Pilot Decision Making

- Module 4 -

Human Error
Outline

• Error Classification
• Latent Conditions
• Countermeasures
Error Classification

- Unsafe acts can be classified as:
  - Errors
    - Decision errors
    - Skills-based errors
    - Perceptual errors
  - Violations
    - Routine
    - Exceptional
Latent Conditions

• According to the Shappell/Wiegmann HFACS Model, the unsafe acts of aircrew are shaped by:
  – Preconditions for unsafe acts
  – Unsafe supervision
  – Organizational influences
Countermeasures

• Good practices to overcome some effects:
  – Comfort
  – Checklist design
  – Interruption management
  – Inspection and checking design
  – Spoken protocols
  – Human-machine interface
  – Team composition
  – Instruction structure
  – Etc.