Today's unreported occurrences may become tomorrow's incidents

Take action now!

ASRA

Aviation Safety Risk Assessment

An Integrated Risk Management Facility By

APHRODITE

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

ASRA® - Introduction

What is ASRA?

ASRA stands for Aviation Safety Risk Assessment, it's an advanced dynamic facility that 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 care about the safety of their operation should implement the program.

ASRA and FDM

The Airlines can choose to join in the ASRA program and bundle it with their own FDM, or go with the ASRA program bundled with our FDM service provider.

The Standard Process

FDM + ASRA Process

Flight raw data routine download

Transfer raw data via a secure internet connection to ASRA

Applicable Policies & procedures

FDM system analysis raw flight data into useful information

ASRA® Program

3% FDM Events

Airline Flight Safety

Based on FDM output reports provided by the Airline

- ✓ Analyze events
- ✓ Provide recommendation reports
- ✓ Report possible root causes

Validation and evaluation by ASRA's Team

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Advanced FDM Process

Tracking Corrective Actions' Implementation

Plan and apply Corrective Actions

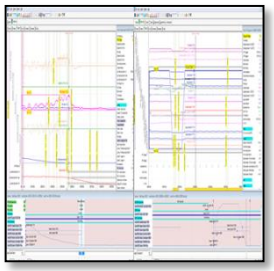
Flight Safety

Technical Department

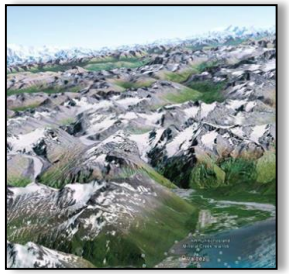
Quality Assurance

Targeted reports to each and every involved department

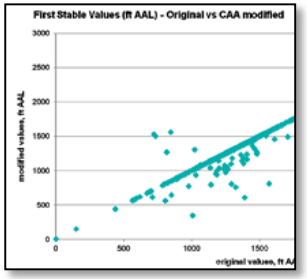
Advanced FDM deliverables



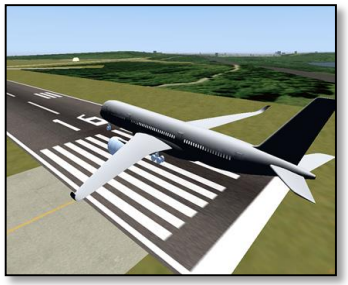
Deviation Report



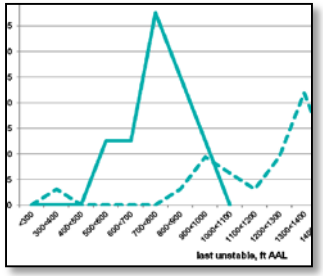
Google Earth Trajectory



Safety Campaign



3D Animation



Routine Reporting

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ASRA - Deliverables

Work with each contracted Airline through several visits per annum in addition to other ongoing communication by emails to ensure that ASRA program is provided which entails the following:

- Assisting the airline setting up its FDM as per ICAO requirement and is non-punitive.
- Assisting the Airline setting up its post FDM analysis department
- Assist the Airline setting up its safety department.
- Provide on-going assistance regarding FDM reports
- Do not interfere with the corrective action but provide assistance in monitoring post corrective action ongoing monitoring.
- Assist Airline to ensure that Safety Department is in continuity established, well maintained and manned by Qualified Personnel such as Safety Manager, Deputy, Chief Safety Investigator and Safety Coordinator, Gatekeeper, FDM Analyst and Safety Analyst
- Assist Airline to ensure the provision of SRB (Safety Review Board) i.e. bi-annually or else
- Assist Airline to ensure the provision of SMSEC.
- Assist Airline to ensure the provision of SAG (Safety Action Group) whenever necessary.

ASRA works with any FDM Platform?

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:

FDM 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.
- Save manpower for your company

Thank You

For more information about ASRA
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