

Managing Enterprise Cybersecurity

MIS 4596

Class 8

Milestone 1 Review with Guidance for Milestone 2

Report Content and Grading

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Grading Rubric and Distributions

| Title Page and Header/Footer | | | | | | | Executive Summary | | | | | Table | | | | Section 1 | | | | | Section 2 | | | | | Section 3 | | | | | Grade | | | | | |
|------------------------------|-------------|------|--------|---------|-------|---------------|-------------------|----------------------------------|-----------------------|---------------------------|-------|-------------------|-------------|-------------------|-------|-----------|---------------|-------|--------------------------------|-------|-----------|---------------|-------|--------------------------|-------|-----------|---------------|-------|-----------------------------------|------------------------------------|-------|------------|----------|-------------|---------------|-----|
| Student Name | Report Name | Date | Course | Page #s | Total | Goal of Paper | IS Type | Impact of Breach on Organization | Explanation of Impact | Introduce Report Sections | Total | Contents of Table | Table Title | Table Description | Total | Section # | Section Title | Intro | Define CIA Security Objectives | Total | Section # | Section Title | Intro | Define Impact Categories | Total | Section # | Section Title | Intro | Info Type Security Categorization | Explain Categorization and Impacts | Total | References | Glossary | Total Score | Numeric Grade | |
| 5 | 3 | 1 | 0.5 | 0.5 | 10 | 10 | 5 | 5 | 5 | 5 | 30 | 10 | 5 | 5 | 20 | 5 | 5 | 5 | 10 | 25 | 5 | 5 | 5 | 10 | 25 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 140 | |
| 5 | 3 | 0 | 0.5 | 0.5 | 9 | 10 | 5 | 5 | 5 | 5 | 30 | 10 | 4 | 5 | 19 | 5 | 5 | 4 | 9 | 23 | 5 | 5 | 4 | 9 | 23 | 5 | 5 | 0 | 4 | 5 | 19 | 5 | 0 | 128 | 91% | |
| 5 | 3 | 0 | 0.5 | 0 | 8.5 | 10 | 5 | 5 | 2 | 5 | 27 | 10 | 3 | 4 | 17 | 4 | 5 | 4 | 9 | 22 | 4 | 5 | 4 | 9 | 22 | 4 | 5 | 0 | 4 | 5 | 18 | 0 | 0 | 114.5 | 82% | |
| 5 | 3 | 1 | 0 | 0 | 9 | 10 | 5 | 5 | 3 | 4 | 27 | 10 | 4 | 5 | 19 | 5 | 5 | 5 | 9 | 24 | 5 | 5 | 5 | 9 | 24 | 0 | 0 | 0 | 5 | 3 | 8 | 3 | 0 | 114 | 81% | |
| 5 | 3 | 1 | 0 | 0.5 | 9.5 | 10 | 5 | 1 | 1 | 5 | 22 | 8 | 4 | 4 | 16 | 0 | 0 | 4 | 9 | 13 | 5 | 4 | 5 | 9 | 23 | 5 | 5 | 5 | 4 | 4 | 23 | 3 | 0 | 109.5 | 78% | |
| 5 | 3 | 0 | 0.5 | 0.5 | 9 | 9 | 4 | 1 | 1 | 4 | 19 | 9 | 4 | 1 | 14 | 5 | 5 | 4 | 9 | 23 | 5 | 4 | 4 | 9 | 22 | 5 | 4 | 0 | 4 | 4 | 17 | 3 | 0 | 107 | 76% | |
| 5 | 3 | 0 | 0.5 | 0.5 | 9 | 8 | 5 | 0 | 0 | 0 | 13 | 10 | 3 | 4 | 17 | 5 | 5 | 4 | 8 | 22 | 5 | 5 | 5 | 9 | 24 | 5 | 4 | 0 | 4 | 4 | 17 | 3 | 0 | 105 | 75% | |
| 5 | 3 | 0 | 0 | 0.5 | 8.5 | 9 | 5 | 0 | 1 | 0 | 15 | 8 | 4 | 4 | 16 | 4 | 5 | 4 | 9 | 22 | 5 | 4 | 3 | 8 | 20 | 5 | 4 | 0 | 5 | 4 | 18 | 5 | 0 | 104.5 | 75% | |
| 5 | 3 | 0 | 0 | 0 | 8 | 8 | 5 | 5 | 1 | 0 | 19 | 10 | 4 | 4 | 18 | 5 | 5 | 0 | 9 | 19 | 5 | 4 | 0 | 9 | 18 | 5 | 4 | 0 | 4 | 4 | 17 | 5 | 0 | 104 | 74% | |
| 5 | 3 | 1 | 0.5 | 0.5 | 10 | 10 | 5 | 5 | 3 | 0 | 23 | 10 | 4 | 3 | 17 | 5 | 1 | 0 | 8 | 14 | 5 | 4 | 0 | 9 | 18 | 5 | 4 | 0 | 4 | 4 | 17 | 5 | 0 | 104 | 74% | |
| 3 | 3 | 0 | 0 | 0.5 | 6.5 | 10 | 5 | 4 | 1 | 4 | 24 | 10 | 3 | 2 | 15 | 0 | 5 | 4 | 9 | 18 | 0 | 4 | 4 | 9 | 17 | 0 | 4 | 4 | 4 | 4 | 4 | 16 | 4 | 3 | 103.5 | 74% |
| 5 | 3 | 1 | 0.5 | 0.5 | 10 | 10 | 5 | 0 | 1 | 4 | 20 | 10 | 0 | 4 | 14 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 0 | 5 | 5 | 15 | 5 | 0 | 100 | 71% | |
| 5 | 3 | 0 | 0 | 0.5 | 8.5 | 10 | 5 | 0 | 0 | 0 | 15 | 10 | 4 | 4 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 0 | 5 | 4 | 14 | 5 | 0 | 96.5 | 69% | |
| 5 | 3 | 1 | 0 | 0.5 | 9.5 | 10 | 5 | 0 | 0 | 5 | 20 | 10 | 5 | 4 | 19 | 5 | 0 | 1 | 9 | 15 | 5 | 0 | 1 | 9 | 15 | 5 | 0 | 0 | 5 | 5 | 15 | 3 | 0 | 96.5 | 69% | |
| 5 | 3 | 1 | 0 | 0.5 | 9.5 | 9 | 5 | 0 | 1 | 0 | 15 | 10 | 3 | 0 | 13 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 0 | 5 | 4 | 14 | 5 | 0 | 92.5 | 66% | |
| 5 | 3 | 0 | 0.5 | 0 | 8.5 | 9 | 5 | 4 | 3 | 0 | 21 | 10 | 1 | 0 | 11 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 0 | 3 | 4 | 12 | 0 | 0 | 88.5 | 63% | |
| 0 | 3 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 5 | 10 | 2 | 3 | 15 | 3 | 5 | 4 | 9 | 21 | 3 | 5 | 4 | 9 | 21 | 3 | 5 | 4 | 4 | 4 | 20 | 3 | 0 | 88 | 63% | |
| 3 | 3 | 0 | 0 | 0.5 | 6.5 | 9 | 5 | 0 | 1 | 0 | 15 | 8 | 0 | 3 | 11 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 4 | 9 | 18 | 5 | 0 | 3 | 5 | 5 | 18 | 1 | 0 | 87.5 | 63% | |
| 5 | 0 | 1 | 0 | 0 | 6 | 8 | 5 | 0 | 0 | 5 | 18 | 10 | 0 | 1 | 11 | 0 | 5 | 4 | 9 | 18 | 0 | 5 | 4 | 9 | 18 | 0 | 5 | 0 | 5 | 4 | 14 | 0 | 0 | 85 | 61% | |
| 5 | 3 | 0 | 0 | 0 | 8 | 10 | 5 | 1 | 1 | 0 | 17 | 8 | 0 | 0 | 8 | 5 | 0 | 2 | 9 | 16 | 5 | 0 | 2 | 9 | 16 | 5 | 0 | 0 | 4 | 4 | 13 | 3 | 0 | 81 | 58% | |
| 5 | 3 | 0 | 0 | 0.5 | 8.5 | 8 | 5 | 0 | 0 | 0 | 13 | 7 | 0 | 0 | 7 | 0 | 0 | 4 | 9 | 13 | 0 | 0 | 4 | 8 | 12 | 0 | 0 | 0 | 3 | 4 | 7 | 3 | 0 | 63.5 | 45% | |

Title Page and Header/Footer

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

Executive Summary

| Goal of Paper | IS Type | Impact of Breach on Organization | Explanation of Impact | Introduce Report Sections | Total |
|---------------|---------|----------------------------------|-----------------------|---------------------------|-------|
| 10 | 5 | 5 | 5 | 5 | 30 |

Table

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

Section 1

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

Section 2

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

Section 3 (with an example)

| Section # | Section Title | Intro | Info Type Security Categorization | Explain 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

| | |
|------------|----------|
| References | Glossary |
| 5 | 0 |

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

References

I

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.