Project Title:	Guidance for Security Operations Center Planning and Design
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BACKGROUND

An airport Security Operations Center (SOC) is a complex ecosystem that supports, at a minimum, security regulatory compliance and situational awareness at an airport. The location, functionality, operating structure, and technologies utilized in the SOC vary by airport, and are based on the airport's specific operational needs, resources, and security posture. These centers may also operate in conjunction with other functional centers, such as the Airport Operations Center (AOC) and Emergency Operations Center (EOC), which may or may not be collocated.

A well designed SOC is scalable and takes into account operational layout, number of operators, support functions within the space, and many other factors that contribute to maximum effectiveness. Additionally, as security systems become more complex and integration platforms become more common, it is critical for the human-machine interface to work in harmony with the SOC operators.

Considering the multitude of factors that contribute to an effective and efficient SOC, a comprehensive resource is needed to ensure decisions are strategic and well-informed.

OBJECTIVE

The objective of this research is to develop comprehensive guidance to assist airports with SOC planning, design, and implementation. The guidance should address considerations for:

- Site selection
- Ownership/Operating models
- Functionality
- Interoperability with AOC, EOC, or other "centers"
- Technology and potential integrations
- Space planning and layout, including human factors
- Operational redundancy
- Operational Readiness, Activation, and Transition
- Future proofing and scalability
- Strategies for optimizing an existing SOC

The guidance should include options and strategies for airports of all sizes and resource levels.