

Pilot Decision Making

Part 1 - Course Introduction

Problem

- Accident rate has flattened
- With anticipated growth in traffic, accident rate expected to increase
- Approximately 80% of all accidents are caused by human error
- Armed with adequate information, good equipment, training and SOPs, pilots continue to make bad decisions

Solution

- Help pilots make better decisions by introducing them to the concepts, principles and practices of good decision making

Results

- Results show 10-50% fewer decision making errors after PDM course!

Course Outline

The course is divided into the Five (5) modules:

- Module 1- Introduction
- Module 2- Components of the decision-making process
- Module 3- Human Performance Factors
- Module 4- Human Error
- Module 5 - Risk Management

Module 2: The Decision Making Process

- The model of pilot performance
- Pilot Decision-making process
- Pilot performance levels
- Factors

Module 3: Human Performance Factors

- Physical
- Physiological
- Psychological
- Organizational
- Cultural
- Communications
- Judgment
- Countermeasures

Module 4: Human Error

- Error classification
- Latent conditions
- Countermeasures

Module 5: Risk Management

- Definitions
- Goal
- Risk management process
- Risk assessment
- Risk scoring
- Risk Criteria
- Risk options
- Risk management for pilots