Assignment 1 - System Categroization
Security Categorization
CSE 4380

Group Thorin

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Members:	Obadah Al-Smadi
	Betim Hodza
	Elliot Mai
	Benjamin Niccum
	Nicholas Pratt
Instructor:	Trevor Bakker

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1 Security Categorization

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1.1 Reference Standards

- FIPS 199: Security categorization for federal systems.
- NIST SP 800-60: Mapping security categories to information types.

1.2 Impact Levels (Confidentiality, Integrity, Availability)

Information Types	Confidentiality	Integrity	Availability
Power Supply/ Battery	L minimal impact due to information only of the battery itself	L Due to loss of Integrity	H severe impact to the mission can no longer operate drone without power
Rotors / ECU	L Due to loss of Confidentiality	L Due to loss of Integrity	L Due to loss of availability, severe impact to the mission capability
FILL	L Due to loss of Confidentiality	L Due to loss of Integrity	L Due to loss of availability, severe impact to the mission capability
FILL	L Due to loss of Confidentiality	L Due to loss of Integrity	L Due to loss of availability, severe impact to the mission capability
FILL	L Due to loss of Confidentiality	L Due to loss of Integrity	L Due to loss of availability, severe impact to the mission capability
General-Information	L	L	L
System Categorization			
	Moderate	High	High

1.3 Overall Categorization

1.4 Justification

2 Risk Management & Compliance

Alignment with Risk Management Framework (RMF) per NIST SP 800-37. Categorization informs security control selection (NIST SP 800-53). Ongoing assessment and mitigation per FIPS 200 minimum security controls.