

Headquarters U.S. Air Force

Integrity - Service - Excellence

DISTRIBUTED MISSION OPERATIONS (DMO)



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**Lt Col Sam Lightfoot
HQ USAF/AF/A3O-AT
12 May 2009**



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Overview

- **A3O-AT – Who We Are**
- **Current DMO Status**
- **DMO Highlights**
- **Way-Ahead for Air Force DMO-LVC**



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Mission and Capabilities

- **Mission: Establish policy for management, production, distribution & training of officer & enlisted aircrew**
- **Programs and oversee execution of the USAF flying hour program and aviation resource management**
- **USAF exec agent for OSD-directed Training Transformation (T2)**
- **Provide oversight of USAF/Joint exercise programs**
- **Lead agency for USAF Distributed Mission Operations (DMO)**
 - **Define/consolidate the Warfighter readiness training requirements & simulator policy**



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DMO – An Ops Perspective

- **What it is:**
 - **A readiness initiative networking flight and mission trainers (virtual simulators) to enable training/mission rehearsal at the individual/team/large force training levels**
- **Integrated into all USAF warfighter training way-aheads...CAF, MAF, SOF, & SPACE to include ANG and AFRC units**
- **Two-levels of training desired:**
 - **Large-team, large force virtual events such as Virtual Flag and Warfighter Focused Events (WFEs) conducted via the DMOC**
 - **Individual and small-team training (upgrade and initial qual events) done locally or via a link through the DMO Network and the ANG's DTOC**
 - **This is the fastest growing segment of DMO**



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Current Status Funding Priority

- **AF Corporate Structure strategies include DMO**
 - **Good News: DMO offers some relief to the funding equation for FY10 & beyond**
 - **Bad News: Force structure adjustments can change faster than DMO beddown strategies can absorb**

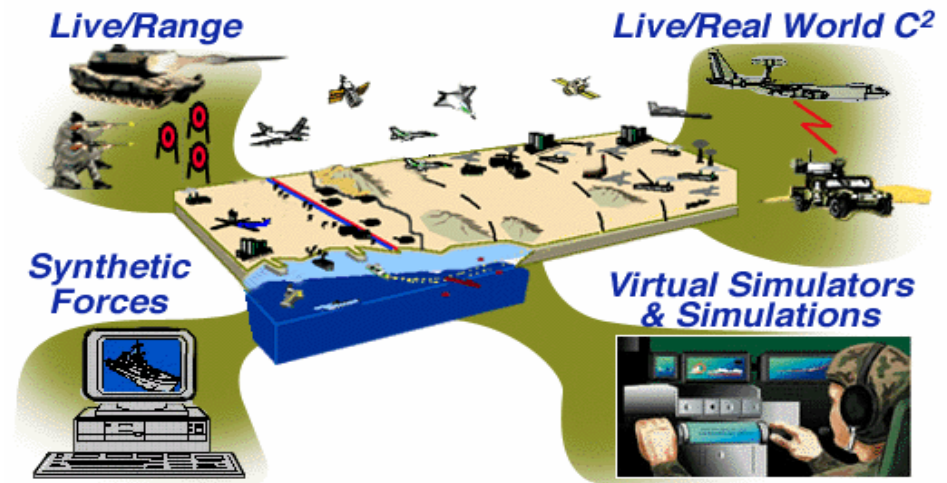
AF A3/5 goal: Access to high-fidelity simulators for every operational flying unit (DMO-capable)



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Current Status DMO-LVC

- DMO-LVC, live-virtual-constructive training has morphed into a stand-alone category for warfighter readiness



- DMO-LVC allows more training options
 - Added realism during range missions and hands-free White Force inputs during training

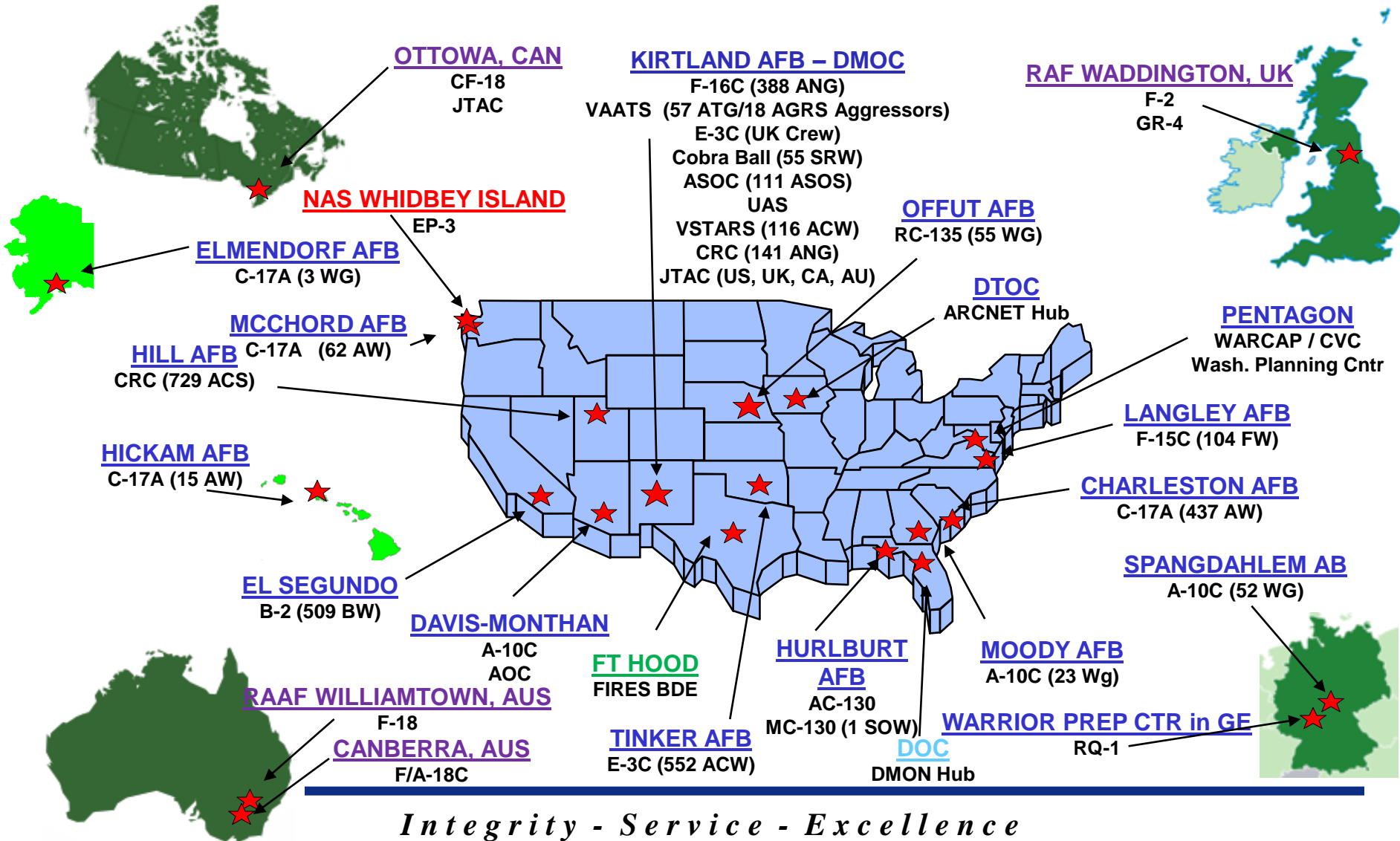


- **Coalition VIRTUAL FLAG 09-4:**
 - **First VIRTUAL FLAG that will connect coalition training systems ...Australia, Britain, Canada & America (ABCA Nations)**
 - **16-25 Sep 2009**
 - **Networked via the JTEN to the DMOC**
 - **Coalition CAOC at Davis Monthan AFB**
 - **All four nations will use JTAC facility @ DMOC to control CAS missions**
 - **RAF AWACS crew operating from E-3 consoles at the DMOC**



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CVF 09-4 Players 16-25 Sep 2009



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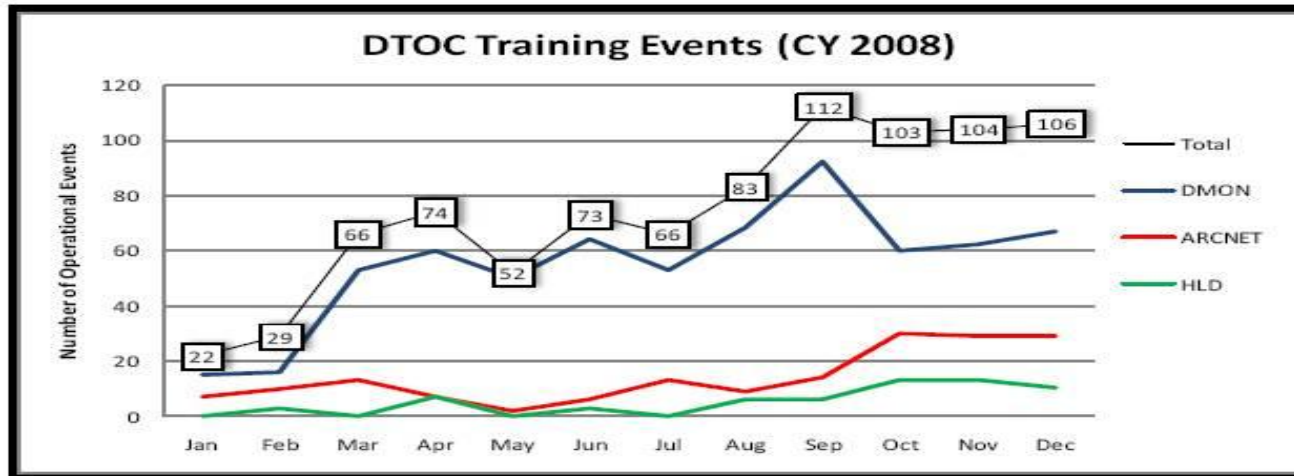
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DMO Highlights CVF 09-4 Cont.

- **Challenges: CVF 09-4 will establish several precedents for future coalition connectivity**
 - **Network security approvals, weapon system data disclosure ROEs, connectivity, ITAR Exemptions....but, several hurdles still to jump prior to STARTEX**



- **ARC: Five-fold increase in small team & networked readiness training via the ANG's Distributed Training Operations Center (DTOC)**
 - **Flexible scheduling and on-site White Force cadre satisfies C2ISR, JTAC, and individual pilot readiness and upgrade training reqs**





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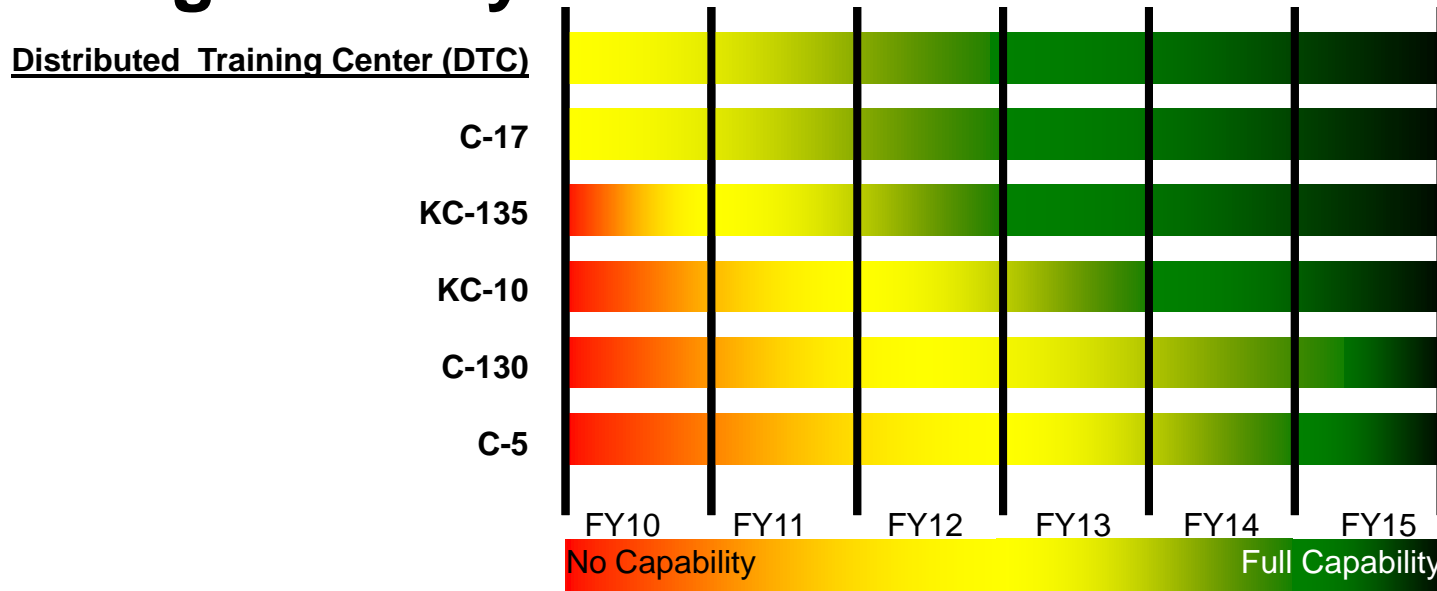
DMO Highlights Project Alpine III

- USAFWC: “Project Alpine III” underway to insert synthetic threats, targets, information via a modified OFP into a 422 TES F-15E
 - Modifying a jet’s OFP viewed as the necessary step to achieve true LVC
 - Way-ahead calls for LVC entities to feed F-22s/F-35s with air and ground threats & targets





- MAF presents the best BCA for DMO
 - Savings in FHs and energy, with realistic training scenarios
 - Cleanest example of replacing live-fly with high-fidelity simulation





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DMO Way-Ahead

- **DMO-LVC development will be critical for 5th Generation training, integrating IW, SPACE, and CYBER into DMO, and for range integration**
- **The potentially huge price tag for DMO-LVC mandates that we pursue only those efforts with the best ROI, or those efforts offering readiness training unavailable via other methods**
- **Security issues/foreign disclosure issues will remain major challenges to expanding DMO beyond AF blue-suit connections**



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USAF DMO

QUESTIONS?