

# ***Headquarters U.S. Air Force***

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*Integrity - Service - Excellence*

## ***USAF Future Training Flight Plan***



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HQ USAF/A3OT  
Operational Training Division  
23 May 2006**

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# Report Documentation Page

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# Topics

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- **Air Force Smart Ops for the 21<sup>st</sup> Century (AFSO-21)**
  - **Training Transformation (T2)**
  - **Distributed Mission Operations**
  - **Increasing Training Efficiencies**
    - **Energy Conservation**
    - **Aircrew Training Review**
    - **Future Training**



# ***AFSO-21 Smart Ops***

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- **Air Force unique model** using portions of:
  - **Lean, Six Sigma, Theory of Constraints, and Business Process Reengineering**
- **How best to deal with declining resources without loss to combat capability?**
- **AFSO-21 looks to eliminate any unnecessary steps within the training process**
  - **Cut non-value added requirements**
  - **Improve how we operate...look to desired result**
  - **Add agility in response to dynamic events**



# Training Transformation (T2)

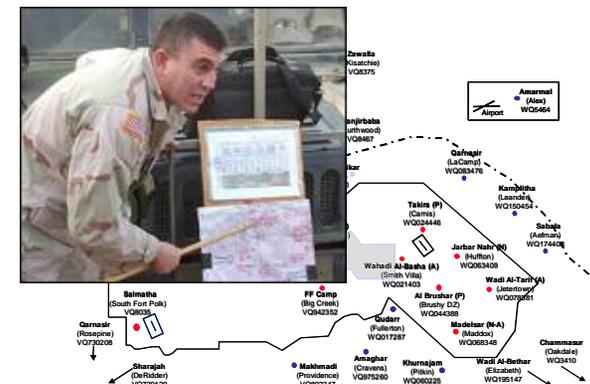
- DMO is the USAF contribution to DoD's T2 efforts
- Joint National Training Capability (JNTC) is focused on integrating Live, Virtual and Constructive training to improve joint force readiness
- DMO is our critical enabler for current JNTC efforts



Search and Rescue



Ground forces and artillery

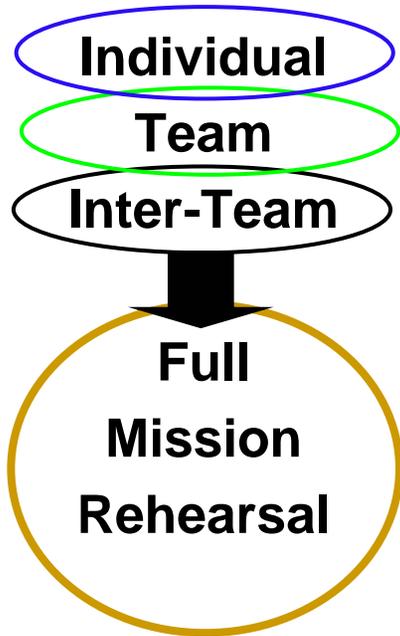


Command & Control Support



# Distributed Mission Operations

## Training Levels



## Player Types

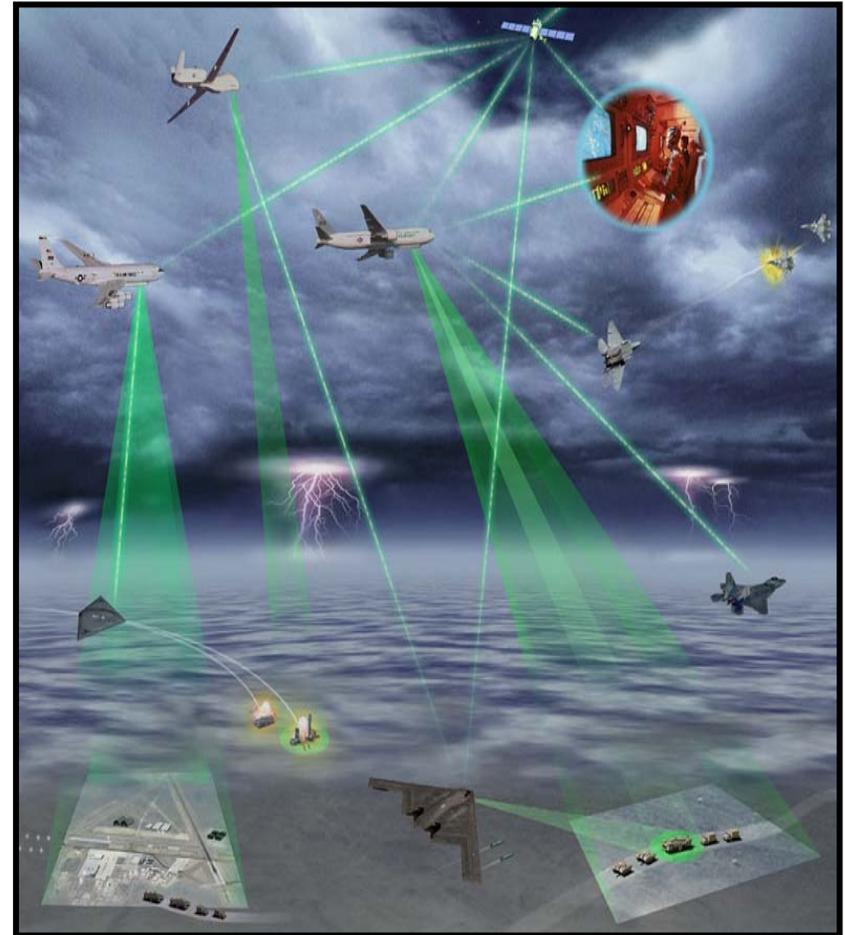
- Live
- Virtual  
(Man in the Loop)
- Constructive  
(Computer Generated)

Train aircrews in a realistic, fully integrated environment from individual training through full mission rehearsal



# ***DMO Training Objectives***

- **Horizontal and Vertical Training**
- **Distributed Combat Environment**
- **Integrated (C4ISR)**
- **AEF Pre-Deployment Preparation**
- **Theater Air Control System (TACS)**





# *Energy Conservation*

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- **Using AFSO21 establish an operational review structure and processes to develop and analyze alternative CONOPS to promote/create energy efficiencies in aviation operations and training**
  - **Establish Operational Energy Review/Investigation Structure**
  - **Evaluate operational and training policies to promote energy efficiencies**
  - **Develop alternatives for conducting flying operations/training that may yield energy efficiencies**
  - **Establish procedural changes promoting energy efficiencies**



# *Aircrew Training Review*

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- **CSAF directed a review of flying training**
  - Increased demands for rated officers in AOC and UAS
  - Decreasing force structure to grow rated officers
- **Goal: Deploy training capability to meet future demands**
- **Process**
  - AETC leads review, with MAJCOM & Air Staff support
  - Must consider constrained resource environment
  - Clean slate review--methods, processes and systems
  - Identify means to improve effectiveness/efficiency
  - Assess and refine proposal



# USAF Future Training

- Establish DMO/Simulation flight equivalency to satisfy Ready Aircrew Program (RAP) / Aircrew semi-annual training requirements
- Where can virtual training satisfy live-fly requirements
- Commercial simulator usage efficiencies/availability
  - Are these efficiencies transferable for USAF ops?
- Use HiFi training for experienced aviator credit

