

ASIAS is a collaborative information sharing program for the aviation community. By proactively analyzing broad and extensive data sources, we can advance aviation safety initiatives and discover vulnerabilities in the national airspace system.

The primary objective of ASIAS is to provide a national resource for use in discovering common, systemic safety problems that span multiple aircraft operators, fleets and regions of the National Airspace System.

Safety information discovered through ASIAS activities is used across the aviation industry to drive improvements and support Safety Management Systems.

- ASIAS data is used solely for the advancement of aviation safety.
- ASIAS procedures and policies are established through collaborative governance supported by industry stakeholders.
- ASIAS leverages the Federal Aviation Administration (FAA) data, de-identified, proprietary aircraft operator safety data, and other government and publicly available data sources to proactively identify safety related vulnerabilities and trends.

ASIAS SUPPORTS THE ADVANCEMENT OF SAFETY INITIATIVES THROUGH PROACTIVE ANALYSIS OF MULTIPLE DATA SOURCES AND THE DISCOVERY OF VULNERABILITIES IN THE NATIONAL AIRSPACE SYSTEM.

INTERESTED IN JOINING ASIAS? Contact an Iat Leader:

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AVIATION SAFETY INFORMATION ANALYSIS & SHARING







ASIAS serves as a central conduit for the exchange of safety information among its stakeholders, providing a valuable resource for the aviation community. The ASIAS vision is focused on the establishment of a comprehensive network of safety information sources shared by stakeholders supporting the National Airspace System, in the making it the largest capability of its kind in the world.



ASIAS INDUSTRY COLLABORATION

The ASIAS procedures, operations and analysis activities are governed by the ASIAS Executive Board (AEB). The AEB has representation from aircraft operators, labor groups, manufacturers and government agencies, including FAA aviation safety and air traffic operations. Industry collaboration includes a balance of interests of all ASIAS stakeholders as well as the sharing of safety information and analytical capabilities. It is the goal of ASIAS to provide a reliable source of information to the aviation community that will be used to impact safety decisions and reduce the risk of accidents.

- The collaborative and voluntary sharing of data by aviation industry operators and government.
- The continuous identification, monitoring, and assessment of potential safety hazards.
- Sharing of identified systemic risks, monitoring of safety related trends and support for mitigations across the industry.

ASIAS COMPONENTS

- Safety and operational data aircraft operator and air traffic control data, including Flight Operations Quality Assurance (FOQA), Aviation Safety Action Program (ASAP), and Air Traffic Safety Action Program (ATSAP) data.
- Analytic, data fusion, and visualization processes.
- Automated and directed analysis of ASIAS data sources.
- Collaboration and sharing of information with the aviation community.

ASIAS STUDIES

- **Studies:** In-depth assessments of special topics of interest as authorized by the AEB.
- **Safety Metrics:** Identification and monitoring of safety hazards to assess the effectiveness of changes endorsed by industry and government stakeholders.
- Industry Benchmarking: Development of industry metrics applied to proprietary aircraft operator data enabling operators to compare their performance to established industry standards (Commerical only).
- Vulnerability Discovery: Identification and assessment of previously unknown issues or accident precursors, followed by contributing factor analyses to characterize a potential safety hazard.





ASIAS ARCHITECTURE

The ASIAS architecture has been developed to provide safeguards that protect proprietary, sensitive safety data, including automated de-identification, encryption processes and restricted use access.



ASIAS DATA SOURCES

ASIAS has access to extensive aviation data archives, including proprietary operator data and Air Traffic Control operational data.



ASIAS ANALYTIC CAPABILITIES

ASIAS studies include the assessment of known events as directed by the AEB, as well as the discovery of potential vulnerabilities through the continuous monitoring of industry and governmentprovided data.



ASIAS INFORMATION SHARING

ASIAS supports the Commercial Aviation Safety Team (CAST), General Aviation Joint Safety Committee (GAJSC), and United States Helicopter Safety Team (USHST) in the assessment of Safety Enhancements, provides quarterly benchmark reports to participating commercial operator stakeholders.

ASIAS IS GOVERNED BY FORMAL PRINCIPLES

