

IATA Safety Priorities



IATA

SAFETY ISSUE

HUB



OAC Priorities

Aviation Supply Chain

GNSS Interference

ISAGO and IGOM

Risk-based IOSA

Workforce Resilience

SG Priorities



Accident investigation Reports



Use of AI for Safety Data and related predictive technology risks and issues



Controlled Flight into Terrain: GPWS Database and GNSS events



Traffic Collision and Avoidance / Mid-Air Collision



Dangerous goods handling (Lithium batteries and ESD/Power Banks)



Runway Safety + Tail Strikes



Loss of Control



Ground Safety

115

Safety Issue
Identified



44

New Issues
added in 2025



200+

Guidance
Docs Available



Safety Issue Hub



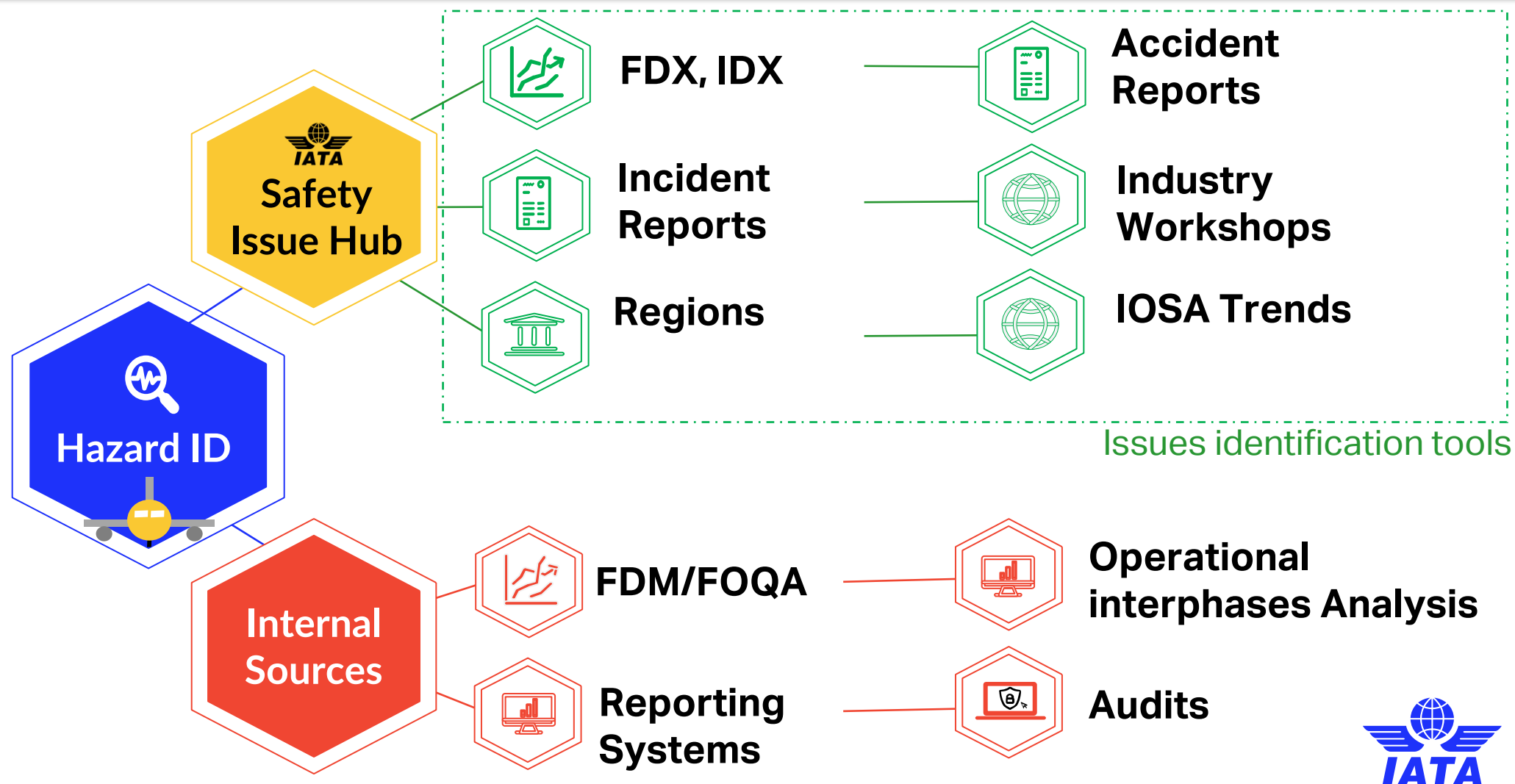
The IATA Safety Issue Hub is a self-service digital platform of safety issues to:

- Support our members' Safety Management Systems
- Provide input to IOSA's risk based approach
- Inform our members' safety risk assessments
- https://ic.iata.org/sih_public

14 August 2025



Provide and Maintain a one-stop shop for aviation safety issues to support IATA members and the wider industry.



HOW ?

Global Risk Picture



RWY incursion



Tail strikes



TO Perf calcs



Unstable App



GNSS RFI



Bird Strikes



Li-B Cargo

Regional Risk Picture

NAM/LATAM

- 5G Interference
- Aircraft Ground Damage
- Loading Error
- Altimeter setting error (VNAV approaches)

EUR

- Integration of RPAS into airspace
- Operating in the vicinity of conflict zones
- Altimeter setting error (VNAV approaches)

CIS

- Operating Ageing Aircraft
- Aircraft component shortages

NASIA

- Pilot - ATCO communication (language issues native/non-native speakers)
- Civil / military traffic co-ordination at the same aerodrome

MENA

- Operating in the vicinity of conflict zones
- Large Height Deviations

AFI

- ATM/CNS Infrastructure
- Immature state surveillance
- Large Height Deviations
- RFFS Provision
- Wildlife Management

ASPAC

- Severe Weather Events
- Traffic Growth

Loss of Control – Safety Risk Assessment

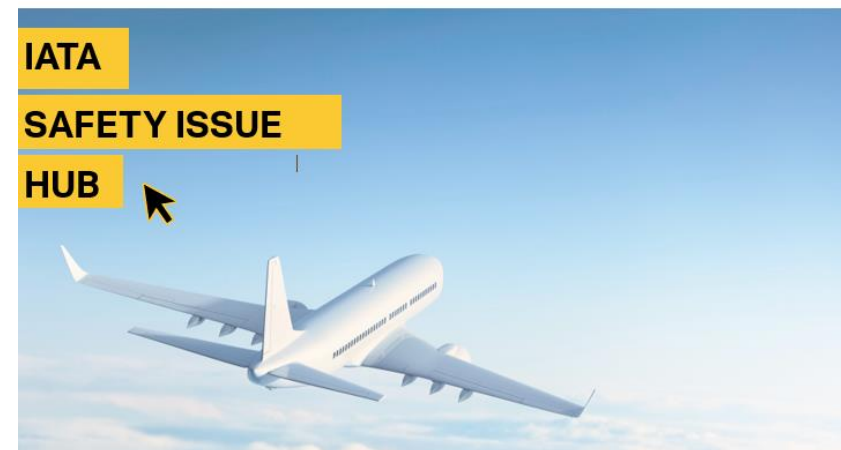
Environmental Conditions

- ❖ Generic risk assessment for Loss of Control using a bow tie risk model
- ❖ The main threats and associated mitigations are highlighted for:
 - ❖ Turbulence,
 - ❖ Icing
 - ❖ Thunderstorms,
 - ❖ Volcanic Ash
- ❖ 13 Recommendations to strengthen risk four mitigations:
 - ❖ Fully exploiting (advanced) airborne weather radar functionality
 - ❖ Flight planning / provision of meteorological information to flight crew
 - ❖ Upset Prevention and Recovery Training (UPRT)
 - ❖ Use of CBTA/EBT for training



Loss of Control - Environmental Conditions Safety Risk Assessment

Version 1.0 November 24



Runway Incursion

Safety Risk Assessment - Bow Tie Model

- ❖ IATA has produced a generic risk assessment for runway incursion, using a bow tie model, to support your own SMS.
- ❖ The main threats and associated mitigations are highlighted, in addition to several recommendations.
- ❖ The bow tie model is available to download separately in MS Visio (vsd), BowTie XP (btf) and MS Excel (xlsx) formats.
- ❖ IATA has published a complementary GAPPRI Gap Analysis Tool.



Runway Incursion Safety Risk Assessment

Version 1.0 July 2024



Runway Excursion– Safety Risk Assessment

Safety Risk Assessment - Bow Tie Model



❖ Generic risk assessment for Runway Excursion using a bow tie risk model

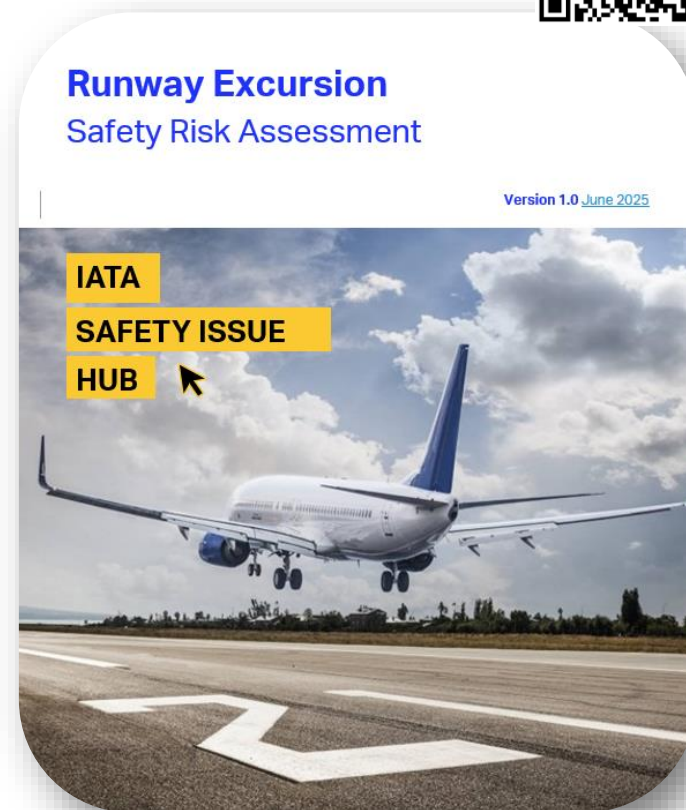
- ❖ RWY RE Overrun
- ❖ RWY RE Veer Off

❖ The main threats and associated mitigations are highlighted for:

- ❖ **Unstable Approach** | High speed-V/S -A/C Configuration & Path Management - Long/Deep Landing
- ❖ **Performance Calcs** | Incorrect- Not Longer Valid,
- ❖ **Runway Contamination** | Poor braking action
- ❖ **Wind Conditions** | Tail-Cross-Gusty Winds
- ❖ **Aircraft malfunctions affecting controllability** | Asymmetric Reverse Thrust, Tyre failure, autobrakes.
- ❖ **Loss of Visual Reference** for Landing/Take-off
- ❖ **Aircraft Handling** | Reverse Thrust Asymmetry

❖ 8 AOCs Risk Management Recommendations to strengthen the right risk controls:

❖ 4 IOSA program recommendations to evolve some ISARPS related to RE controls.



IATA work on Emergency Response

- ERPTF
- IOSA ISARPS on ERP
- Future Revision to IOSA ISM
- IATA Emergency Response Best Practices Handbook
- Family Assistance
- State Responsibility in case of Accidents



[Link WSOC](#)



Thank you.
Questions?

14 August 2025

