IATA
Safety Risk Management Framework

Shane Ngai
Senior Manager Safety

Cycle for Continuous Improvement

Feeding into RBI

SRA identifies key risk controls

Link to ISARPs

Worldwide + Regional Risk Pictures

Auditor pack / briefing

Risk Based Audit

SMS Maturity Assessment

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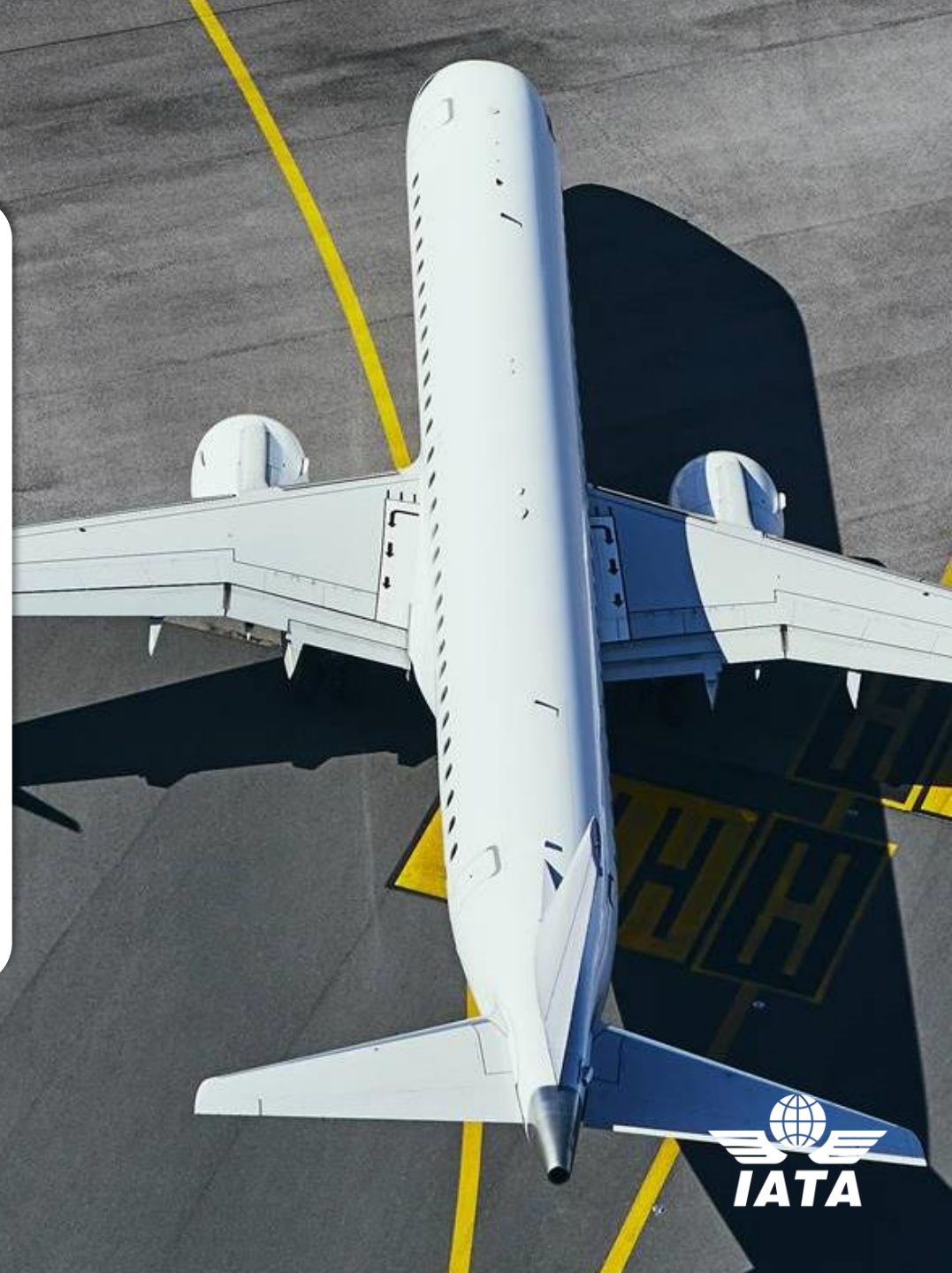
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The Safety Issue Hub

Supports the delivery of IATA's Safety Strategy. The Hub aims is an internationally recognized repository of aviation hazards and safety risks

01
Central repository

Guidance material, and generic risk assessments (Bow tie) that support airlines' own risk assessments
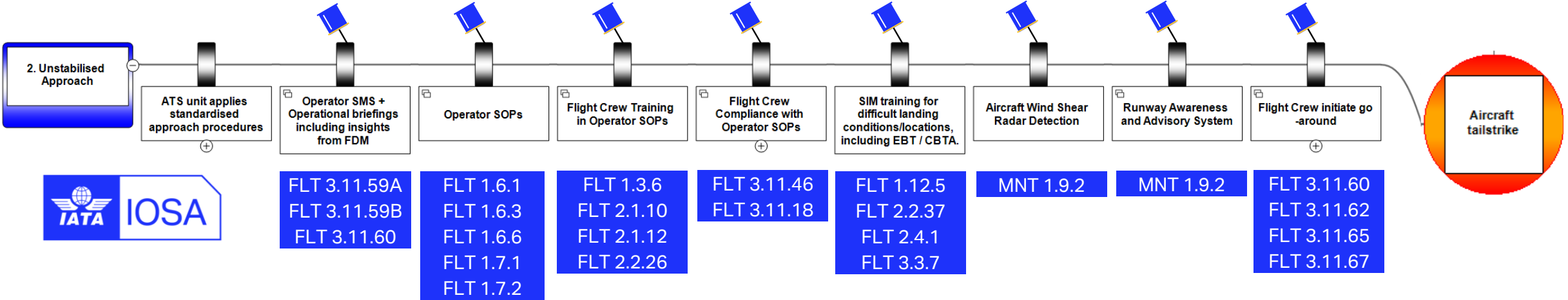
02
Support Mitigation

Targeted safety improvement programs delivered by IATA to support the mitigation of safety risks

03
Risk based IOSA

IATA's Operational Safety Audits enhanced with regional and sector risk pictures and ISARP prioritization
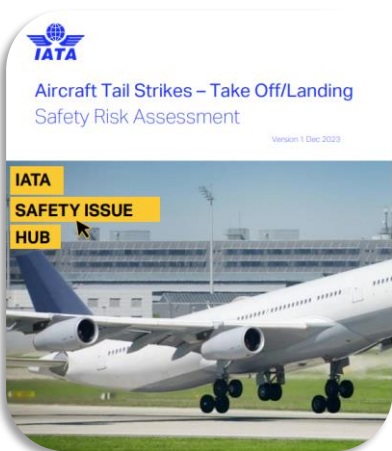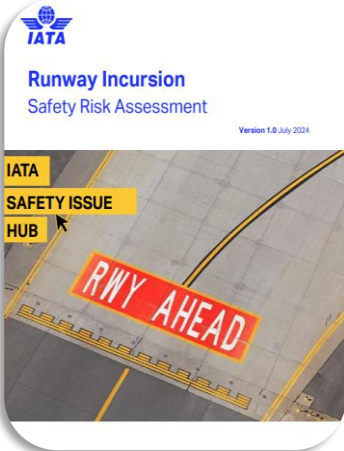
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Safety Risk Assessment

Global Risk Picture

RWY incursion

Tail strikes

TO Perf calcs

Unstable App

GNSS RFI

Bird Strikes

Li-B Cargo

HOW ?

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Regional Risk Picture

CIS
- Operating Ageing Aircraft
- Aircraft component shortages

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

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

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

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
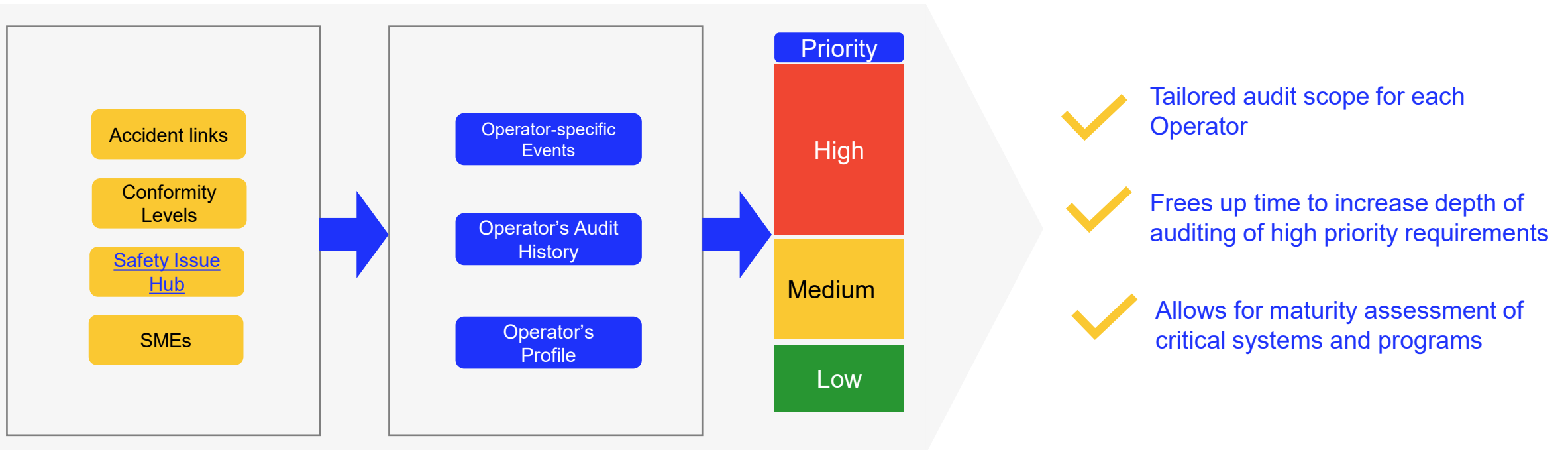- Traffic Growth

HOW ?

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Risk-based Scoping

Audit scope is be reduced to critical standards, freeing up valuable auditing time

Industry Standards prioritization

Operator Audit Scoping

| Accident links |
| Conformity Levels |
| Safety Issue Hub |
| SMEs |

| Operator-specific Events |
| Operator's Audit History |
| Operator's Profile |

Priority

High

Medium

Low

✓ Tailored audit scope for each Operator

✓ Frees up time to increase depth of auditing of high priority requirements

✓ Allows for maturity assessment of critical systems and programs

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Maturity Assessment

Maturity assessment introduces deeper and more complete way of providing airline with an evaluation of its relevant safety systems and programs

- ✓ Assessment beyond conformity through maturity levels
- ✓ Deeper assessment of SMS and operational activities
- ✓ Recommendations for operators

Maturity Assessment of following areas

SMS

Operating Safety Maturity (FDA, Flight Crew Training, FRMS)

Cycle for Continuous Improvement

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- SRA identifies key risk controls
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- Risk Based Audit
- SMS Maturity Assessment

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IATA Connect

Integrates the IATA safety issue hub to obtain and share best practices on risk mitigation strategies

Access, share, and manage the IOSA registry and audit reports and all documentation.

Expands IATA Safety Connect capabilities for building an aviation safety community

Thank You

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