



Case Presentation:
EOFDM WG-C Best practice document
FDM Analysis Techniques and Principles

SAFE 360°- Safety in Aviation Forum for Europe 2022
FDM BREAKOUT SESSION

WG-C co-Leaders

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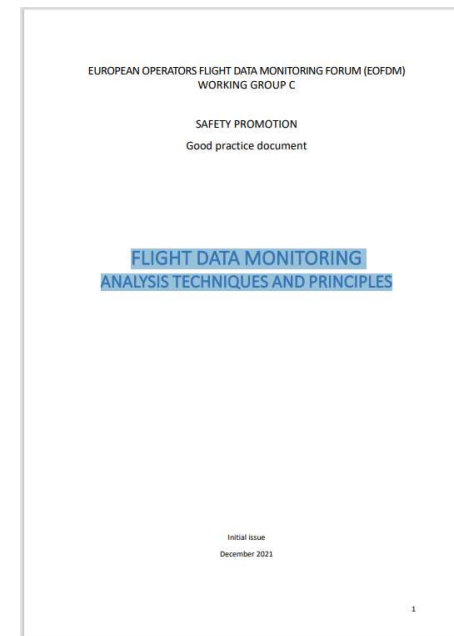
Outline

- Identify and prioritise issues to be identified through FDM
- Understand the possibilities and limitations of the FDM programme
- Identify a set of FDM algorithms
- Conduct Statistical Analysis

[FLIGHT DATA MONITORING ANALYSIS TECHNIQUES AND PRINCIPLES](#)

Alternative link below (EOFDM Home Page)

[European Operators Flight Data Monitoring forum \(EOFDM\)](#)



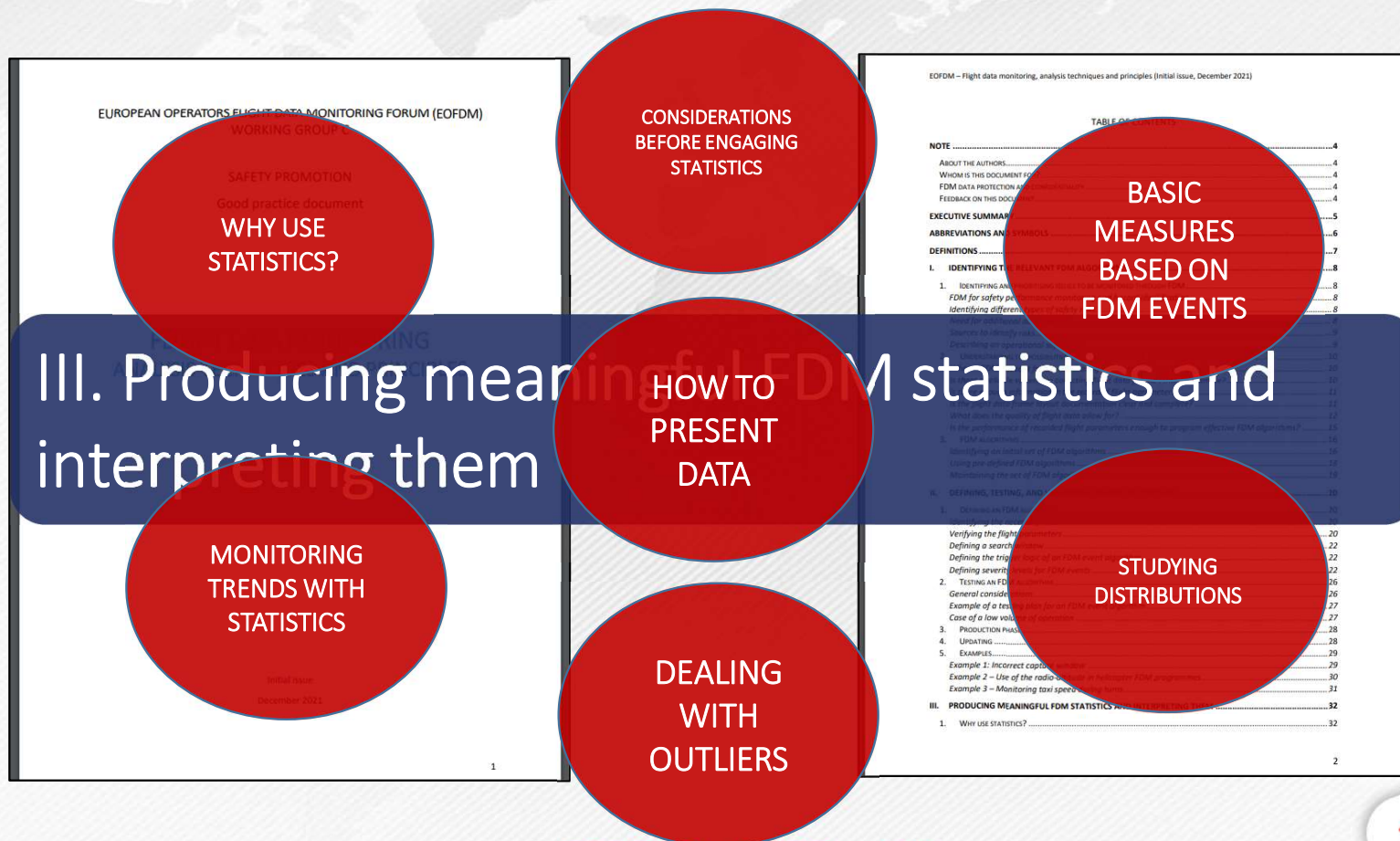
Define an FDM algorithm

- Identify the necessary data
- Verify the flight parameters
- Define a suitable search window
- Define a suitable trigger logic
- Test and validate the FDM algorithm

Analysis

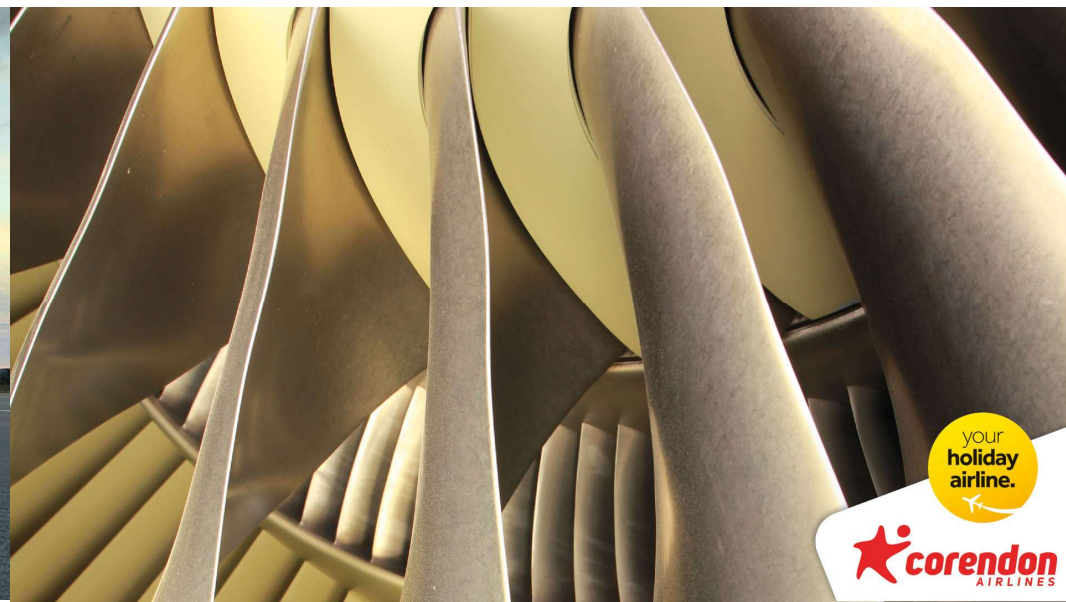
- Wide range of statistical methods available
- FDM Event rates
- Studying Distributions
- Managing outliers
- Trend analysis

FDM Analysis Techniques and Principles



BOEING 737 operator





THANK YOU