



Fact Sheet

IATA Safety Audit and Assessment Programs

IATA Operational Safety Audit (IOSA)

The IATA Operational Safety Audit (IOSA) program is an internationally recognized and accepted evaluation system designed to assess the operational management and control systems of an airline. All IATA members are IOSA registered and must remain registered to maintain their IATA membership.

- IOSA is a global industry standard for airline operational safety auditing.
- It contributes to improving safety performance and reduces the number of redundant audits performed.
- IOSA is a condition for IATA membership.
- IATA continually develops the IOSA Standards and Recommended Practices (ISARPs), is the custodian of the IOSA Audit Reports and manages the IOSA Registry.
- The IOSA program has been developed in cooperation with regulatory bodies including Australia's Civil Aviation Safety Authority (CASA), European Union Aviation Safety Agency (EASA), US Federal Aviation Administration (FAA) and Transport Canada.
- IATA promotes the use of IOSA in national safety oversight programs.
- The 35th and 38th ICAO Assemblies recognized the IOSA program for its global safety benefit.
- The following aviation regulatory authorities use IOSA in their safety oversight programs. For example:
 - The FAA uses IOSA in the approval process of non-US codeshare operators.
 - IOSA is used by the EASA (spanning 28 EU Member States) in the Third Country Operator Authorization process. IOSA is an acceptable means of complying with third country codeshare safety monitoring and for risk-based regulatory safety oversight.
 - The Civil Aviation Administration of China (CAAC) embedded IOSA in the Advisory Circular for codeshare safety audits of non-Chinese codeshare operators.
 - Since the beginning of 2018, IATA has signed Memorandum of Understandings (MoUs) with the following civil aviation authorities: Argentina, Australia, Brazil, China, Egypt, Estonia, Finland, Georgia, Germany, Hong Kong SAR, Jordan, Kuwait, Macao SAR, Moldova, Mongolia, Mozambique, Netherlands, Lebanon, Poland, Rwanda, Spain, Singapore and Thailand. The number of MoUs continues to increase.
- As of 31 October 2023, 101 of the 417 airlines on the IOSA Registry are non-IATA member airlines.
- Since 2003, over 4,000 IOSA audits have been completed and over 15,000 IOSA audit report requests have been made.
- For 2022 the all-accident rate for airlines on the IOSA Registry was four times better than the rate for non-IOSA airlines of (0.70 vs 2.82 accidents per million sectors flown).
- The IOSA Program is ISO 9001:2015 certified.

Introduction of a Risk-based Approach

As industry safety levels improve, future reductions in the accident rate will increasingly rely on an adaptive, risk and data-driven approach to identify potential areas of concern before they rise to the level of risk. Concurrently, in order to be germane to safety improvements, airlines need IOSA to align with the specific risks of their operations.

- Through the introduction of a [risk-based approach](#), audit scopes are tailored to each operator's risk profile and include a maturity assessment. This will increase the effectiveness of the audit and contribute to the overall industry goal of reducing the accident rate.
- Audit scoping is based on a combination of data-driven, selected industry standards and operator specific elements like operational profile, operator specific-events and operator IOSA audit history.
- The IOSA Maturity Model establishes a degree of how advanced and effective an operator's safety relevant systems and programs are in terms of maturity.
- The process will be supported through a more mature IT solution that will allow the airline to provide information relevant to the risk-based audit.
- This risk-based approach will be supported by the IATA Global Safety Risk Management Framework.
- In 2022, the Risk-based IOSA was launched and successfully concluded six trial audits (more details below).
- Through 31 October 2023, 17 risk-based audits have been conducted.
- The transition to the risk-based approach is expected to take three years and be completed by the end of 2025.

IATA Standard Safety Assessment (ISSA)

ISSA is an evaluation program created primarily for airlines that operate aircraft which have a maximum take-off weight (MTOW) below 5,700 kg. Assessment standards are derived directly from IOSA Standards and Recommended Practices, including elements of the ICAO Safety Management System (SMS). ISSA assessments are performed by IATA accredited Audit Organizations.

With the risk-based approach, an ISSA registered operator benefits from:

- A global safety standard for commercial operators not covered by existing programs
- Measuring operator's conformity with relevant ICAO requirements
- Gradual implementation of Safety Management System (SMS) elements
- Access to the online ISSA Registry upon successful completion of the assessment
- Improved marketing and commercial advantages for operators
- ISSA Standards Manual meets all ICAO SMS related requirements.

As of 31 October 2023, 14 airlines were in the ISSA Registry and 5 new airlines planned to receive their ISSA assessments in December 2023. IATA offers "ISSA Implementation Training" which assists airlines on their preparation for ISSA assessments and guides them to conduct their internal gap analysis against the ISSA Standards and Recommended Practices.

ISSA Standards are continually reviewed and updated in accordance with industry needs and ICAO provisions. Relevant Recommended Practices will be progressively upgraded to standards.

- In October 2023, the ISSA Standards were extended to non-commercial operators who are now eligible to undergo the assessment.

IATA Safety Audit for Ground Operations (ISAGO)

- ISAGO is an industry program for the global oversight of ground handling service providers (GHSPs). ISAGO drives an implementation of standardized operational procedures and management system requirements by GHSPs, thereby increasing the adoption of harmonized industry best practice. ISAGO contributes to better GHSPs' performance and risk reduction in ground operations. Cost savings may be achieved for both airlines and GHSPs by the use of a single ISAGO audit as it decreases the large number of duplicate airline audits of a GHSP.
- IATA is the custodian of all ISAGO Audit Reports and manages the ISAGO Registry, the online portal for all ISAGO information and status details.
- ISAGO provides airlines with assurance that the GHSP conforms to industry operational best practices and that they have a robust and sound management system in place with the same elements as IOSA airlines including Safety Management System (SMS) compliance with ICAO Annex 19.
- ISAGO provides airlines with complementary information and a solution to strengthen and simplify their oversight programs including an opportunity for cost reduction.
- The ISAGO audits are carried out by highly trained and experienced auditors, members of the Charter of Professional Auditors (CoPA). The recruitment, training, and qualification of the auditors is managed entirely by IATA.
- ISAGO is run on a cost recovery basis. The GHSPs pay the cost of the audits and airlines subscribe to receive access to the ISAGO Registry and the Audit Reports.
- ISAGO offers an alternative to states that wish to strengthen their oversight of GHSPs. Additionally, the program provides a solution (in the form of AMC-Acceptable Means of Compliance) to those states that already regulate ground operations.
- More and more civil aviation authorities (CAAs) and international airports see the benefits of ISAGO and mandate ISAGO registration for GHSPs in their respective areas of regulatory oversight of ground operations or in licensing to operate at the airport. The ISAGO standards are aligned fully with the associated ground handling service provider provisions specified in the ICAO Doc 10121, *Manual on Ground Handling*. IATA participates in the work of the ICAO Ground Handling Task Force (GHTF) that developed the Manual and future global regulations. IATA also participates in the work of EASA, whose remit has been extended to include ground handling.

Achievements Update

- Performed over 3000 audits worldwide since 2008. An average of 270 audits is performed each year with an average of 14 findings per report. ISAGO Registry offers close to 500 different Audit Reports to member airlines. At present, [124 airlines](#) are benefiting from access to the ISAGO audit reports.
- As of 31 October 2023, there were 200 GHSPs in the ISAGO Registry providing services at 341 accredited stations at 213 airports worldwide. In 2022, 255 audits were completed and close to 320 audits are anticipated in 2023.
- In 2022, Memorandums of Understanding (MoU) or similar ISAGO cooperation/recognition documents were signed with 11 different entities, including the National Aviation Authority of Latvia, Togo, Eastern Caribbean, Italian ENAC, and Copenhagen, Heathrow, Montego Bay, Venice, Airport Authority Hong Kong and Spain's AENA, to name a few. This brings the total to 40 different organizations that recognize the value of the program for the industry.

IATA Global Aviation Data Management (GADM) Industry Data Sharing Programs

Data is at the core of how the airline industry operates. The use of data drives efficient, interoperable business processes, while the controlled exchange of data permits airlines to assess and enhance their safety performance, proactively identify the risks, anticipate operational challenges and implement disruption management programs.

IATA, through the Global Aviation Data Management (GADM) programs – Flight Data Exchange (FDX) and Incident Data Exchange (IDX) offers an opportunity to collaborate on extracting valuable and timely insights to support and inform aviation safety and operations decisions.

The participation in the GADM data sharing programs complements our Safety Audit and Assessment programs for systemic safety risks and issues identification, reporting, measurement, and monitoring.

Today, GADM Programs account for 252 airlines out of which 174 are IOSA registered: 133 IOSA members in FDX and 165 in IDX Programs respectively. (124 IOSA members participate in both IDX and FDX). Additionally, 30 ground service providers participate in GADM programs.

IOSA and ISAGO stakeholders are encouraged to join the GADM Programs.