Threat and Vulnerability Assessment Tool





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TABLE OF CONTENTS

Threat & Vulnerability Assessment Process	4
Purpose	5
Components of a Threat & Vulnerability Assessment	5
Administrative Safeguards	5
Logical Safeguards	5
Physical Safeguards	5
Threat Analysis	6
Threat and Risk Assessment Matrix	7
Sample Graphic	8
Threat & Vulnerability Assessment Work Plan	9
Risk Management Process	9
Overview	9
Purpose	9
Scope	0
Work Plan10	D
Appendix	2
Forms	2
Threat and Vulnerability Assessment Form	
Risk Assessment Matrix Form	
Risk Assessment Spreadsheet	
Threat and Vulnerability Excel Spreadsheet	
Job Descriptions	2
Chief Security Officer (CSO)	
Manager Compliance	
Manager Security and Workstations	
Manager SOX Compliance	
What's New1	3



THREAT & VULNERABILITY ASSESSMENT PROCESS

Risk management is a process to identify, assess, manage, and control potential events to provide reasonable assurance regarding the achievement of business objectives. The risk management process has five key objectives:

- Identify and prioritize risk arising from business strategies and activities
- Determine the level of risk acceptable to the university (risk appetite)
- Lesign and implement risk mitigation activities designed to reduce risk
- Perform ongoing monitoring activities to re-assess risk and the effectiveness of controls
- Communicate periodic risk management process reports to management

To complete a compressive assessment there are six components in the planning and execution:

- 1. Define the scope of the process (Internal and external resource identification)
- 2. Data gathering via questionnaires, interviews, and analysis of existing data
- 3. Review of existing policies and procedures
- 4. Identification of potential threats
- 5. Analysis of
- 6. Review and

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Successful threat and vulnerability assessments require the full support of senior management and are conducted by teams that include both functional managers and information technology administrators.

As business operations, workflow, or technologies change, periodic reviews must be conducted to analyze these changes, account for new threats and vulnerabilities created by these changes, and determine the effectiveness of existing controls.



THREAT ANALYSIS

Threats are anything that could contribute to accessing, altering, tampering with processes, destruction of assets (both physical and digital), business interruptions, and reduction in the value of the reputation or assets of the enterprise:

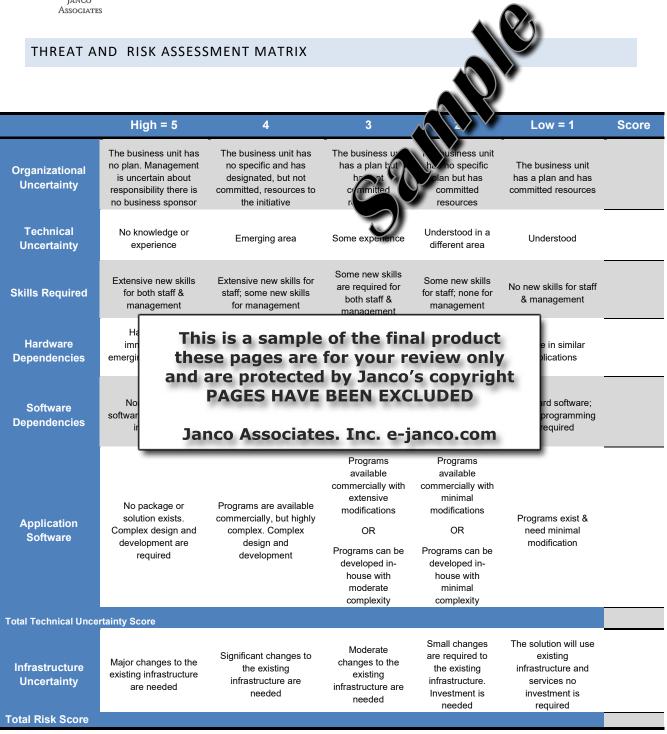
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Threats that are identified need to be evaluated with the operational enterprise environment and the effect the threat, if it occurs will have on the enterprise, its employees, and/or operations.

The presentation of findings is greatly enhanced when treats are quantified and graded in such a way that the probability and costs associated with each treatment are put in perspective. To that end, the table that follows is key to their process.



Threat and Vulnerability Assessment tool





SAMPLE GRAPHIC

Below is a sample graphic that can be generated with the attached Excel Spreadsheets.

Threat and Vulnerability Assessment Physical and Electronic Sites Risk Ranking Vulnerability (Probability of Threat) Low Will Occur High Moderate Fx Impact of Loss Under 5%< >25% over 90% 90% 25%< >10% 10% Catastrophic Very High Noticeable to ENTERPRISE Minor None **Risk Point Value** Low Moderate Extreme High Impact of Loss Under 75%< >25% 25%< >10% 90%< >75% 10% Catastrophic 8 7 6 5 4 Very High 5 3 7 6 Noticeable to ENTERPRISE This is a sample of the final product Minor these pages are for your review only None and are protected by Janco's copyright PAGES HAVE BEEN EXCLUDED Janco Associates. Inc. e-janco.com

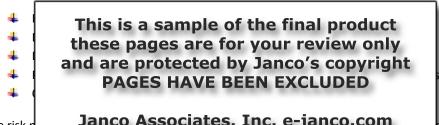


THREAT & VULNERABILITY ASSESSMENT WORK PLAN

RISK MANAGEMENT PROCESS

Overview

Risk management is a process to identify, assess, manage, and control potential events to provide reasonable assurance regarding the achievement of business objectives. The risk management process has five key objectives:



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The risk r

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carried out by IT staff but

as an essential management function of the enterprise. The principal goal of the Information Technology Risk Management Program is to protect IT assets and the company's ability to carry out its mission in the face of potential threats to its IT assets

Purpose

The purpose of the IT Risk Management Program is to:

- Comply with the Board of Director's risk policy, as well as other state and federal regulations, to develop, implement, and maintain a security plan with appropriate and auditable controls;
- Provide a governance framework for understanding potential risks to IT assets based on the threat assessment plan;
- Provide guidelines for evaluating and documenting the management, operational, and technical environment of IT assets; and
- Provide management with direction, planning, and guidance in the area of information threat assessments.



APPENDIX

Attached as separate items are the following:

Forms

Threat and Vulnerability Assessment Form

Risk Assessment Matrix Form

Risk Assessment Spreadsheet

Threat and Vulnerability Excel Spreadsheet

Job Descriptions

Chief Security Officer (CSO)

Manager Compliance

Manager Security and Workstations

Manager SOX Compliance

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WHAT'S NEW

2024

- 4 Add Job Description for
 - Chief Security Officer
- Updated all the included forms, job descriptions, and spreadsheets

2023

- Add Job Descriptions for
 - o Manager Compliance
 - Manager Security and Workstations
 - o Manager SOX Compliance
- Updated all the included forms and spreadsheets

2022

- Added materials to the Work Plan that addresses issues with WFH, shutdowns, and pandemic
- Updated all the included forms and spreadsheets

2021

- Updated all the included forms and spreadsheets
- Updated to Ransomware implications

2020

- Updated all the included forms and spreadsheets
- Updated to consider CCPA and GDPR implications
- Reformatted tool per client suggestions

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