

**TRANSPORTATION SECURITY ADMINISTRATION
OFFICE OF SECURITY TECHNOLOGY**

**Airport Biometrics Access Control
Qualified Products Lists (QPL)**

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Agenda

- Mandate
- QPL Process
- QPL Phases
- Current Biometrics QPL
- QPL Protocol Test Requirements
- QPL Biometric Performance Requirements

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Federal Mandate

- Intelligence Reform and Terrorism Prevention Act of 2004 (PL 108-458)
 - Directs the TSA to “issue guidance”, “establish requirements”, and “list products” meeting requirements
 - Scope – use biometrics technology in airport employee access control systems
 - Guidance signed and published September 30, 2005, containing:
 - Implementation Guidance
 - Requirements
 - Plan for QPL (Qualified Products List)

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QPL Process

- Current and planned TSA QPL process – major steps
 - Manufacturer selects an approved lab for product testing
 - Current TSA approved lab – IBG
 - Lab-Manufacturer agree to business agreement and test schedule
 - Test Report developed by lab, submitted to TSA for review
 - TSA technical review of Test Report
 - Confirm lab recommendation of PASSING status
 - Clarify any additional information or calculations (as needed)
 - Recommendation for approval of addition to QPL

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Current Biometrics QPL



Bioscrypt V-Station
Mifare V9.50
Integrated Reader



Cogent ID-Gate
Integrated Reader



Integrated Biometrics TRU
650 Reader



Lumidigm Lightprint
J Series Multispectral
Fingerprint Scanner



Lumidigm Lightprint
Venus Series
Multispectral
Fingerprint Scanner

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QPL Protocol Test Requirements

- Protocol Details
 - Indoor, controlled conditions
 - Manufacturer set matching threshold
 - 250 person test subjects, demographically controlled
 - Enrollment plus three revisits (two week intervals)
 - Five Genuine and Five Imposter transactions per visit
 - Approximately 3,000 Genuine and 3,000 Imposter transactions

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QPL Biometric Performance Requirements

- Matching Accuracy
 - < 1% False Reject Rate (FRR)
 - < 1% False Accept Rate (FAR) ¹
- Enrollment
 - < 3% Failure To Enroll (FTE)
- Transaction Time
 - < 6 seconds
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- ¹ based on up-to-3 attempt transactions

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