



Safety Information Monitoring System

Presented at: SEIG/3 Virtual Meeting, MID Region

Presented by:

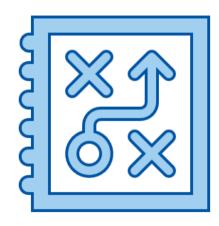
Ruviana Zimmerman, Associate Analysis Officer, ICAO HQ





Common data related challenges within CAAs

- No standardization for reporting
- Data quality (missing data, incorrect type)
- Lack of automation
- Data storage capacities
- What to do with the collected data
- Limited resources







How can we process, and analyze the collected data when resources are limited?





















Who can connect to SIMS

ICAO Member State

Service Providers

Air operators

Air traffic services (ATS) providers Operators of certified aerodromes

Approved maintenance organizations

Approved Training Organizations

Type design or manufacture of aircraft, engines or propellers





Who can contribute to SIMS

ICAO Member State

Service Providers

External parties



SIMS data processing





SIMS Applications











More about the applications

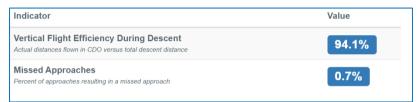


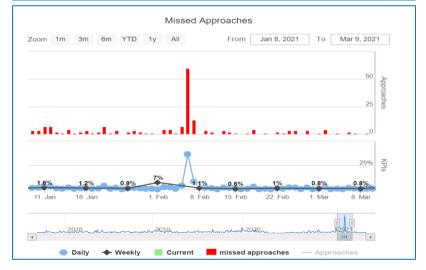




Approach Monitoring

- Identify vertical flight efficiency with a focus on continuous descent operations during the decent phase and measure missed approaches on approach phase for airports.
- State and service provider access
- ADS-B data as source







(Foreign) Ramp Inspections





Regional Aviation Safety Groups

Welcome to the Ramp Inspections Sharing Project. Click here to access.

The ramp inspections sharing application allows for ICAO Member States participating in SIMS to monitor and share ramp inspection data on this secured platform within their respective Regional Aviation Safety Groups (RASGs) in support of Safety Management.



Ramp Inspections Steering Committee

FAA & EASA

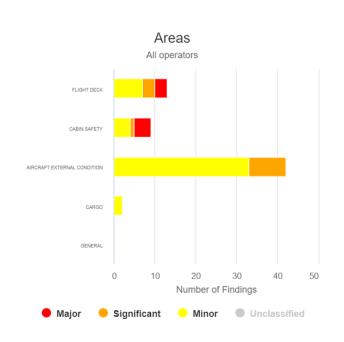


Brazil, Israel, Japan, Saudi-Arabia, Singapore, Togo



Ramp Inspections Sharing Project

- Monitor foreign ramp inspections within own RASG region
- Insights on own operators
- Indicators to monitor performance
- Risk-based surveillance approach
- Increase collaboration among States cross region
- Regional and global app
- Access only to ICAO Member State





Who sees what



Aircrafts inspected by RASG-MID participating States

Add inspection option

MID Region Aircrafts inspected within and outside of the region

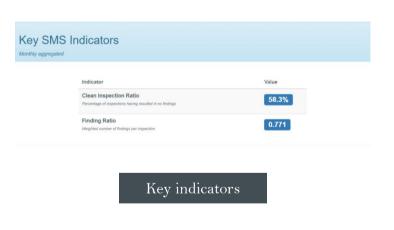
Aircraft inspected by APAC States on APAC operators

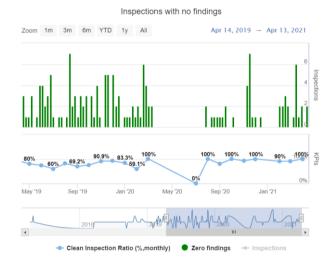


Standardized form



Data input and output

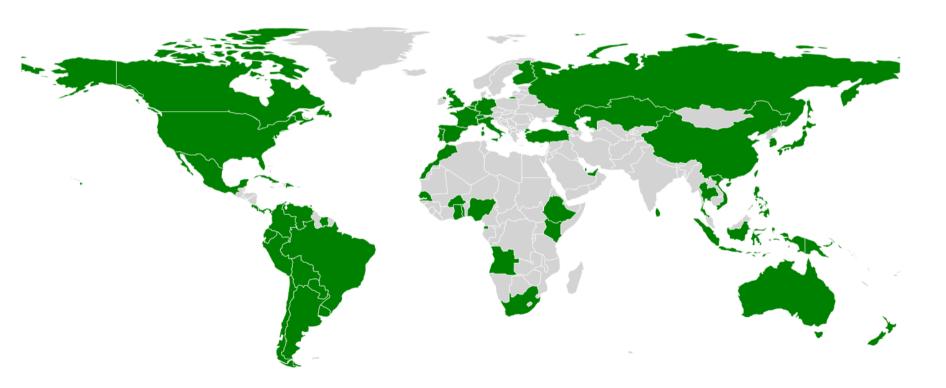




Interactive charts

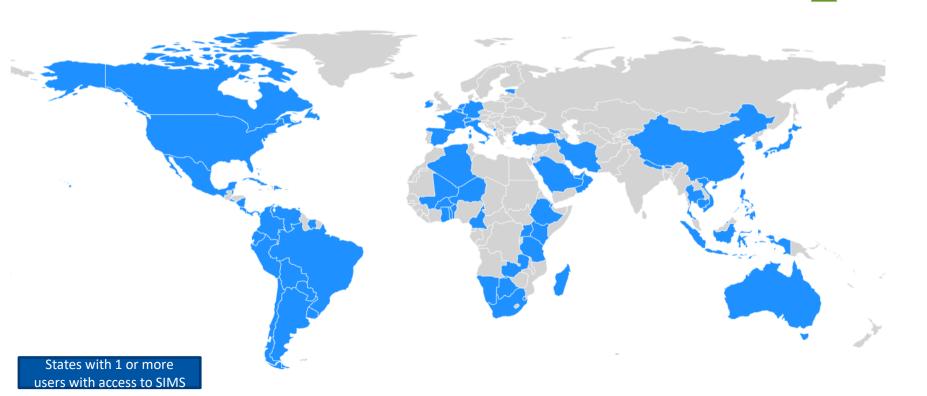


SIMS all RI States











Main steps to join SIMS





Conclusion



Supports
the identification of
hazards and risks



Allows monitoring of safety performance



Resolves
need for in-house
analytics technology



Facilitates
data-driven
decision making





Thank you!
Contact sims@icao.int





Thank You