Managing Enterprise Cybersecurity MIS 4596

Class 8

Milestone 1 Review with Guidance for Milestone 2

Report Content and Grading

- 1. Title Page and Header/Footer
- 2. Executive Summary
- 3. Table Breach of Security Objectives of Financial Information Management Data Types and Risk Impacts to Organizational Operations, Assets, or Individuals
- **4. Section 1** Security Objectives for Financial Information Management Systems Data Types
- 5. Section 2 Risk Impact Categories for breaches of Security Objectives
- **6. Section 3** Risk Impact Categories for breaches of Security Objectives for Financial Information Management Systems Data Types
- 7. References
- 8. Glossary

Grading Rubric and Distributions

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	Title Page	and	Header/Fo	ooter					ive Summary				Tal	ole				Section					Section						Section 3				Gr	rade	
									Explaination			١					١		Define CIA			l		Define					Info Type	Explain			-/		
Student	•	L .				Goal of		Breach on	of .	Report	l	Contents		Table			n Section		Security			Section		Impact		Section	Section			Categorization		5.6			Numeric
Name	Name						Type	Organization	Impact	Sections		of Table		Description			Title	Intro	Objectives			Title	Intro	Categories 1	_	# _	Title	Intro C	Categorization	and Impacts	Iotal	References		_	Grade
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Title Page and Header/Footer

Student	Report				
Name	Name	Date	Course	Page #s	Total
5	3	1	0.5	0.5	10

Executive Summary

		Impact of	Explaination	Introduce	
Goal of	IS	Breach on	of	Report	
Paper	Туре	Organization	Impact	Sections	Total
10	5	5	5	5	30

Table

Contents	Table	Table	
of Table	Title	Description	Total
10	5	5	20

Section 1

			Define CIA	
Section	Section		Security	
#	Title	Intro	Objectives	Total
5	5	5	10	25

Section 2

			Define	
Section	Section		Impact	
#	Title	Intro	Categories	Total
5	5	5	10	25

Section 3 (with an example)

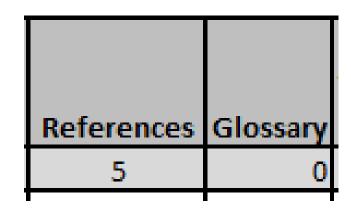
			Info Type	Explain	
Section	Section		Security	Categorization	
#	Title	Intro	Categorization	and Impacts	Total
5	5	5	5	5	25

Funds Control: Moderate Impact (Serious Adverse Effect)

The overall impact rating for the funds control information type is moderate, meaning a breach would have a serious adverse effect on organizational assets, operations, and individuals. This is because while availability has a low impact level, confidentiality and integrity have moderate impact levels.

Confidentiality breaches were assigned a moderate impact because certain funds control information like budgets and performance outcomes give important insight into operations and unauthorized

References and Glossary – with examples



https://www.nist.gov/nist-research-library/reference-format-nist-publications

References T

National Institute of Standards and Technology (2004) Standards for Security Categorization of Federal Information and Information Systems. (U.S. Department of Commerce, Washington, D.C.), Federal Information Processing Standards Publication (FIPS PUBS) 199, https://doi.org/10.6028/NIST.FIPS.199, Accessed 2 Feb. 2023.

National Institute of Standards and Technology (2010) Appendices to Guide for Mapping Types of Information and Information Systems to Security Categories. (U.S. Department of Commerce, Washington, D.C.), NIST Special Publication (NIST SP) 800-60 Vol. 2, Rev. 1, https://doi.org/10.6028/NIST.SP.800-60v2r1, Accessed 2 Feb. 2023.

Glossary

Availability: This security objective aims to ensure that critical information and systems remain accessible and reliable even in the event of a security breach of the financial information system.

Adverse effect: The harmful consequences that may arise from a security breach, such as damage to reputation, legal complications, and financial losses. These outcomes can be categorized as limited, serious, or catastrophic.

Confidentiality: The security objective of preventing unauthorized entities from viewing confidential or sensitive information in the case of a breach in the financial information system.

FIPS Publication 199: A guideline that defines the three impact ratings of confidentiality, integrity, and availability, which are used to categorize information and information systems.

Impact rating: A measure of potential harm that can result from a security breach. It is assigned to specific information types and security objectives and is classified as low, moderate, and high depending on the severity of the impact.

Integrity: This security objective is to prevent the unauthorized alteration or destruction of data and ensure the completeness and accuracy of information if the financial information system experiences a breach.

NIST Special Publication 800-60 Volume II: A guide from the National Institute of Standards and Technology that classifies information systems based on the potential impacts of a security breach.