



We aren't along for the ride!

Captain John Steinnes, Boeing 737 Chief Technical Pilot

The statements contained herein are based on good faith assumptions are to be used for general information purposes only. These statements do not constitute an offer, promise, warranty or guarantee of performance.

Loss of Control-Inflight Countermeasures

GPWS/ACAS (TCAS)

Windshear

- Predictive

- Reactive

Stall Protection

- Warnings/alerts/onset buffet

- Envelope Protections

OEM Documents

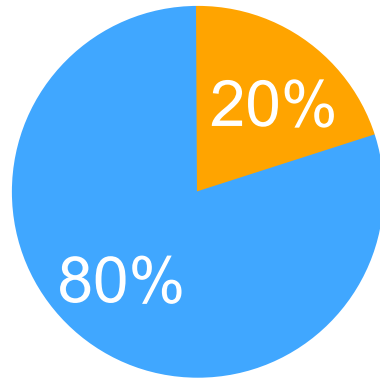
- FCOM

- QRH

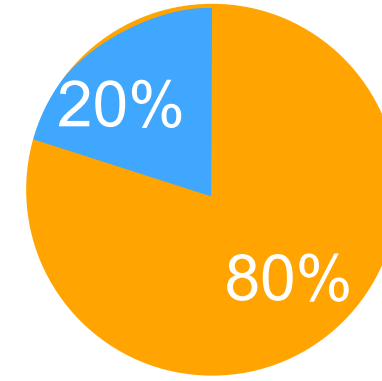
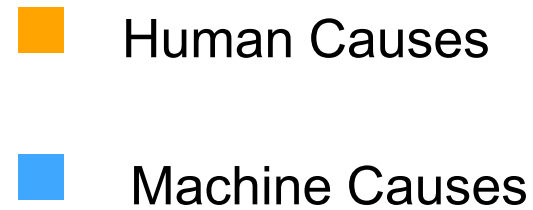
- FCTM

- MEL/DDG

Aviation Accident Main Causes / Over 100+ Years



Early 1900s



Recent Years

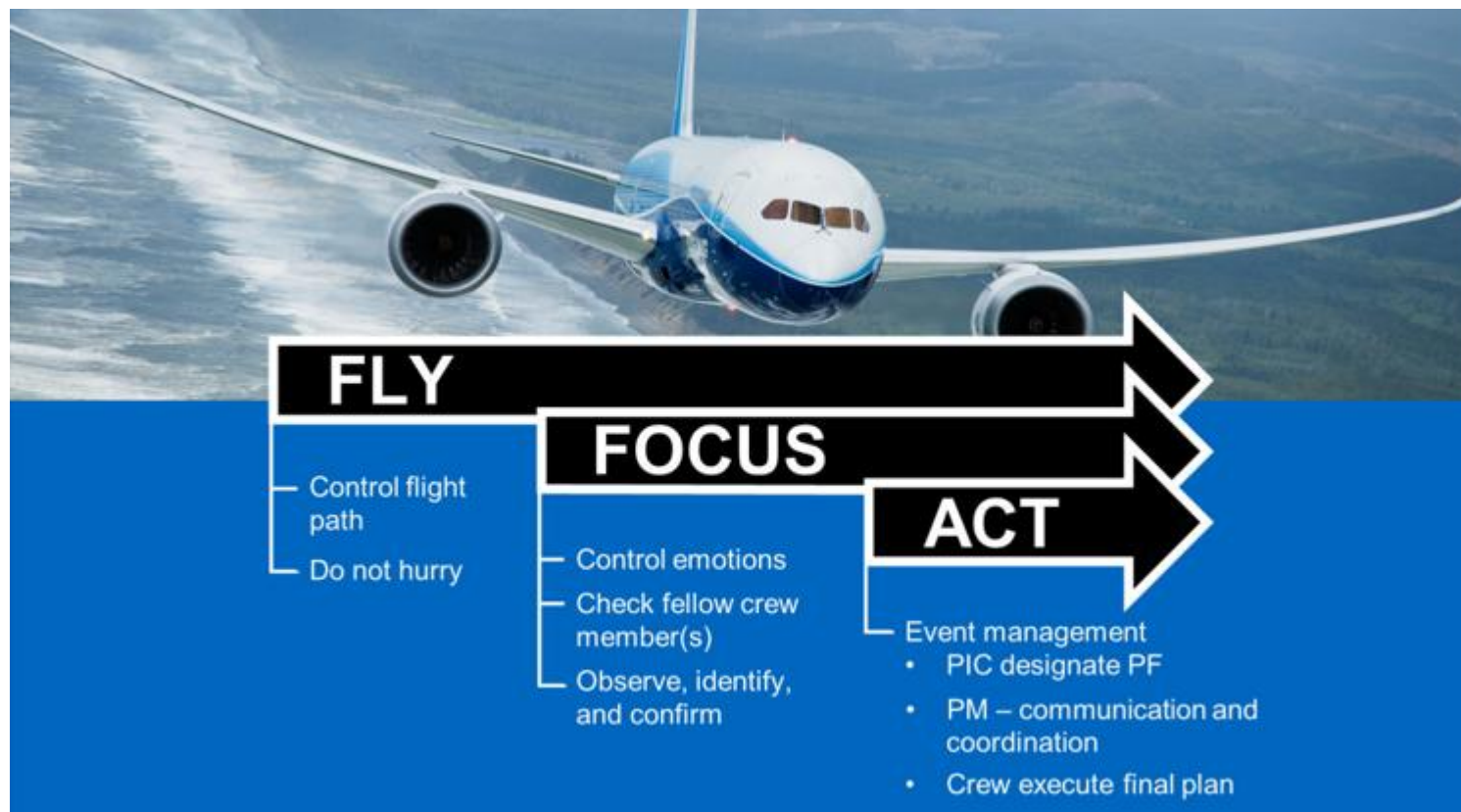
Case Studies

- Sriwijaya Flight 182 (January 9, 2021)
- High Altitude Operations
- Go-arounds/Missed Approaches
- Substitution Errors

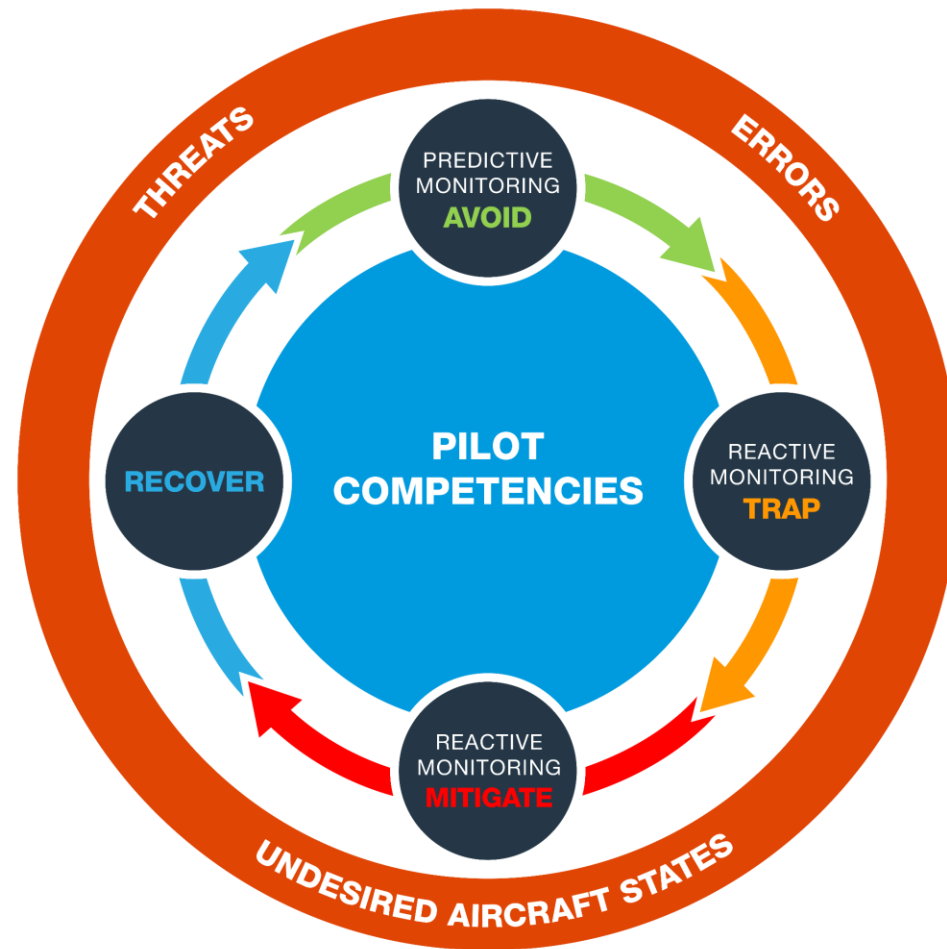
“UPRT – The Movie” is available on My Boeing Fleet



Mnemonic for Priorities



Threat and Error Management - Mitigation



Monitoring Skills

- CRM (Captain sets the tone)
- TEM (Brief Known Threats)
- Planning/Preparation/Briefing/Debriefing
- Anticipation (Is it doing what I expected?)
- Situational Awareness
- Communication (see something...say something)
- SOPs

Boeing UPRT Instructor Training Course

Academics
2 hours

	Day 1	Day 2	Day 3	Day 4
1	Intro	Brief	Brief	Brief
2	Brief			
3	FFS 1	FFS 2	FFS 3	FFS 4
4				
5				
6				
7	Dbrf	Dbrf	Dbrf	
8				

Notes:

- 3 instructor candidates require 4 FFS training sessions
- 2 instructor candidates require 3 FFS training sessions
- 1 instructor candidate requires 2 FFS training sessions



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Training & Professional Services

Summary

- UPRT creates awareness
 - Stalls and upsets do occur
- Enhances flight training
 - Manual Flight Control Skills
 - Automation management
 - Pilot Monitoring Skills
- Prevention and Recognition
 - Flight Path Management
 - Crew Resource Management
 - Threat and Error Management
- Maneuver/Scenario Based Training
 - Increases crew competence
 - Improves confidence
 - Develops resilience





Questions?

Thank You

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