedures -	available to measure staff	Medium	☐ Medium
	continued	continued	efforts in keeping aware of	☐ High	☐ High
			emerging technology issues		
			through training and continuing		
			education programs.		

Assessable Unit Comments: Enter your comments here

	Risk	Risk Category		Question(s)	Business Risk	Audit Risk
6.	Ability to Continue Operations	Disaster Recovery Plan	6.1	Has a disaster recovery plan been developed to ensure continued services in the case of system (hardware or software) inoperability?	Low Medium High	Low Medium High
			6.2	Are regular updates of the disaster recovery plan performed?	Low Medium High	Low Medium High
			6.3	Has the disaster recovery plan been tested at least annually?	Low Medium High	Low Medium High
		Business Continuity Plan	6.4	Has a business continuity plan been developed? (i.e. Ensures that safeguards are in place if the University is to experience a natural, accidental, or intentional disaster.)	Low Medium High	Low Medium High
			6.5	Are regular updates of the business continuity plan performed?	Low Medium High	Low Medium High
			6.6	Has the business continuity plan been tested?	Low Medium High	Low Medium High

Assessable Unit Comments: Enter your comments here

	Risk	Risk Category		Question(s)	Business Risk	Audit Risk
7.	Applications	Availability/Useful Life	7.1	Do you have any critical applications that will be unsupported in the next 5 years?	Low Medium High	Low Medium High
			7.2	Do you have a policy for tracking software licenses?	Low Medium High	Low Medium High
			7.3	Do you have a policy for tracking software maintenance?	Low Medium High	Low Medium High
		Complexity of Systems	7.4	What is the activity's degree of difficulty in implementing and maintaining hardware, software, and telecommunications systems? The following should be considered: • Relative size of environment • Diversity of applications • State of the art technology utilization • Number and nature of interfaces / interconnections; and • Quality, knowledge, skills, and disciplines of staff	Low Medium High	Low Medium High

Assessable Unit Comments: Enter your comments here

8. Indicate the impact to your operations if the application or interface used in your environment is rendered inoperable. Please complete for all applications and interfaces that may affect your operations.

<u>High</u> = Rely on the application or interface and will be unable to continue operating.

<u>Medium</u> = Rely on the system or interface; however, other systems and/or processes in place to lessen the impact. Can operate effectively for at least 1 week without the application or interface.

Low = No impact; will continue to operate without interruption.

Application or Interface	High	Medium	Low
Banner Finance			
Banner HR			
Banner Student			
FRS Plus			
SIS Plus			
Novell GroupWise			
TickeTrak			
Blackboard			
Sallie Mae Tuition Payment Plan			
SIS Web Access: Web for Students			
SIS Web Access: Web for Faculty/Advisor			
Office of University Development Online Donation			
Enter additional application or interface here.			
Enter additional application or interface here.			
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Enter additional application or interface here.			

Mission Impact Analysis Questions (#9 – #17)

9.	What is your department's mission? Enter response here.
10.	What are the key functions your department performs to implement your mission?
10.	Enter response here.
11.	What IT personnel are critical to the performance of those key functions listed in #10 above? Please list the job roles and the incumbents' names and prioritize them based on their criticality to the functions identified above. Be sure to include individual, departmental, central VSU and external (e.g. vendor) personnel a appropriate. Also, include the names of the backup personnel for these key functions.
	Examples:
	Server administratorsDatabase administrators
	•Helpdesk administrators
	•Information security officers
	•Network administrators
	Enter response here.

12. What IT hardware infrastructure and assets are critical to the performance of those key functions listed in #10 above? Please list these assets and prioritize them based on their criticality to the functions identified above. Be sure to include individual, departmental, central VSU and external (e.g., vendor) assets as appropriate, and list a system administrator, model number and operating system, where applicable, for each asset.

Examples:

- •Servers (including those hosted by others)
- •Desktops/laptops/PDAs that host critical or protected data

Enter response here.

13. What IT software and data assets are critical to the performance of those key functions listed in #10 above? Please list these assets and prioritize them based on their criticality to the functions identified above. Be sure to include individual, departmental, central VSU and external (e.g., vendor, federal and state data swapping) assets as appropriate.

Examples:

- •Academic: instructional resources, student data, grant data, databases necessary to maintain a given research program
- •Administrative: protected student or financial data necessary for business operations and student services
- •Health-related: protected clinical patient data and research
- •External data provider

Enter response here.

14.	Has there been any loss, unavailability, corruption or inappropriate disclosure of critical IT assets or data within the last 2 years? If so, how effective was the response?		
	Enter response here.		
15.	What relevant personnel turnover, additions or subtractions, or role changes have occurred in the last 2 years?		
	Enter response here.		
16.	What interim risk mitigation measures have been put in place for new systems?		
	Enter response here.		

17.	a)	How is IT performance measured and what are the key performance indicators? Enter response here.			
	b)	Are performance reports periodically prepared to Executive management and/or those charged with University governance? Enter response here.			
	c)	For any of the IT services outsourced, does the Service organization obtain an independent assessment on the quality of services, control procedures, or other relevant information to assess performance and are such assessments reviewed by University management? Enter response here.			
18.	Other Factors to Consider				
	Ple	ease provide additional management concerns or information deemed relevant to the risk of the assessable it.			
	As	sessable Unit Comments: Enter your comments here.			
	Int	ernal Audit Comments: Reserved for comments by Internal Audit.			

The information provided is true and objective to the best of my knowledge and ability.

Completed by: Name of who completed the survey Date mm/dd/year

Reviewer 1 (if applicable): Name of reviewer #1 Date mm/dd/year

Reviewer 2 (if applicable): Name of reviewer #2 Date mm/dd/year

Cabinet Member Approval: Name of Cabinet Member Date: mm/dd/year