

Today's unreported occurrences may
become tomorrow's incidents

Take action now!



Aviation Safety Risk Assessment

An Integrated Risk
Management
Facility By



www.aphrodite-mgmt.com

Safety Management System & Flight Data Monitoring

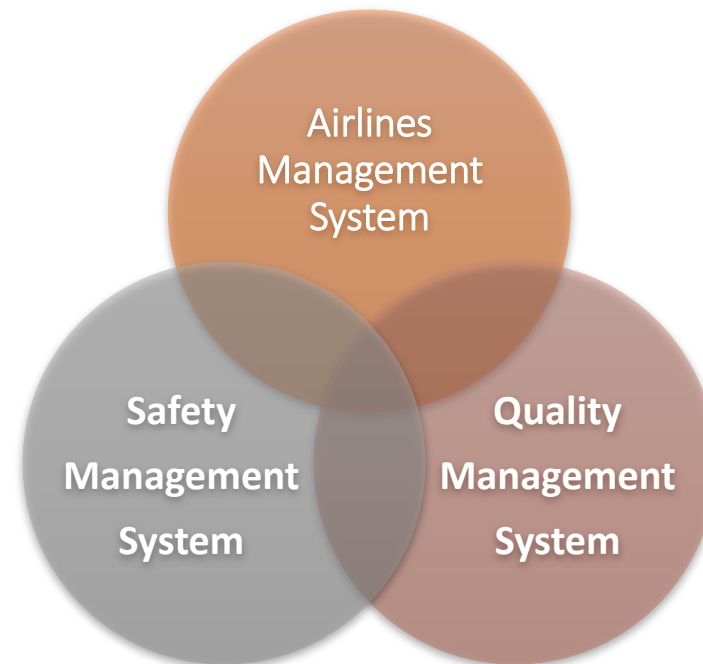


The International Civil Aviation Organization (ICAO) has mandated all contracting member states to urge their operators to implement a Safety Management System.

FDM is specified as a requirement in Annex 6 of the ICAO Convention on International Civil Aviation for aircraft over 27 tones.

It is recommended for aircraft over 20 tones.

This requirement was taken further by Europe through the JAR-OPS 1.037



JAR-OPS 1.037

Accident prevention and flight safety programme



- ▶ Maintain Risk Awareness
- ▶ Occurrence Reporting
- ▶ Identify Adverse Trends
- ▶ Evaluate Relevant Information
- ▶ Flight Data Monitoring
- ▶ Accountable FDM Programme Manager
- ▶ Proposals for Corrective Actions
- ▶ Quality Assurance Manager to monitor the effectiveness of changes resulting from the Corrective Action



What is ASRA?

ASRA stands for Aviation Safety Risk Assessment, it's an advanced dynamic facility which provides a comprehensive END TO END risk management and quality assurance solutions to airlines.

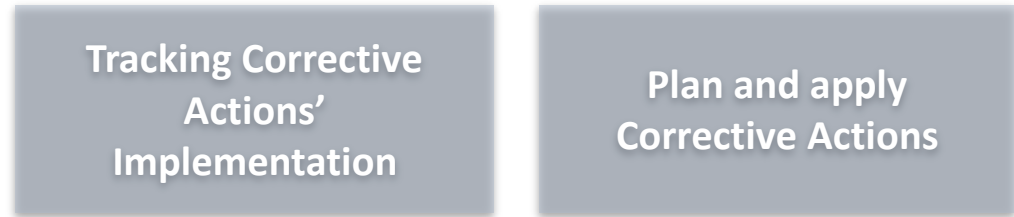
For Whom?

For Airlines with Aircraft above 20 Tons. However all Aircraft operators who cares about the safety of their operation should implement the program.

ASRA's Process

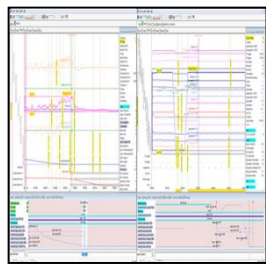


ASRA's Process

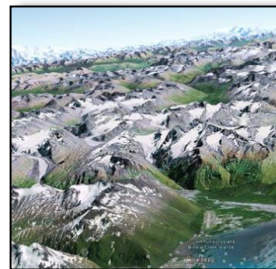


ASRA's deliverables

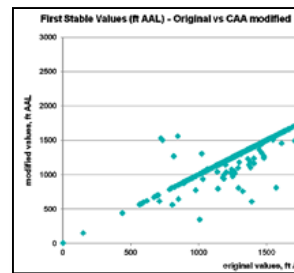
Targeted reports to each and every involved department



Deviation Report



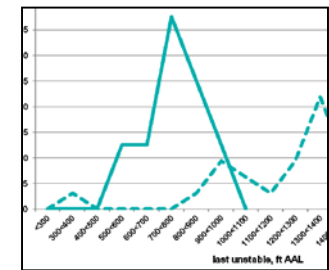
Google Earth Trajectory



Safety Campaign



3D Animation



Routine Reporting

ASRA - Deliverables



- ▶ Event Detection and Measurement
- ▶ Deviation & Exceedance Reports
- ▶ Safety Campaigning
- ▶ 3-D Animations
- ▶ Routine Reporting
- ▶ Other applications beyond FDM including: Engineering Studies, Trend Monitoring, Navigational Analysis, Fuel Optimization.

How ASRA works ?



ASRA brings the most advanced technologies available in the market and a highly experienced team to come up with one integrated solution which is highly capable to take raw flight data into the following stages:



ASRA Service capabilities



- ▶ Monitor results 24/7 from any internet connection
- ▶ No resident flight data expertise required
- ▶ Identifies operational and maintenance events
- ▶ Access to dedicated team of flight data analysts
- ▶ Access to investigation specialists
- ▶ Interactive 3-D flight animation of complex events
- ▶ Track safety action taken
- ▶ Ability to share results through the central service
- ▶ Service uses the same technology used by air safety investigators
- ▶ Analysts validate events and conduct custom analysis
- ▶ High volume, high IT demands, event detection, reporting and maintenance of parameter data maps outsourced
- ▶ Restricted confidentiality procedures regarding circulation of information

ASRA Return on investment



ASRA reduces risks and cuts costs:

- ▶ Risk assess safety and quality information, standardize on best practice and improve operational efficiencies.
- ▶ Maintain full ownership and access to your flight data without the infrastructure costs typically associated with housing an internal FOQA/FDM program.
- ▶ Up to 1.5% savings of total recurring yearly fuel budget
- ▶ Save on insurance costs by deploying a recognized integrated safety management tool.
- ▶ Reduce damage and operational disruptions from turn-back, go-around(s) or diversions.
- ▶ Pay as you fly (per aircraft per month)
- ▶ Save manpower for your company
- ▶ Provide your Flight Data for research projects and get money back

Thank You



For more information about ASRA
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