

# *Headquarters Air Mobility Command*

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## **AMC TRAINING PROGRAMS**

**Capt D.W. Schmidt**

**AMC Training, Plans and Programs**



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# OVERVIEW



- **Aircrew Training System (ATS) Concept**
- **Current Simulator Training**
- **Future Challenges and Needs**



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# AIRCREW TRAINING SYSTEM



## Balance Needed...

- Training Requirements
- Flying Hours
- Simulator Advantages

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# TRAINING SYSTEM COST



## ■ ATS Contracts Valued at \$161M in FY06

- C-17 Boeing
- C-5 Flight Safety
- C-130 Lockheed
- KC-10 Boeing
- KC-135 Flight Safety

## ■ 62 Simulators - \$1.2B





# PILOT TRAINING IN SIMULATORS



Airframe	Contracted Levels	Sim Creditable Training Events (Approximate)
KC-135	20 hr/day, 6 day/wk	50% proficiency events, 50% tactical events
KC-10	16 hrs/day, 7 day/wk	75% proficiency events, 50% tactical events
C-17	16 hrs/day, 7 day/wk	100% proficiency events, 50% tactical events
C-5	16 hr/day, 360 day/yr	90% proficiency events, 100% tactical events
C-130E/H	18 hr/day, 6 day/wk	100% proficiency events, 50% tactical events
C-130J	20 hr/day, 5 day/wk	100% proficiency events, 50% tactical events

- Threat recognition/avoidance training conducted with VTRAT classroom simulators
- **FY06 Cost Avoidance:**
  - 31,704 flying hours, equivalent to \$322M in total costs, \$233M in fuel costs

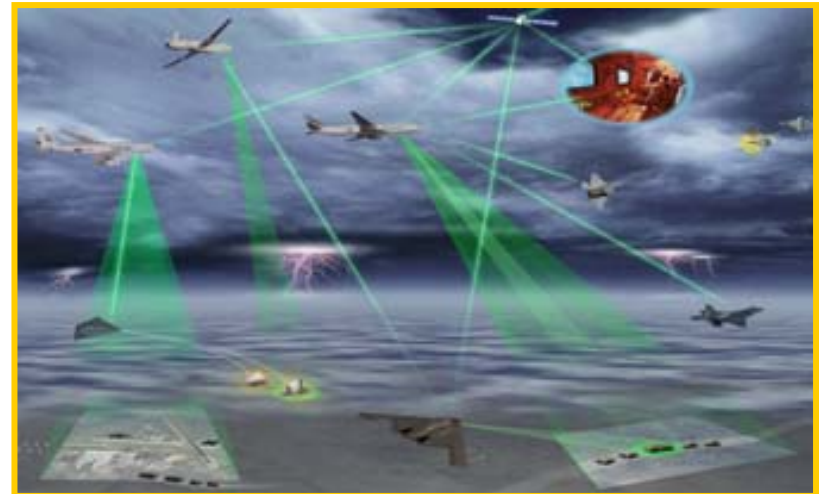
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# DISTRIBUTED MISSION OPERATIONS



- **Networking Simulators For Large Scale Training**
  - **Airdrop, Air Refueling and Tactics Training to Sims**
  - **Train With Non-Aircrew Players**
  - **Allows Mission/Campaign Rehearsal**
  - **Increased Crew Management Resource (CRM) Training**
- **Vastly More Realistic Than Single Crew Training**



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# EXPAND BEYOND PILOT-ONLY SIMULATORS



- Improve Simulator Training For All Crew Positions
- Network Simulators For Distributed Training



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# COMMON DATABASES



- Expands Training Beyond Home Station
  - Iraq and Afghanistan
- Essential for Distributed Mission Operations/Training
  - Formation, Airdrop, Air Refueling



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# INCORPORATE THREATS TRAINING INTO SIMULATOR



- Current threat training with Virtual Threat Recognition and Avoidance Trainers (VTRAT)
- Need to take threats into simulators



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# FUTURE REQUIREMENTS FOR SIMULATOR TRAINING



- Distributed Mission Operations
- Expansion Beyond Pilot-Only Simulators
- Common Databases
- Incorporation of Threat Data Directly into Simulators
- ***Must be Affordable!***



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# WHY WE TRAIN!



## PAKISTAN EARTHQUAKE

### RELIEF

547 Sorties  
2,245 Passengers  
6,309 Tons



## HURRICANE RELIEF

881 Sorties  
14,785 Passengers  
2,964 Patients  
5,676 Tons



## SINCE 9/11

755,650 Sorties  
6.05M Passengers  
2.38M Tons of Cargo  
3.8B LBS of Fuel



## OEF/OIF

222,377 Sorties  
2,773,576 Passengers  
1,482,656 Tons

## AEROMEDICAL EVACUATION

12,692 Sorties  
67,250 Patients



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# DISCUSSION



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