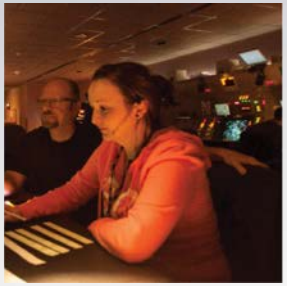
CENTERS OF EXCELLENCE

TECHNICAL TRAINING & HUMAN PERFORMANCE



Overview of Air Transportation Environment:
Technical Training

Randy Smith
Acting Director, Technical Training

Public Meeting | October 21-22
DoubleTree by Hilton, Crystal City (Arlington), Virginia
www.faa.gov/go/coe

OVERVIEW OF AIR TRANSPORTATION ENVIRONMENT:
Technical Training: Current State

Technical training for our controllers and technicians has not changed significantly over the years.

- In-resident training for basic classroom and lab
- Limited use of simulation
- Multiple systems with no standard for requirements or design

As the Air Traffic System modernizes we face an urgent need to modernize training programs.

- Make use of new technologies and efficiencies
- Make use of modern teaching methods

Constraints:

- No single tool to allow for data collection to provide a holistic scorecard
- Budget
- Requirements to train certified workforce
- We use people vs technology

OVERVIEW OF AIR TRANSPORTATION ENVIRONMENT:
Technical Training: The Big Vision

- Better, faster, cheaper
- More responsive to learning style of today's students
- Create advanced training curriculum for certified workforce
- Capitalize on technology
- Mitigate safety vulnerabilities and generate efficiencies

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Break