Federal Aviation Administration

The United States Aerospace Workforce of the Future

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Overview

• Background
• Defining the Problem
• Challenges and Opportunities
• Talent and Technology
• Focus on the Future
Background

- FAA Mission--Safety
- Current US Aerospace Infrastructure
  - US Regulated Aerospace Industry
  - FAA Employment Statistics
    - Overall Workforce
    - Safety Workforce
The “Problem”

• The global aviation industry is alive
  – Growth is forecast at 5% annually through 2020
  – Major aviation markets exist in every region of the world
  – New technologies and practices being adopted

• The aerospace workforce is not changing as quickly
Challenges

• Aging workforce that is skilled in science, engineering, and manufacturing

• Insufficient number of students graduating with math, science and technological skills to ensure a competitive edge
Opportunities

- Industry wide issue
- Economic downturn provides a catalyst
- Innovate ways to recruit and retain
- FAA Centers of Excellence
- Reset image of industry
Talent and Technology

• Next Generation Aviation Professionals
  – FaceBook not memos
  – Texting not talking
  – Joysticks not wheels
• Satellite based technology
• Efficiency driven decisions
• Seamless skies….seamless workforce
Focus on the Future

- Public Law 109-420 (December 20, 2006)
- Report of the Interagency Aerospace Revitalization Task Force
  - The Industry and Its Challenges
  - FAA is a lead member
- STEM (Science, Technology, Engineering and Mathematics) Challenge