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