

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

Certificate in Airport Security Operations

Foundation Level



LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

Reference AV-ASS-F • Aviation Centres

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	AV-ASS-F
AWARD	Certificate
ASSESSMENT	440 marks — 264 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Access Control Procedures 4 chapters · 20 classes 65 marks	
• 1 Understanding Access Control Systems in Aviation — 5 classes › 1.1 Exploring the Basics of Access Control in Aviation › 1.2 Identifying Types of Access Control Systems and Their Components › 1.3 Understanding Security Threats and Risk Assessment in Access Control › 1.4 Implementing Effective Access Control Measures and Protocols › 1.5 Evaluating and Improving Access Control System Effectiveness • 2 Identification and Authentication Methods — 5 classes › 2.1 Understanding Identification and Authentication › 2.2 Exploring Biometric Identification Methods › 2.3 Implementing Password and PIN Protocols › 2.4 Evaluating Multi-Factor Authentication Techniques › 2.5 Applying Access Control in Real-world Scenarios	• 3 Implementation of Access Protocols and Procedures — 5 classes › 3.1 Understanding Access Control Protocols › 3.2 Identifying Security Clearances and Zones › 3.3 Implementing Entry and Exit Procedures › 3.4 Monitoring and Reporting Access Breaches › 3.5 Applying Access Protocols in Real Scenarios • 4 Response and Mitigation of Access Control Breaches — 5 classes › 4.1 Understanding Access Control Breaches: Causes and Risks › 4.2 Recognizing Signs of Security Breaches in Real-Time › 4.3 Implementing Immediate Response Actions to Access Control Breaches › 4.4 Applying Mitigation Strategies to Minimize Breach Impact › 4.5 Evaluating and Improving Access Control Protocols Post-Breach
2 Emergency Response Handling 4 chapters · 20 classes 65 marks	
• 1 Understanding Emergency Protocols and Procedures — 5 classes › 1.1 Recognizing Types of Airport Emergencies › 1.2 Understanding Emergency Communication Procedures › 1.3 Learning Airport Evacuation Protocols › 1.4 Implementing Crisis Response Plans › 1.5 Reviewing Post-Emergency Procedures • 2 Risk Assessment and Threat Analysis in Crisis Situations — 5 classes › 2.1 Understanding Risk Assessment Fundamentals › 2.2 Identifying and Categorizing Potential Threats › 2.3 Conducting a Comprehensive Threat Analysis › 2.4 Prioritizing Risks in Crisis Situations › 2.5 Implementing and Reviewing Mitigation Strategies	• 3 Coordination with Emergency Services and Stakeholders — 5 classes › 3.1 Understanding Roles: Identifying Key Emergency Services and Stakeholders › 3.2 Communication Protocols: Establishing Effective Channels with Emergency Services › 3.3 Coordinating Actions: Synchronizing Airport Emergency Procedures with Stakeholders › 3.4 Collaborative Planning: Developing Integrated Response Plans with Key Players › 3.5 Conducting Drills: Evaluating and Improving Coordination in Simulated Emergencies • 4 Dealing with Post-Emergency Scenarios and Recovery — 5 classes › 4.1 Understanding Post-Emergency Scenarios › 4.2 Analyzing the Impact of Emergencies › 4.3 Implementing Effective Recovery Plans › 4.4 Communicating During the Recovery Phase › 4.5 Evaluating Recovery Success and Continuous Improvement

3

Introduction to Airport Security

4 chapters · 20 classes

65 marks

• 1 Principles of Airport Security — 5 classes

- › 1.1 Understanding the Role of Airport Security
- › 1.2 Identifying Potential Threats and Risks
- › 1.3 Exploring Security Screening Techniques
- › 1.4 Implementing Access Control Measures
- › 1.5 Responding to Security Breaches Effectively

• 2 Threats and Risk Assessment in Airports — 5 classes

- › 2.1 Understanding the Basics of Airport Threats
- › 2.2 Identifying Potential Threats and Vulnerabilities
- › 2.3 Exploring Risk Assessment Methods in Airports
- › 2.4 Analyzing Case Studies of Airport Security Breaches
- › 2.5 Applying Threat and Risk Assessment Knowledge

• 3 Security Screening and Control Procedures — 5 classes

- › 3.1 Understanding Security Screening Equipment
- › 3.2 Identifying Prohibited Items and Threats
- › 3.3 Conducting Passenger Screening Procedures
- › 3.4 Implementing Baggage Control Protocols
- › 3.5 Responding to Security Alarms and Incidents

• 4 Crisis Management and Emergency Response in Airports — 5 classes

- › 4.1 Understanding the Basics of Airport Crisis Management
- › 4.2 Identifying Potential Emergencies in Airport Environments
- › 4.3 Exploring Emergency Response Protocols and Procedures
- › 4.4 Analyzing Case Studies of Past Airport Emergencies
- › 4.5 Developing a Personal Approach to Airport Crisis Management

4

Risk Assessment and Threat Management

4 chapters · 20 classes

90 marks

• 1 Understanding Risk in Airport Environments — 5 classes

- › 1.1 Identifying Risks in Airport Environments
- › 1.2 Analyzing Potential Threats and Vulnerabilities
- › 1.3 Evaluating the Impact of Security Risks
- › 1.4 Implementing Risk Mitigation Strategies
- › 1.5 Monitoring and Reviewing Risk Management Plans

• 2 Techniques for Analyzing Security Threats — 5 classes

- › 2.1 Understanding Security Threat Dynamics
- › 2.2 Identifying Potential Threat Sources
- › 2.3 Evaluating Vulnerabilities in Airport Security
- › 2.4 Applying Risk Assessment Models
- › 2.5 Developing Threat Mitigation Strategies

• 3 Developing and Implementing Risk Mitigation Strategies — 5 classes

- › 3.1 Understanding Risk Mitigation Fundamentals
- › 3.2 Identifying Potential Threats and Vulnerabilities
- › 3.3 Developing Effective Mitigation Strategies
- › 3.4 Implementing Risk Mitigation Plans
- › 3.5 Evaluating and Refining Mitigation Strategies

• 4 Evaluation and Continuous Improvement of Security Measures — 5 classes

- › 4.1 Identifying Key Components of Security Evaluation
- › 4.2 Analyzing Threat Data for Improved Security Measures
- › 4.3 Developing an Effective Risk Assessment Model
- › 4.4 Implementing Feedback for Continuous Security Improvement
- › 4.5 Applying Evaluation Techniques to Real-World Scenarios

5

Security Policies and Regulations

4 chapters · 20 classes

90 marks

• 1 Understanding International and National Aviation Security Frameworks — 5 classes

- › 1.1 Explore the Evolution of Aviation Security Legislation
- › 1.2 Understand International Aviation Security Conventions
- › 1.3 Analyze National Security Regulations and Policies
- › 1.4 Compare Key International and National Security Measures
- › 1.5 Apply Aviation Security Frameworks to Real-World Scenarios

• 2 Key Security Policies and their Implementation in Airports — 5 classes

- › 2.1 Understanding Airport Security Policies Framework
- › 2.2 Identifying Key Regulatory Bodies and Guidelines
- › 2.3 Analyzing Airport Access Control Procedures
- › 2.4 Implementing Baggage and Passenger Screening Standards
- › 2.5 Evaluating Incident Response and Reporting Protocols

• 3 The Role of Technology in Enhancing Airport Security — 5 classes

- › 3.1 Understanding Technology's Role in Airport Security
- › 3.2 Exploring Surveillance Systems in Airports
- › 3.3 Evaluating Biometric Identification Methods
- › 3.4 Analyzing Data Management for Security Efficiency
- › 3.5 Assessing the Impact of Innovation on Threat Detection

• 4 Compliance and Enforcement of Security Regulations — 5 classes

- › 4.1 Understanding the Basics of Security Regulations
- › 4.2 Identifying Key Compliance Requirements
- › 4.3 Assessing Risk and the Importance of Adherence
- › 4.4 Implementing Security Protocols Effectively
- › 4.5 Evaluating Compliance through Monitoring and Reporting

• 1 Evolution and Importance of Security Technologies in Airports —

5 classes

- › 1.1 Understanding the Foundations of Airport Security Technologies
- › 1.2 Exploring Key Innovations in Airport Security Systems
- › 1.3 Analyzing the Impact of Technological Advancements on Airport Security
- › 1.4 Evaluating the Role of Security Technologies in Risk Mitigation
- › 1.5 Applying Emerging Security Technologies in Real-World Airport Scenarios

• 2 Current Surveillance and Screening Technologies — 5 classes

- › 2.1 Understanding Airport Surveillance Systems
- › 2.2 Exploring Advanced Imaging Technology for Screening
- › 2.3 Analyzing Biometric Technologies in Security Operations
- › 2.4 Evaluating Automated Threat Detection Methods
- › 2.5 Applying Technology Integration to Enhance Security

• 3 Biometric and Identity Verification Innovations — 5 classes

- › 3.1 Understanding Biometrics: Basic Principles and Applications
- › 3.2 Exploring Identity Verification: Systems and Protocols
- › 3.3 Analyzing Current Biometric Technologies in Airports
- › 3.4 Evaluating the Security Benefits of Biometric Innovations
- › 3.5 Implementing Biometric Solutions: Challenges and Considerations

• 4 Challenges and Future Prospects of Airport Security**Technologies — 5 classes**

- › 4.1 Understanding Current Challenges in Airport Security
- › 4.2 Evaluating Technological Limitations: Gaps in Airport Security
- › 4.3 Analyzing Emerging Technologies in Security Operations
- › 4.4 Forecasting Innovations: The Future of Airport Security
- › 4.5 Strategizing for Enhanced Security: Integrating Future Technologies