



FDM Introduction For General Aviation

Prepared for ERAU/CAPACG FDM Workshop
January 7, 2007

SHIFTING WINDS



ERAU/CAPACG FDM Workshop January 7, 2007



- AC 120-92 and the introduction of SMS (Safety Management System) and Safety Incentives
- Voluntary Disclosures Program
- New Technologies- Light Weight, Accurate, Affordable, Usability



FDM-*The Silent Mentor*[®]



Candidates

- University Flight Departments
- Flight Schools
- Corporate Flight Departments
- Air Taxi Operators

Benefactors

- Pilots
- Operators
- Community
- OEMs
- Insurance Industry
- ATC

Safety



Measuring performance

FDM Interest

Fleet trending

Training/SOP

Measuring the effectiveness of the training and mentoring programs

Post-mentor period

Asset protection

Comparison Analysis

Type of aircraft

Type of operator

Type and fleet size

Training cycle



FDM Dividends

Training/Operational/Maintenance

E-Debrief

Scenario based curriculum

Feedback to instructor / Train The Trainer

Scenario based facilitation

Validation or modification of SOP

Operating within aircraft limitations

G-loading (histogram)



Safety Dividends



Early identification

- Adverse safety trends

- Flawed or misinterpreted SOPs

Risk and Resource Management

- Uncovers threats and errors

- Mitigate risk



Flight Data Monitoring



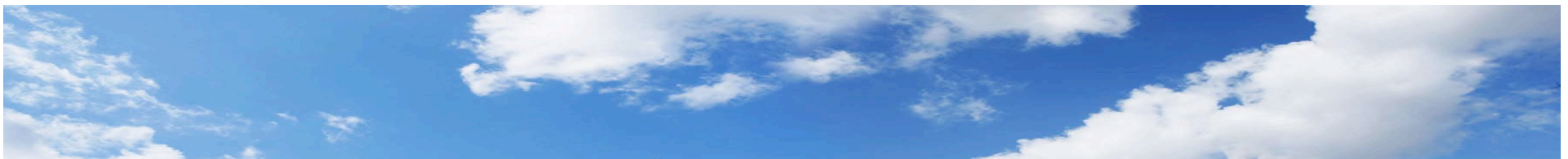
Training Modifies Behavior

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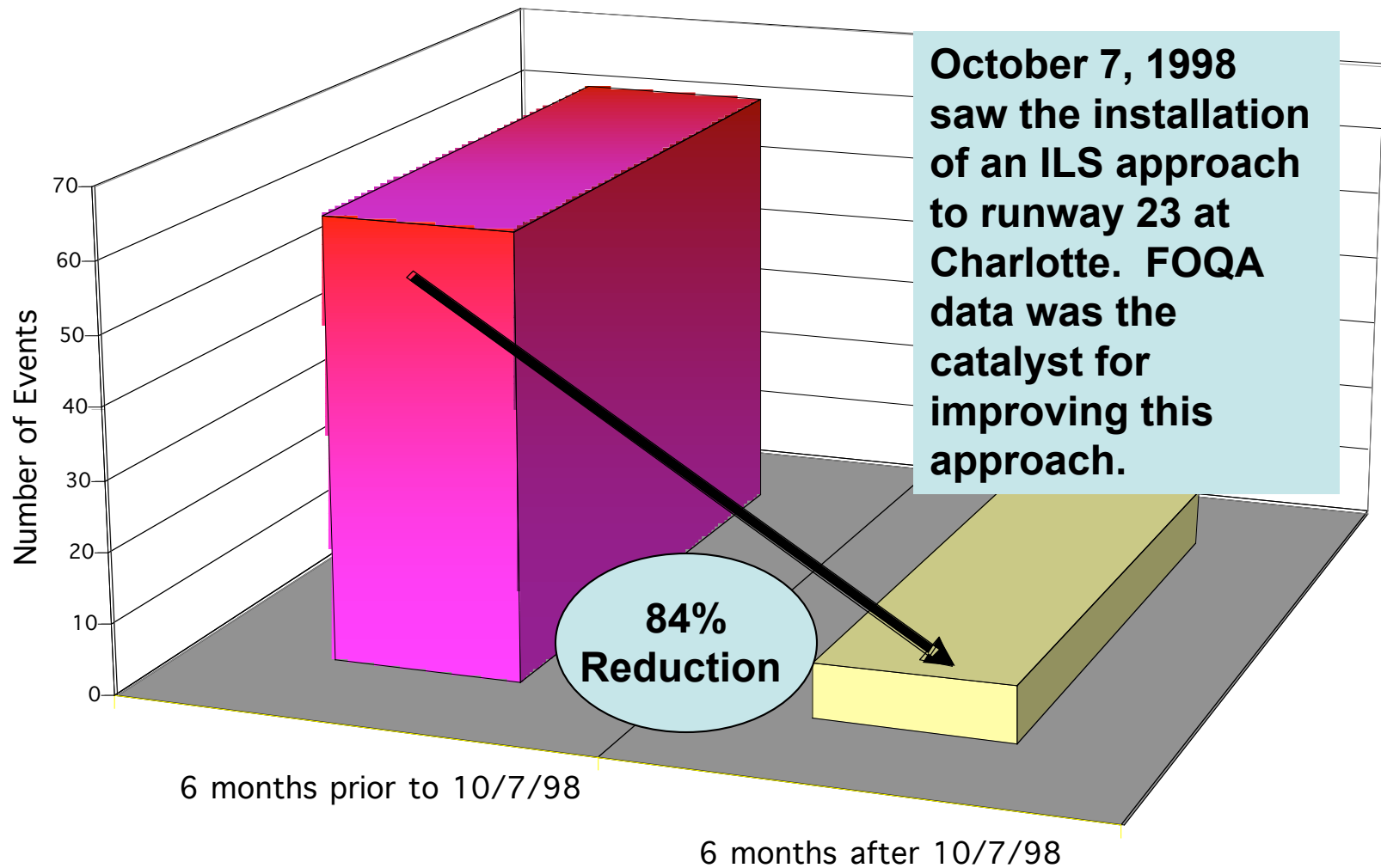
Acknowledges Modified Behavior

Airframe limitations

Adherence to SOPs



Number of unstable conditions relative to the installation of the ILS approach on runway 23 KCLT



Acknowledgment of Behavior Modification

Modified Behavior from training

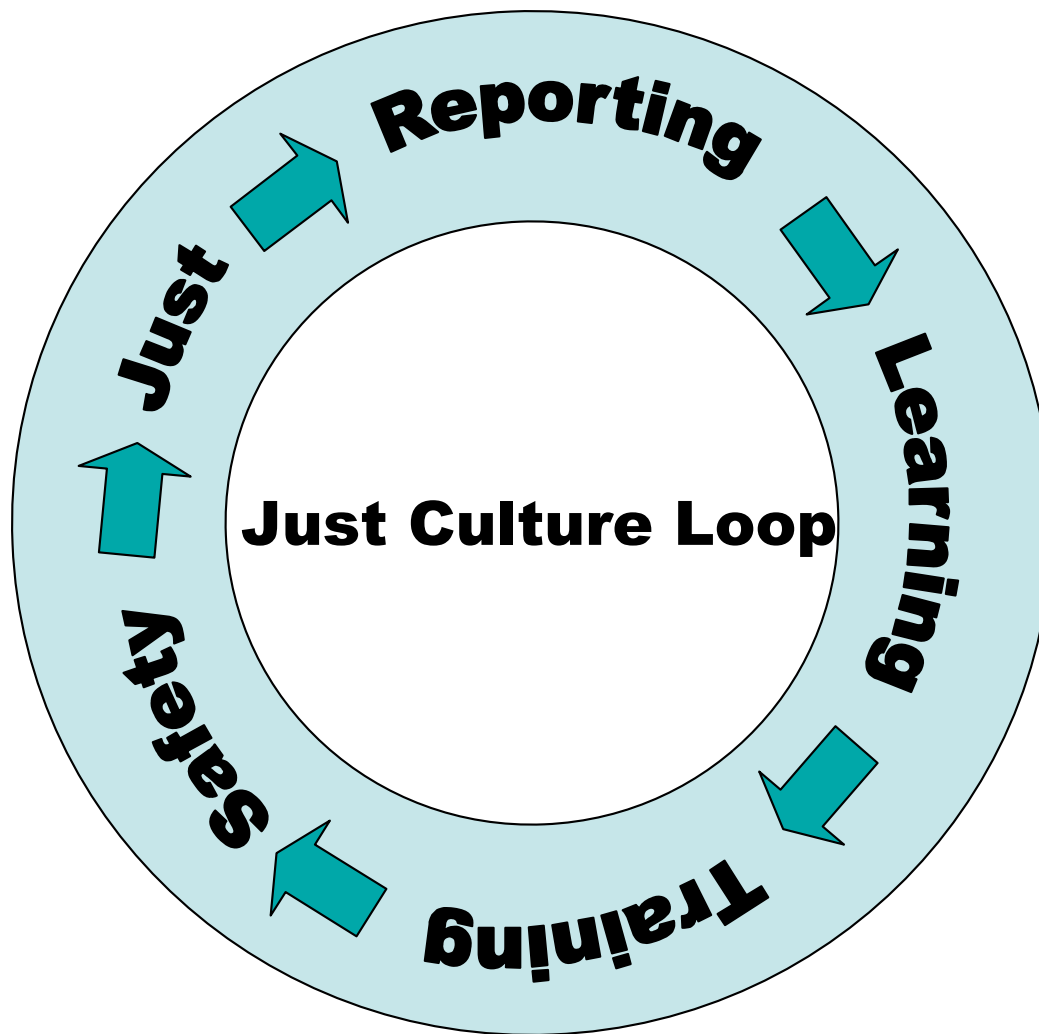
Do I need to slow down?

Should I go around?

Have you been there?









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To err is human... to recover is good training®