



Air National Guard Distributed Training Operations Center

Colonel Brock Strom

Director, Air and Space Operations

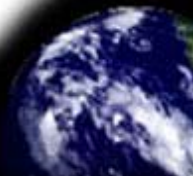
ANG Simulator Program Executive

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Briefing Overview



- **Organizational Overview**
- **Unique ANG Requirements**
- **Current Training System Programs**
- **Projected Future Training System Programs**
- **Challenges to Industry**

The DTOC – A DMO Force Enabler!



Organizational Overview



- **ANG Distributed Mission Operations (DMO) program comes under Directorate for Air and Space Operations**
 - **Action Officer is Mr. Ron Kornreich**
- **Other key node is Distributed Training Operations Center or DTOC, located in Des Moines, Iowa**
 - **Directed by LtCol Alan Huey**

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Organizational Overview



- **ANG DMO Program conceptualized in 2001**
 - Reaction to lack of DMO training for combat air forces *and*
 - High cost to participate in active duty Air Force Program
- **Envisioned to be an 80% solution at 20% of the cost**

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Organizational Overview



- **ANG is not funded for system acquisition**
 - **Known as an “Operations and Maintenance Command” or “User Command”**
 - **We maintain what we have, but are not generally funded to field new major systems**
 - **Accomplishments to date have been on a shoestring budget**

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Guard Requirements



Why a Separate Air National Guard Program?

- **Driven by limited infrastructure at units**
- **Seven day operational support (UTA Drills, weekends & nights)**
- **Capability for remote pilot SME instruction**
- **Capability to remotely support on-call CLS**

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Guard Requirements



Why a Separate Air National Guard Program?

- Multi unit (flying & C2) event scheduling
- Centralized long haul network management
- Air Force contract not flexible enough for ANG needs

Ops Tailored to ANG Requirements

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Current DMO Program



- **A-10 Full Combat Mission Trainers**
- **Distributed Training Operations Center (DTOC)**
- **Mission Training Engineering Center (MTEC)**

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Current DMO Program



- **A-10 Full Combat Mission Trainers**
 - **Currently being upgraded to full field of view**
 - **Currently on line at Boise, Bradley, and Battle Creek, 3 AFRC sites and Active Duty sites**
 - **One on order for FY 2005 delivery**

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Current DMO Program



- **Distributed Training Operations Center (DTOC)**
 - **Network Control Center**
 - **Master Portal management (with NG)**
 - **Event / Aircrew Scheduling**
 - **White Cell and Red Air insertion**
 - **Remote Maintenance**
 - **Remote Instruction**

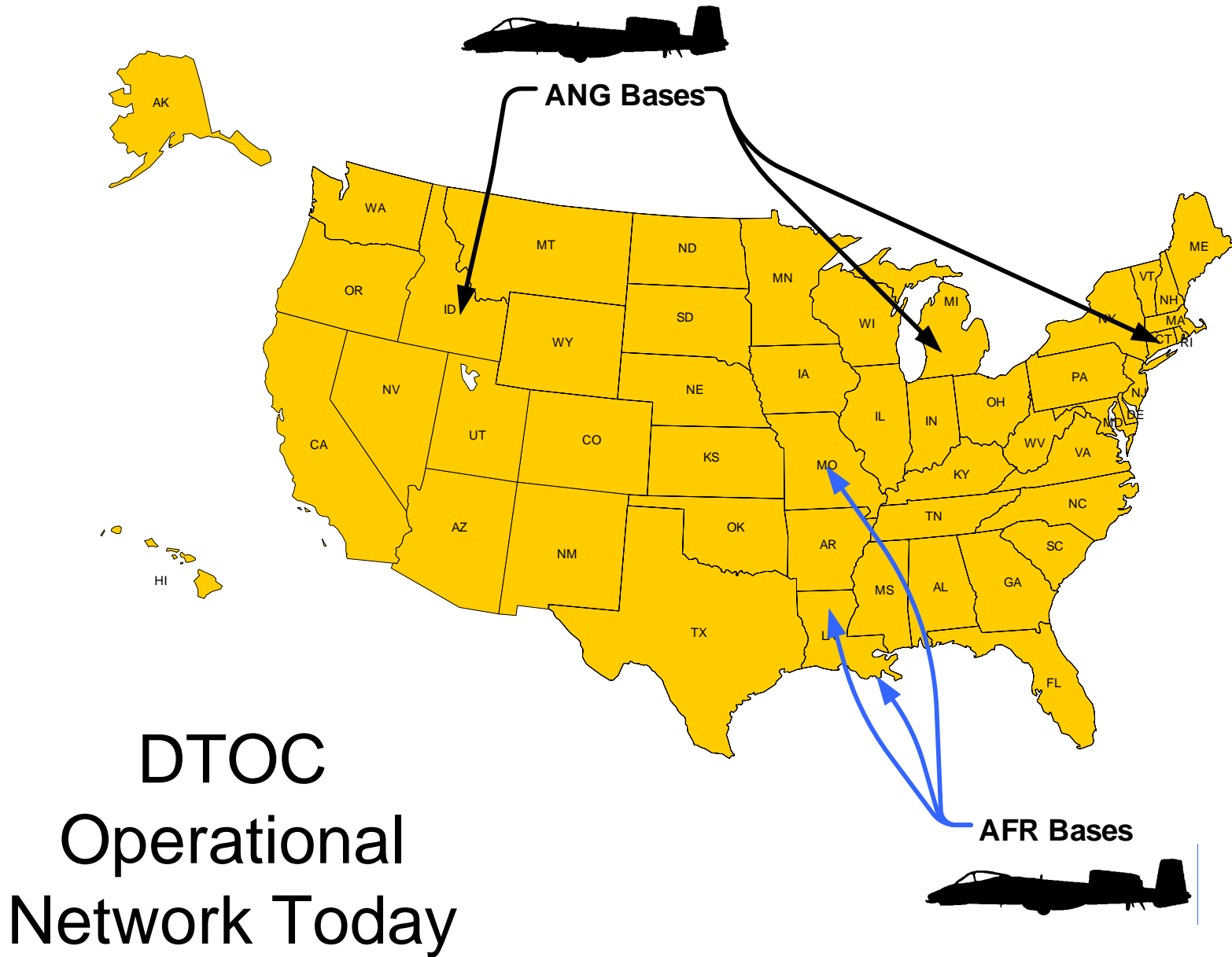
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DTOC Event Control Center



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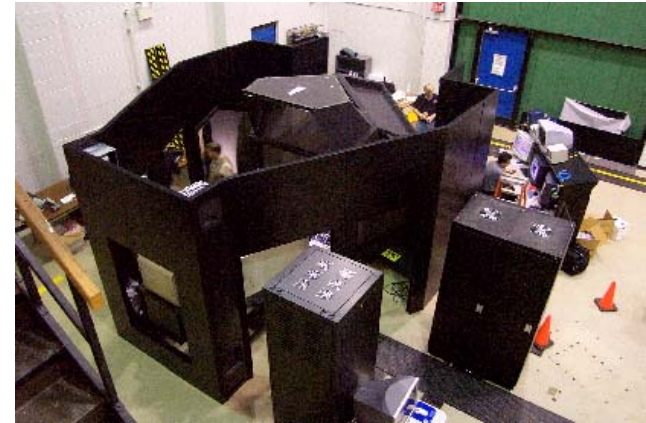
**DTOC Additional
Nodes in
Six Months**



Current DMO Program



- **Mission Training Engineering Center (MTEC)**
 - **ANG & AFRC Funded**
 - **Technology Transitions**
 - **Systems Integration**
 - **Technology Innovations and Insertions**
 - **Co-located With AFRL/HEA**



Focus Is On GOTS/COTS Low Cost Development

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Projected Future Training System Programs



- **ANG DMO Program is a building block approach**
- **Start with A-10s and CASNET**
- **Build out DMO infrastructure with compatible networkable devices that are affordable and provide effective training.**

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Projected Future Training System Programs



- **Areas of Concentration:**
 - **A-10C FMT**
 - **Command and Control Integration into DMO**
 - **F-16 Block 30**
 - **KC-135 E/R left seat flight crew**
 - **KC-135 E/R boom operator**
 - **C-130 E/H left seat flight crew**
 - **Virtual Aggressor**
 - **HH-60G Block 152D**

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Challenges to Industry



Item	A-10C FMT follow-on procurement and sustainment (RFP published)
Quantity	6 devices
Est. Price/Unit	\$3M per device
Need Date	1 device in FY 2006 Remaining stepped FY 07-09

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Challenges to Industry



Item	F-16 Block 30 Full Combat Mission Trainers - Unit level, must fit stringent space requirements
Quantity	2- Four ship regional devices 20 – Two ship unit devices
Est. Price/Unit	\$6M per device
Need Date	12 devices in FY 2006 Remaining stepped FY 07-09

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Challenges to Industry



Item	KC-135 Left Seat Part Task Trainer
Quantity	20 devices
Est. Price/Unit	\$50K per device
Need Date	6 devices in FY 2005 6 in FY 2006, 8 in FY 2007

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Challenges to Industry



Item	KC-135 Boom Operator Training System
Quantity	1 device for the DTOC; 19 devices to field units
Est. Price/Unit	\$50K per device
Need Date	12 devices in FY 2006 Remaining stepped FY 07-09

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Challenges to Industry



Item	Virtual Aggressor reconfigurable cockpit
Quantity	4 devices
Est. Price/Unit	\$1.9M per device
Need Date	2 in FY 2005 2 in FY 2006

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Challenges to Industry



Item	HH-60 high fidelity, non motion cockpit and cabin
Quantity	4 devices 1 at MTEC and 3 at field units
Est. Price/Unit	\$8M per device
Need Date	1 Device in FY 2006 Remaining 3 in FY 2007

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Challenges to Industry



Item	C-130 Left Seat Part Task Trainer
Quantity	25 devices
Est. Price/Unit	\$50K per device
Need Date	10 devices in FY 2006 5 each in FY 07-09

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Challenges to Industry



Item	TACP simulator, similar to JTAGS but lower fidelity
Quantity	2 for DTOC simulation enhancements
Est. Price/Unit	\$200K per device
Need Date	1 Device in FY 2006 1 Device in FY 2007

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QUESTIONS?



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