
Postgraduate Certificate in Aviation Security Management

Aviation Intelligence and Analysis

****ACARS (Aircraft Communications Addressing and Reporting System)****

Related terms: Aircraft communication, VHF data link

ACARS is a digital data link system that allows aircraft and ground stations to exchange messages. It uses VHF radio frequencies for communication and is used for transmitting aircraft maintenance data, flight plans, and air traffic control instructions.

****ADS-B (Automatic Dependent Surveillance-Broadcast)****

Related terms: Surveillance, Air traffic control

ADS-B is a surveillance technology used in aviation that allows aircraft to determine their position via satellite navigation and broadcast it to other aircraft and air traffic control facilities. It improves situational awareness for both pilots and air traffic controllers.

****Air Defense Identification Zone (ADIZ)****

Related terms: Air defense, National security

An ADIZ is a designated airspace over land or water where the identification, location, and control of aircraft are required in the interest of national security. It is established to protect a country's territorial integrity by identifying and monitoring aircraft that may pose a threat.

****Aircraft Operator's Security Program (AOSP)****

Related terms: Aviation security, Security program

An AOSP is a security program required by the Transportation Security Administration (TSA) for all aircraft operators in the United States. It outlines the security measures that the operator will implement to protect passengers, crew members, and aircraft from terrorist attacks.

****Air Domain Awareness (ADA)****

Related terms: Aviation security, Surveillance

ADA is the ability to detect, track, and identify aircraft and other airborne objects in real-time. It is an essential component of aviation security, as it allows authorities to detect and respond to potential threats in a timely manner.

****Air Marshals****

Related terms: Aviation security, Law enforcement

Air Marshals are federal law enforcement officers responsible for providing security on commercial flights. They are trained to respond to in-flight threats and are armed with firearms and other security equipment.

****Air Rage****

Related terms: Aviation security, Passenger behavior

Air Rage is a term used to describe unruly or disruptive behavior by passengers on commercial flights. It can include physical or verbal abuse, threats, and other forms of aggressive behavior. Air Rage is a serious concern for aviation security, as it can pose a threat to the safety of passengers and crew members.

****Air Traffic Control (ATC)****

Related terms: Air traffic management, Navigation

ATC is a service provided by ground-based controllers who direct the movement of aircraft both on the ground and in the air. ATC is responsible for maintaining safe distances between aircraft, providing navigation assistance, and ensuring that aircraft follow established flight paths and altitudes.

****Air Traffic Flow Management (ATFM)****

Related terms: Air traffic management, Capacity management

ATFM is a process used to manage the flow of air traffic in order to maintain safe and efficient operations. It involves monitoring traffic volume, adjusting flight schedules, and implementing traffic management initiatives to prevent congestion and delays.

****Aviation Intelligence****

Related terms: Aviation security, Threat assessment

Aviation Intelligence is the collection, analysis, and dissemination of information relevant to aviation security. It includes the identification and assessment of potential threats, as well as the development of strategies to mitigate those threats.

****Aviation Security (AVSEC)****

Related terms: Air transportation, Passenger safety

AVSEC is the practice of protecting air transportation from acts of unlawful interference. It includes measures such as passenger and luggage screening, access control, and the use of security equipment and technology.

****Aviation Security International Advisory Committee (ASIAC)****

Related terms: Aviation security, International cooperation

ASIAC is a committee established by the International Civil Aviation Organization (ICAO) to provide advice and guidance on aviation security matters. It is composed of representatives from ICAO member states, international organizations, and the aviation industry.

****Biometric Identification****

Related terms: Passenger identification, Security screening

Biometric identification is the use of unique physical or behavioral characteristics, such as fingerprints, facial

recognition, or iris scans, to identify individuals. It is used in aviation security to verify the identity of passengers and crew members.

****Blast Mitigation****

Related terms: Explosive devices, Airport security

Blast mitigation is the practice of designing and constructing buildings, facilities, and infrastructure to withstand the effects of explosive devices. It is an important component of airport security, as it helps to protect passengers, crew members, and airport personnel from the effects of terrorist attacks.

****Checkpoint****

Related terms: Security screening, Passenger processing

A checkpoint is a location where passengers and their luggage are screened for security purposes. Checkpoints are typically located in airports, but may also be found in other secure facilities, such as government buildings or military installations.

****Civil Aviation Security Program (CASP)****

Related terms: Aviation security, Security program

A CASP is a security program required by the Transportation Security Administration (TSA) for all civil aviation operators in the United States. It outlines the security measures that the operator will implement to protect passengers, crew members, and aircraft from terrorist attacks.

****Common Strategy****

Related terms: Aviation security, International cooperation

A common strategy is a coordinated approach to aviation security that is agreed upon by multiple countries or organizations. It is designed to ensure consistent implementation of security measures and to facilitate information sharing and cooperation.

****Crew Member****

Related terms: Air transportation, Aviation security

A crew member is an individual who is responsible for operating an aircraft during flight. Crew members include pilots, flight attendants, and other personnel who perform safety-critical functions on board the aircraft.

****Cybersecurity****

Related terms: Information technology, Network security

Cybersecurity is the practice of protecting computer systems, networks, and data from unauthorized access, use, disclosure, disruption, modification, or destruction. It is an important component of aviation security, as it helps to protect against cyber threats that could impact the safety and security of air transportation.

****Data Link****

Related terms: Aircraft communication, Aviation security

A data link is a communication system that allows aircraft and ground stations to exchange information digitally. It is used in aviation security to transmit sensitive information, such as security alerts or instructions, between authorized parties.

****Denied Persons List****

Related terms: Passenger identification, Security screening

A Denied Persons List is a list of individuals who are prohibited from boarding an aircraft due to security reasons. It is maintained by aviation authorities and is used to prevent individuals who pose a threat to aviation security from traveling.

****Explosive Trace Detection (ETD)****

Related terms: Explosive devices, Security screening

ETD is a technology used to detect the presence of explosive residues on objects or individuals. It is used in aviation security to screen passengers, luggage, and cargo for explosive devices.

****Extended Detection Range (EDR)****

Related terms: Surveillance, Air traffic control

EDR is a surveillance technology used in air traffic control that allows controllers to detect and track aircraft at greater distances than traditional radar. It is used to improve situational awareness and to enhance safety in the air traffic control system.

****Foreign Object Debris (FOD)****

Related terms: Aircraft maintenance, Airport safety

FOD is any object that is not intended to be on an airport runway, taxiway, or other operational surface. It can include items such as rocks, tools, or debris, and can pose a hazard to aircraft during takeoff and landing.

****Hostile Intent****

Related terms: Aviation security, Threat assessment

Hostile intent is the intention of an individual or group to cause harm or damage to aviation assets or personnel. It is an important consideration in aviation security, as it helps to inform threat assessments and security measures.

****Human Factors****

Related terms: Aviation safety, Crew resource management

Human factors are the psychological, social, and physiological factors that influence human behavior and performance. They are an important consideration in aviation safety, as they can impact the decision-making, communication, and performance of pilots, crew members, and other aviation personnel.

****Incident Management System (IMS)****

Related terms: Emergency response, Crisis management

IMS is a systematic approach to managing incidents, emergencies, and crises. It is designed to ensure a coordinated and effective response to incidents, and to facilitate communication and collaboration between response agencies and organizations.

****Insider Threat****

Related