

# ***Headquarters Air Mobility Command***

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**APBI  
MAF DMO**

**Sean Carey, AMC/A3TD**

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# OVERVIEW



- **Aircrew Training System (ATS) Concept**
- **Future of MAF DMO**
- **Discussion**



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# AIRCREW TRAINING SYSTEM

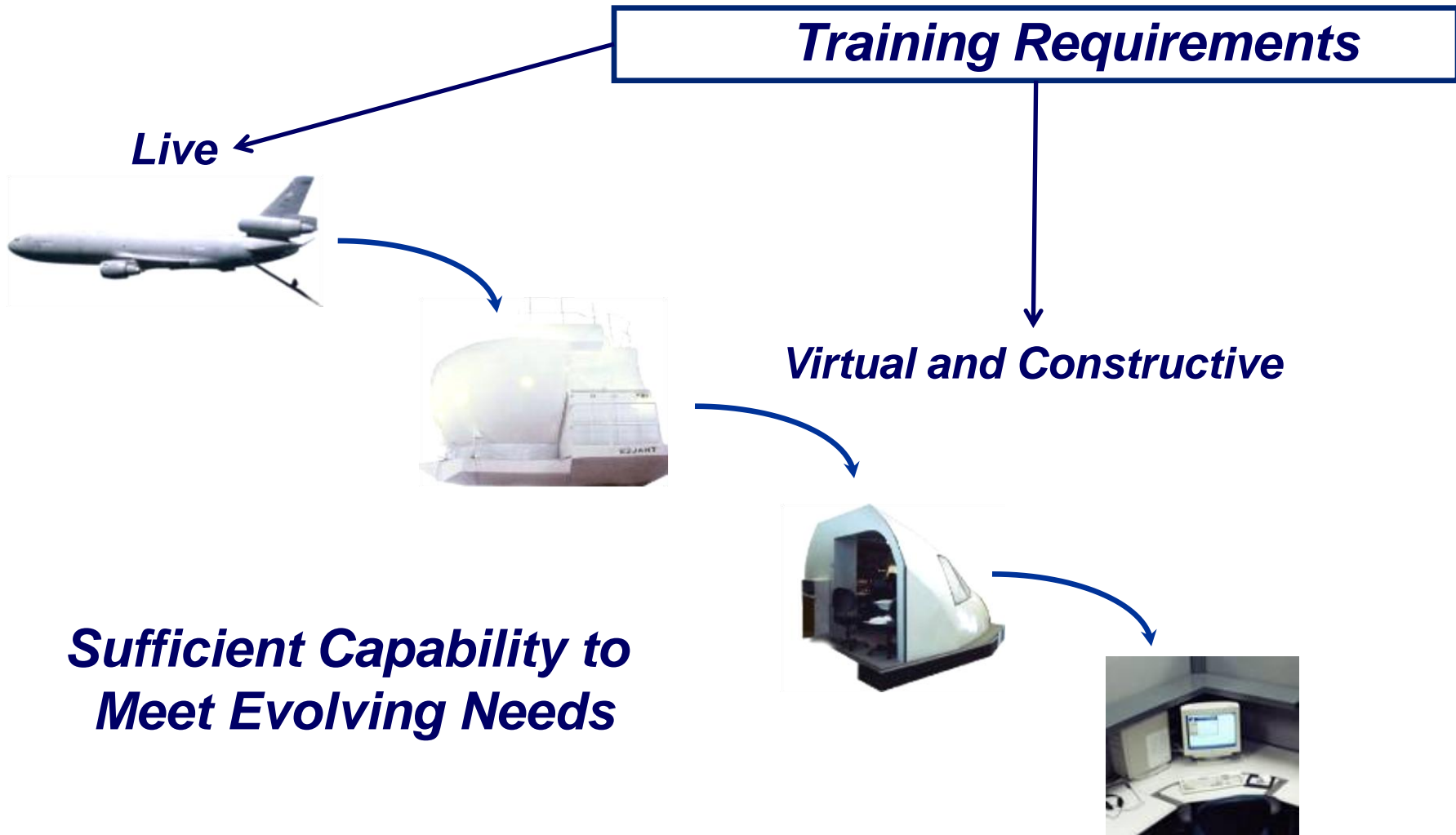


***Sufficient Capability to  
Meet Evolving Needs***

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# AIRCREW TRAINING SYSTEM

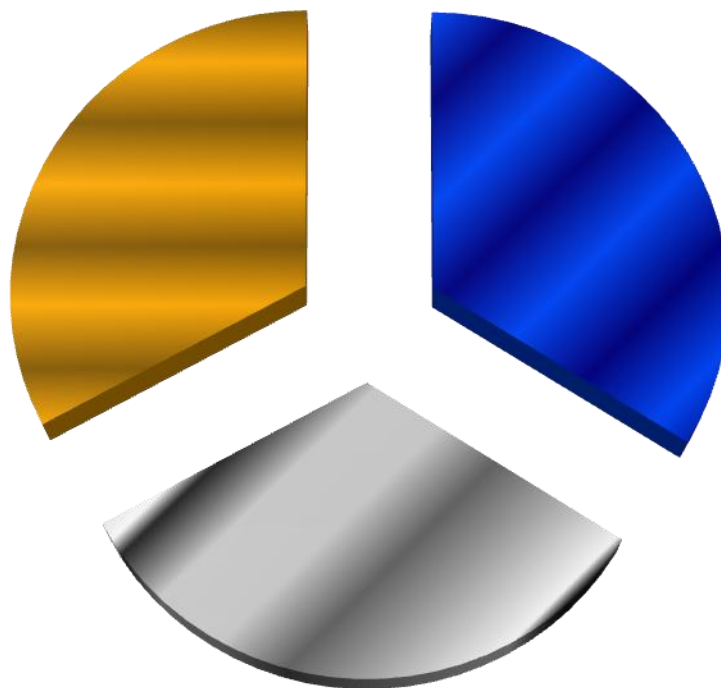


**Sufficient Capability to Meet Evolving Needs**

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# WHAT IS THE RIGHT MIX?



■ Live   ■ Virtual   ■ Constructive

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# WHAT IS THE REQUIRED LEVEL OF INTEROPERABILITY?

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***Single Box, Single Site***



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# WHAT IS THE REQUIRED LEVEL OF INTEROPERABILITY?



***Single Box, Single Site***



***Multi Box, Single Site***

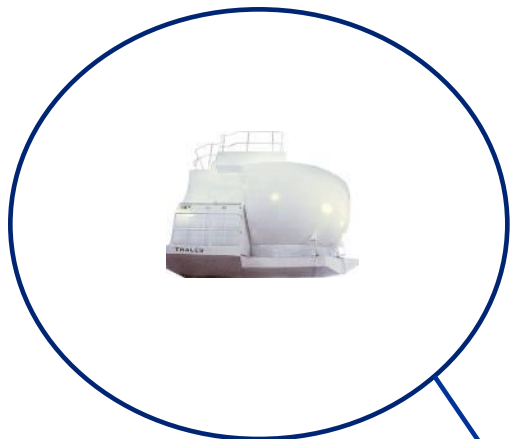




# WHAT IS THE REQUIRED LEVEL OF INTEROPERABILITY?



***Single Box, Single Site***



***Multi Box, Single Site***



***Multi Box,  
Multi Site  
Multi MWS***

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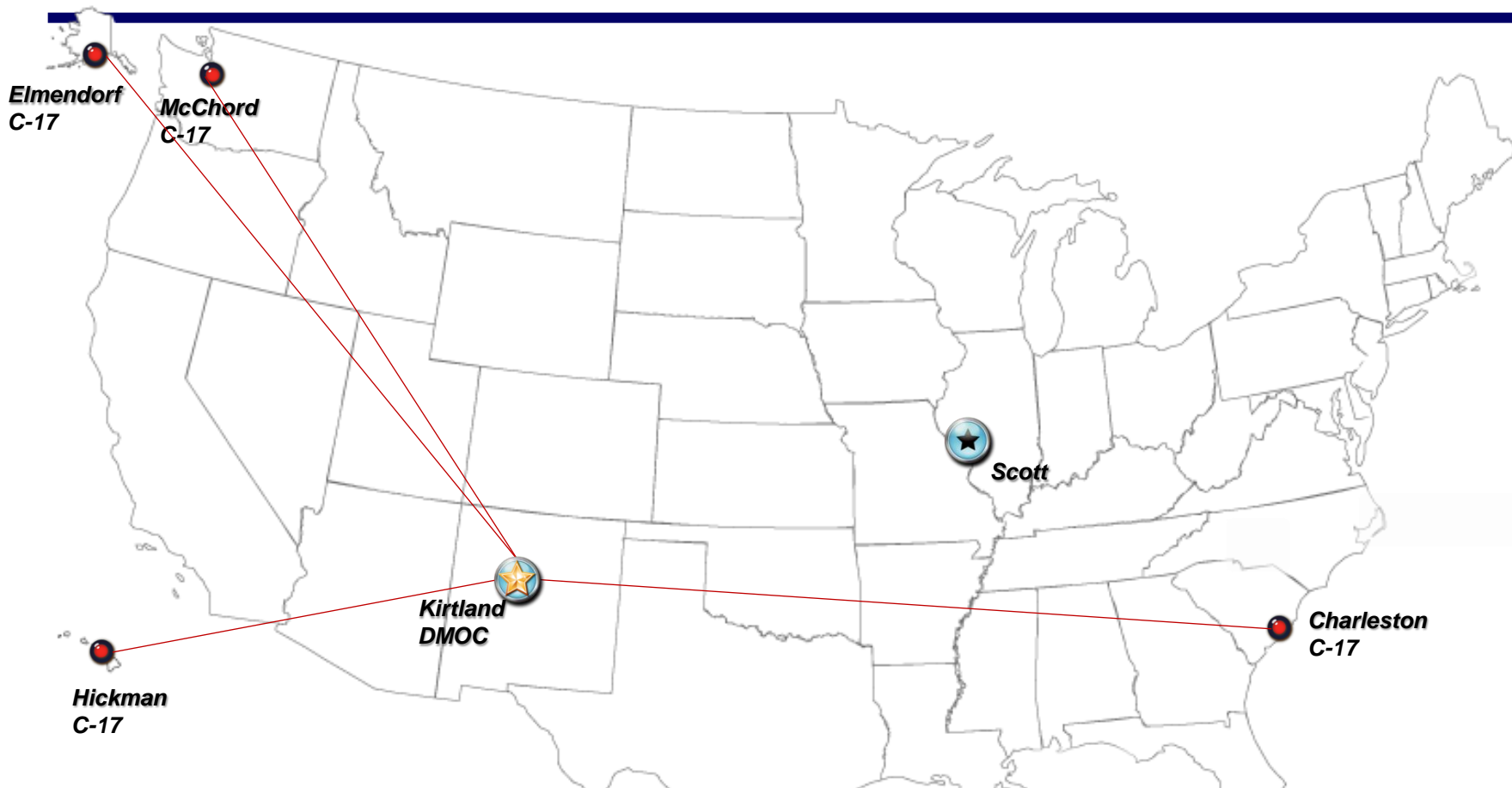
# FUTURE OF MAF DMO



- 
- **Natural and Critical Extension of AMC's Trng Program**
  - **Focus is on Daily Persistent Vol 1 Trng**
  - **Distributed Trng Center (DTC), Projected NLT Nov 11**
  - **Gov't Owned Trng Devices Connected Through a Gov't Owned Network (Defense Info System Network)**
  - **Three Increments**
    - **DTC and C-17 Connectivity**
    - **Air Refueling (KC-10, KC-135, and C-5)**
    - **TAC Air (C-130 E/H and C-130J)**



# MAF DMO FY09

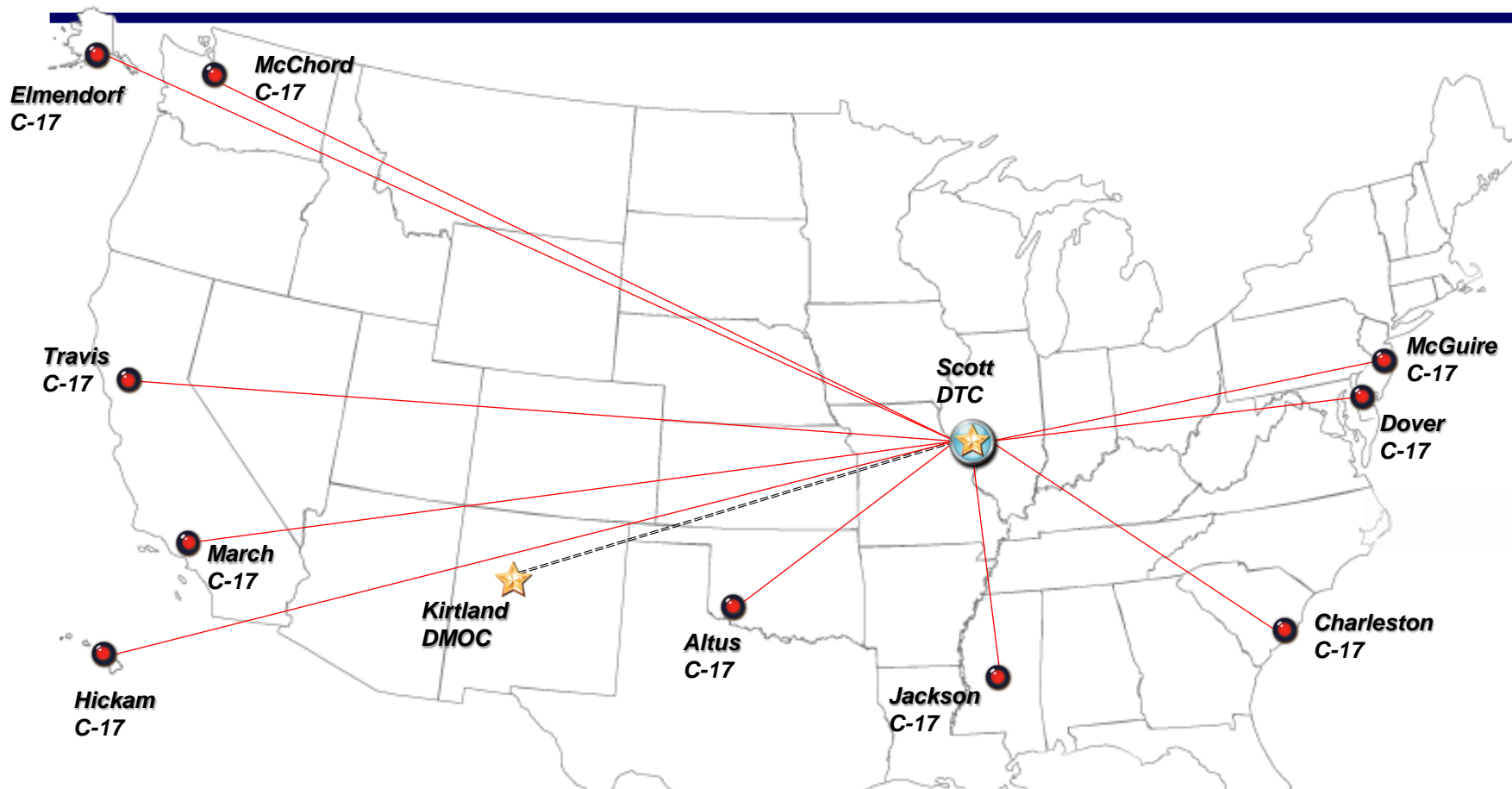


- Persistent Connectivity Through DMOC for C-17 Phase Training
- On-going Participation in Virtual Flag Exercises

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# MAF DMO FY12

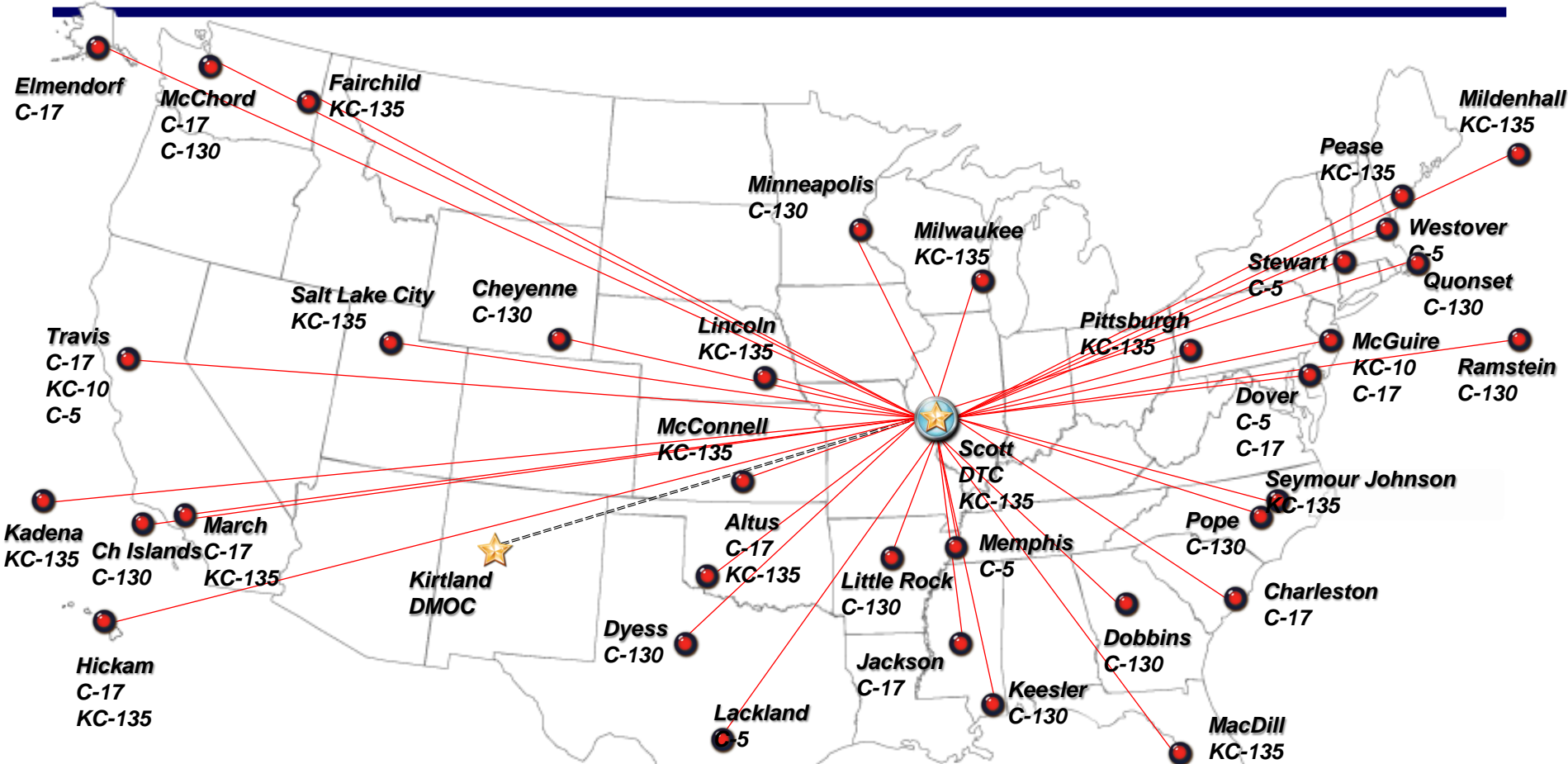


- Initial Increment of DTC Capability Connecting C-17s
- Connectivity with DMOC Retained for Virtual Flag Participation

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# MAF DMO FY17



- Incremental Addition of Air Refueling and TAC Air Capabilities
- DTC Portal for Connectivity w/Other Agencies and Networks

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# ON-GOING/PROJECTED REQUIREMENTS



- **Distributed Trng Center CLS**
- **Air Refueling Effort**
  - Standards (Latency, Bandwidth, Aero Modeling)
- **Component Systems**
  - Threat Generation
  - Air Traffic Control
  - Brief/Debrief
  - Weather
- **Need for Incremental Capability Options**

## MAF DMO Mission

Train in a Secure, Realistic Threat Environment Via a MAF Network While Reducing Risk and Operating Cost. The MAF Network will Enable Live, Virtual and Constructive Participation in a Wide Range of MAF, USAF, Joint and Coalition Exercises.



# DISCUSSION



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# ***Headquarters Air Mobility Command***

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**APBI**

**12 MAY 09**

**AMC Aircrew Operations and Training Division**

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# Future Vision for AMC Simulator Training



- 
- **Expansion Beyond Pilot-Only Simulators**
    - Simulator Training for Boom Operators and Loadmasters
    - Network Simulators for Distributed Training
  - **Common Databases to Allow:**
    - Simulator Training Beyond CONUS (Iraq, Afghanistan)
    - Formation, Airdrop, and Air Refueling
  - **Incorporation of Threat Data Directly into Simulators**
    - Current Threat Training Uses Virtual Threat Recognition and Avoidance Trainers (VTRAT)
    - Major Tactics Training Enhancement
  - **Formation Flight and Distributed Mission Operations**
-



# FY09-10 ATS CONTRACT PROJECTIONS



- **KC-135**
  - **ATS Recomplete**
  - **Procure Visual Systems Replacement**
- **KC-10**
  - **Procure Visual Systems Replacement**
- **C-5**
  - **ATS Recomplete**
- **C-17**
  - **ATS Recomplete**
- **C-130 E/H**
  - **ATS Recomplete**
- **C-130 J**
  - **None**





# Discussion



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