



NATIONAL SAFE SKIES ALLIANCE

Program for Applied Research in Airport Security

PARAS 0070 Project Summary

Project Title:	Utilizing Lock-and-Key Systems in Airport Access Control Programs		
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Research Agency:	Kinexis Consulting		
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Funds:	\$200,000		

BACKGROUND

Airports are large, complex facilities that have many different areas with varying security requirements. Aviation workers may need access to multiple facilities for their assigned job duties, but it is inefficient to require workers to carry multiple sets of keys and/or access media to access all of these different areas. Maintaining multiple access control methods also requires strict oversight and accountability measures to prevent unauthorized access. Options and strategies are needed to help facilitate seamless and efficient worker access to various airport facilities, while also maintaining control of keys to prevent unauthorized access.

OBJECTIVE

The objective of this research is to assist airports in developing and evaluating strategies that utilize lock-and-key systems as part of the access control program. At a minimum, the final deliverable should address:

- Overview of relevant technology
- Overview of keyway systems
- Evaluation of access control options by door/portal type, location, and operational needs
- Cost considerations
- Implementation strategies for new construction and retrofitting existing facilities
- Accountability and control measures, including process for key issuance, monitoring, and retrieval
- Audit practices
- Regulatory considerations

The resulting guidance should be applicable to airports of all sizes.