EOFDM – European Operators
Flight Data Monitoring
Flight Data Monitoring (FDM) means the proactive and non-punitive use of digital flight data from routine operations to improve aviation safety. (1)

(1) Regulation (EU) 965/2012 on air operations
EOFDM Framework

EOFDM

EASA

Industry

EOFDM
EOFDM Framework

Members

- EASA
- Operators
- Flight Crew Associations
- Aircraft Manufacturers
- FDM Software Vendors
- Research and Educational Institutions
- NAAs and International Aviation Regulators
All members are volunteers

Work directed to the common benefit of:

1) Facilitate the implementation of FDM by Operators

2) Help Operators to draw maximum safety benefits
EOFDM Organisation

Steering Group

Working Group A
Working Group B
Working Group C
Identify precursors of operational safety issues applicable to FDM

- Review existing safety analysis studies
- Identify precursors of operational risks
- Model operational risks and identify main scenario / safety defences
- Deliver recommendations to WGB for the implementation of adapted FDM systems
EOFDM Organisation

Programming and equipment related aspects

- Define and test FDM events for monitoring operational issues
- Identify useful techniques to investigate flight data
- Define flight parameters and their characteristics
- Investigate recorder related issues
- Provide solutions to monitor flight precursors through FDM
- Explore Solutions to merge Flight Data with other sources
EOFDM Organisation

Integration of the FDM programme into operator’s processes

- Compile best practice intelligence and Integration of FDM into SMS Program
- Guidance to cope with limited resources from the Operators
- Relationships with top-management and unions
- “just culture” or “safety culture” related to the use of FDM data
- FDM use to support Risk Management
- Handling confidentiality Issues, storing and de-identification of data
EOFDM Deliveries

Risk Areas addressed

- Runway Excursions (RE)
- Loss of Control – In Flight (LOC-I)
- Controlled Flight Into Terrain (CFIT)
- Mid-Air Collision (MAC)

EOFDM
EOFDM Deliveries - WGA

All Risk Areas covered by a single document
EOFDM Deliveries - WGB

All Risk Areas covered by a single document
Current EOFDM Projects

→ Advanced FDM algorithms for monitoring take-off performance

→ Advanced FDM algorithms for monitoring the approach path management

→ Best practice document on FDM analysis techniques
EOFDM Contacts

More information can be obtained through:

→ Email: fdm@easa.europa.eu
Thank you for your attention