



The Honorable  
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# Some Future Issues

- Loss of Military Pipeline
- Criminalization of Inadvertent Error
  - Prioritization



# Loss of Military Pipeline

- Let's try FL 410! (2004)
- Takeoff without runway lights (2006)
  - Minneapolis over-flight (2009)
  - Stick shaker: PULL! (2009)

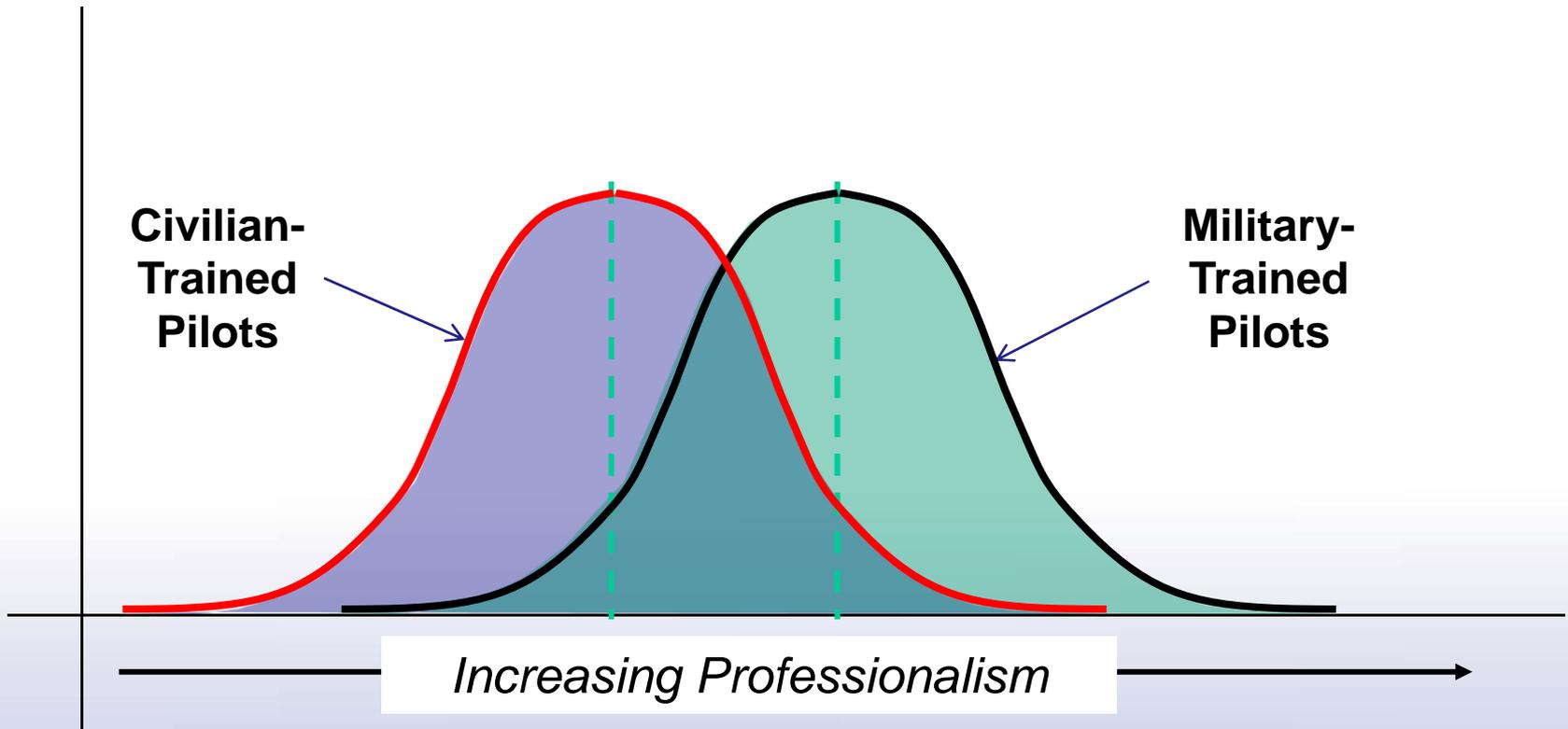


# Abundant Professionalism

- Hudson River landing (2009)
- Gliding to the Azores (2001)
  - Sioux City (1989)
  - Gimli Glider (1983)



# Shifting the Bell Curve



# Criminalization

- Systems getting more complex
  - Good people trying to do the right thing
- Human error: Immediate response is to *PUNISH!*
- Issue: Best way to stop error that is *inadvertent?*



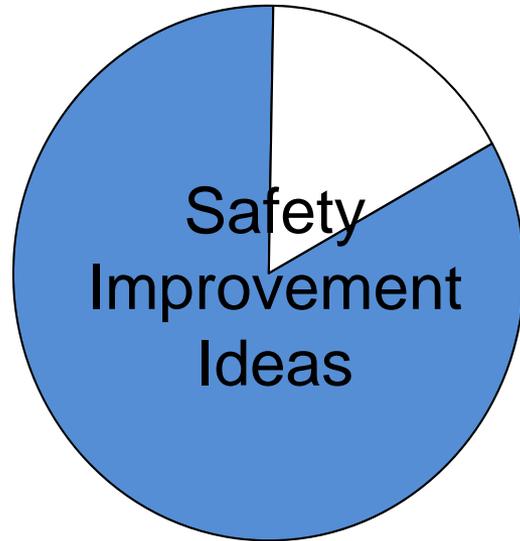
# Undesirable Results

- Hinders mishap investigations
- Chills willingness to participate in proactive information programs
  - Concorde, Paris (2000)
  - Linate Airport, Milan (2001)
  - GOL 1907, Brazil (2006)

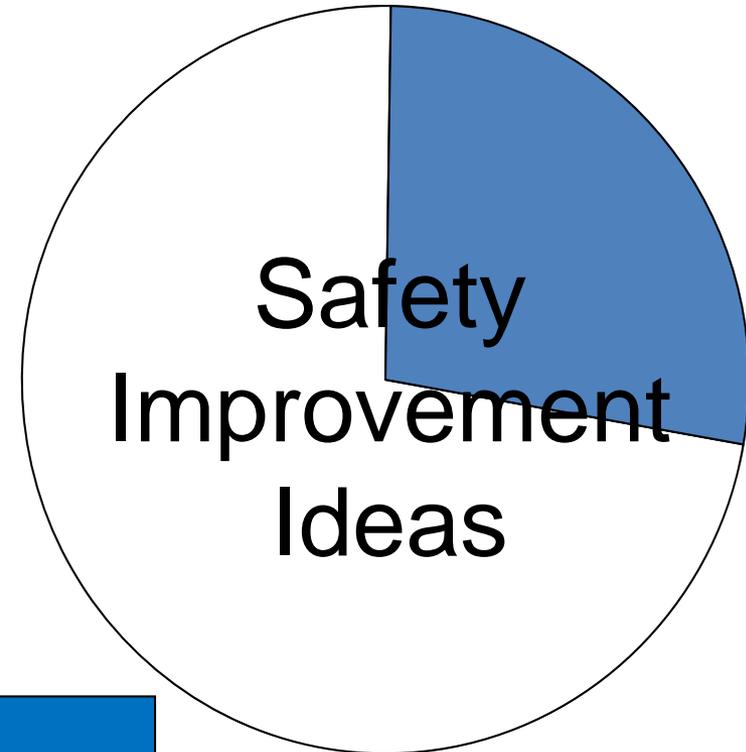


# Need for Better Prioritization

Past



Future



Safety Improvement Ideas From:

- Things that *did* go wrong
- Things that *could* go wrong



Thank You

***Questions?***



National Transportation Safety Board