Distributed Mission Operations Center – Space (DMOC-S)

AF M&S Conference

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Overview

- DMOC-S
- Space DMO-S
- Vision
- Requirements Process
- Key Customer Organizations
- Planning & Operations Support
- Summary

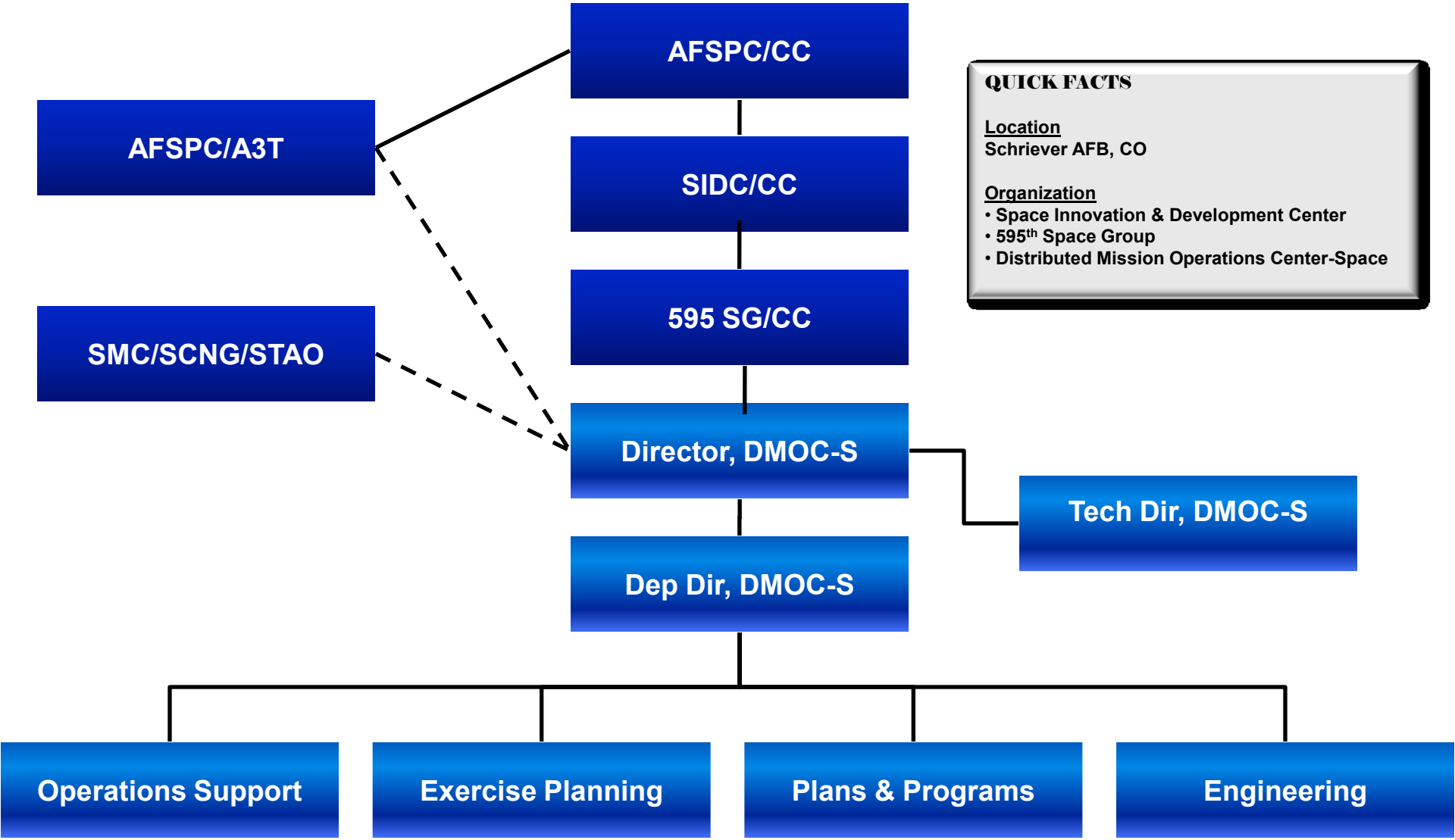
DMO Center for Space (DMOC-S)

Chartered in 2004 by Gen Lord as the focal point to develop, schedule and execute all DMO-Space advanced training, exercise and mission rehearsal activity to immerse the *WARFIGHTER* in a realistic battlespace environment using an LVC construct

<u>Mission Statement</u>

Provide a definitive and realistic Live-Virtual-Constructive (LVC) environment to validate warfighter space and cyber capabilities through advanced training, exercises and mission rehearsal.

Organizational Structure



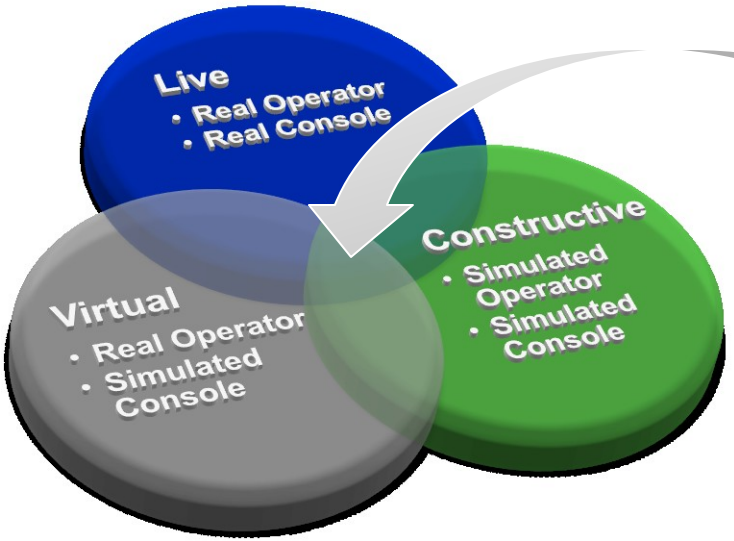
QUICK FACTS

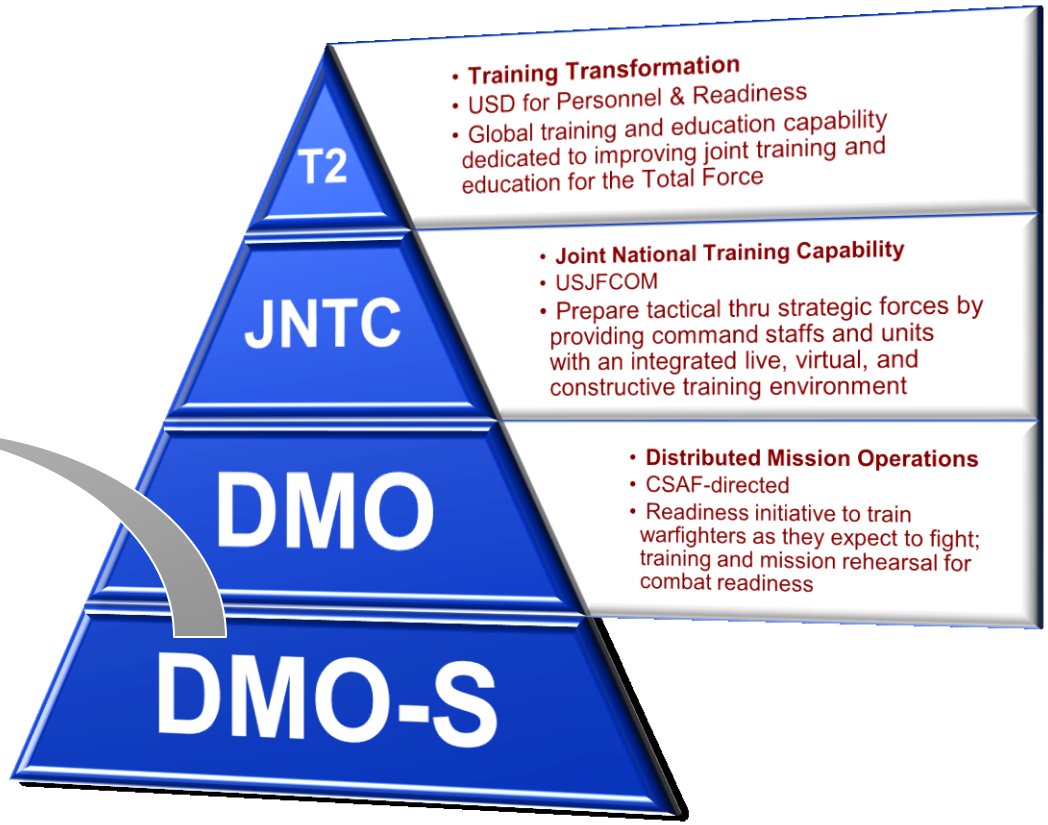
Location
Schriever AFB, CO

Organization
- Space Innovation & Development Center
- 595th Space Group
- Distributed Mission Operations Center-Space

Distributed Mission Operations - Space (DMO-S)

- Delivers a realistic *space* battlefield to warfighters in a fully integrated Live, Virtual Constructive environment
  - Realistic systems
  - Accurate scenarios
  - Distributed architecture

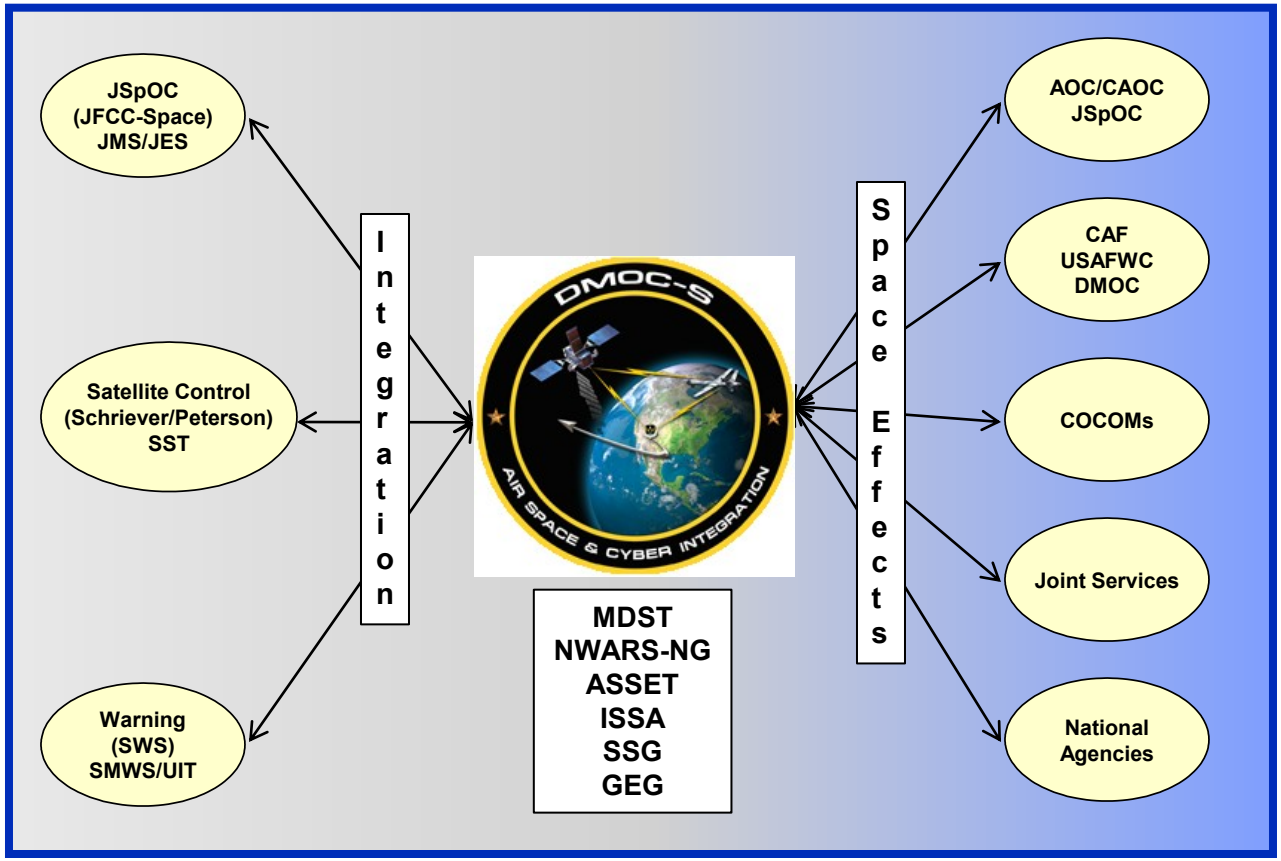




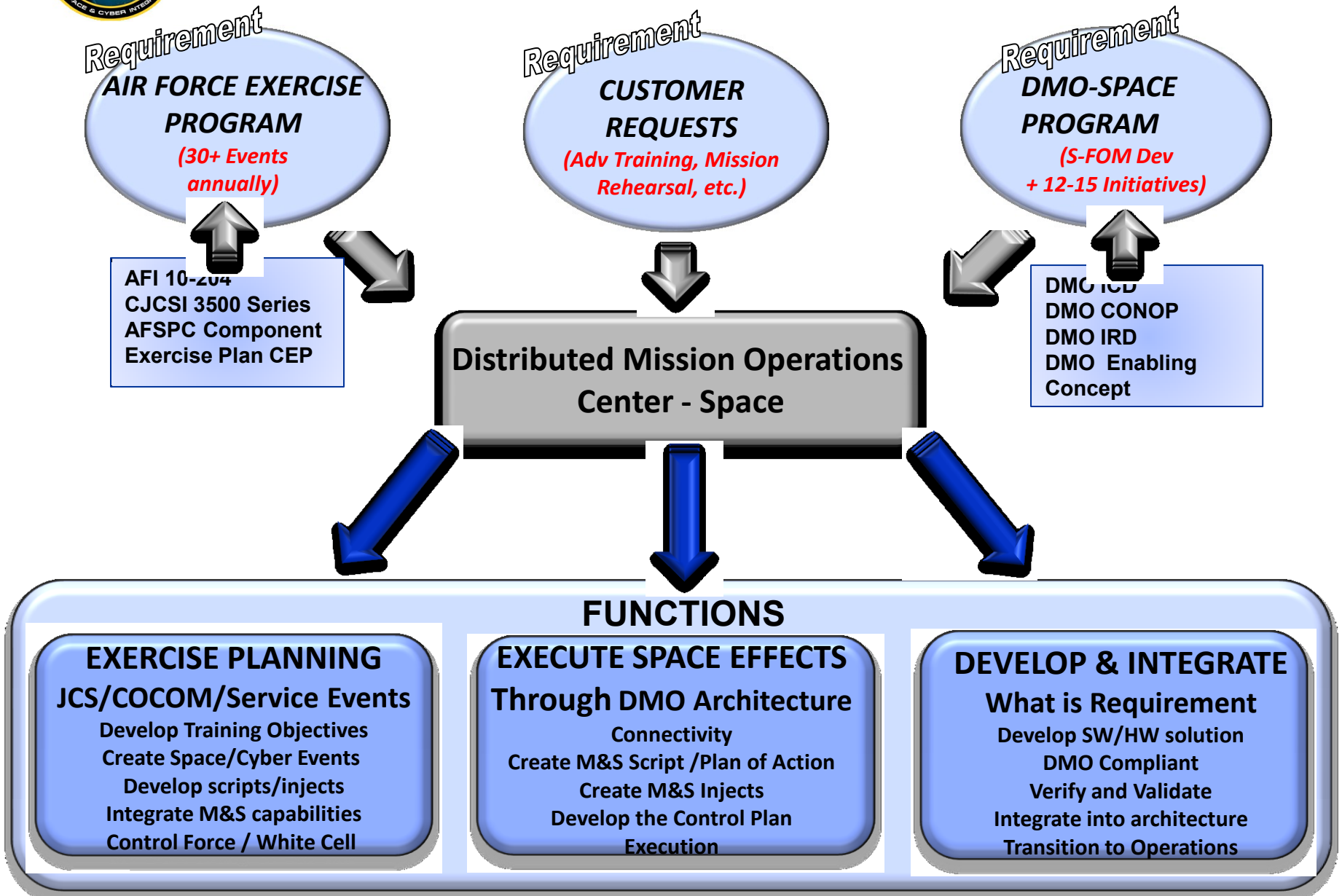
DMOC-S Vision

Vision Statement

To be the premier space exercise support team, exceeding user requirements to provide high-value, innovative, accurate space and cyberspace events in advanced training, exercises, experiments and mission rehearsal.



DMOC-S is Requirements-Driven



Key DMOC-S Customers

AFSPC Operational Units
Joint Space Ops Center (JSpOC)
Combined Air Force Ops Centers (CAOC)
Air and Space Ops Centers (AOC)
Combat Air Forces (CAF)
USAF Weapons School
Air Force Warfare Center
Air Combat Command (ACC)
National Level Event Exercises
Air Force Agency for Modeling & Simulation (AFAMS)
Joint Federation counter parts
Combat Search & Rescue (CSAR) Units
Geographic Combatant Commanders
US Strategic Command
USCYBERCOM

Exercise Planning and Operations Support

Exercises

- Ardent Sentry (NORAD/NORTHCOM)
- Austere Challenge (EUCOM)
- Black Demon (USAF)
- Blue Flag (ACC)
- Bulwark Defender (STRAT)
- Global Lightning (STRAT)
- Global Thunder (STRAT)
- Key Resolve (USFK)
- Nat'l Level Exercise (CJCS)
- Red Flag / Red Flag Alaska (ACC)
- Schriever Wargame (AFSPC)
- Space Scrimmage (AFSPC)
- Terminal Fury (PACOM)
- Ulchi Freedom Guardian (USFK)
- Vigilant Shield (NORTHCOM)
- Virtual Flag (ACC)
- WS Mission Employment (USAFWC)

Test Support

- ASCCE
- ACE
- JEFX
- TENCAP Test Bed
- Secure voice/data to cockpit

Advanced Training

- ISSA v5.0
- AEF Augmentee/Space-Weapons Officers
- Rapid Tiger
- ASOPS Course Support
- PDS-M

AFSPC Component Exercise Plan (CEP)

CJCSI 3500.01E

AFSPC/A3T

USSTRATCOM

USAF Program Action Directive 07-13

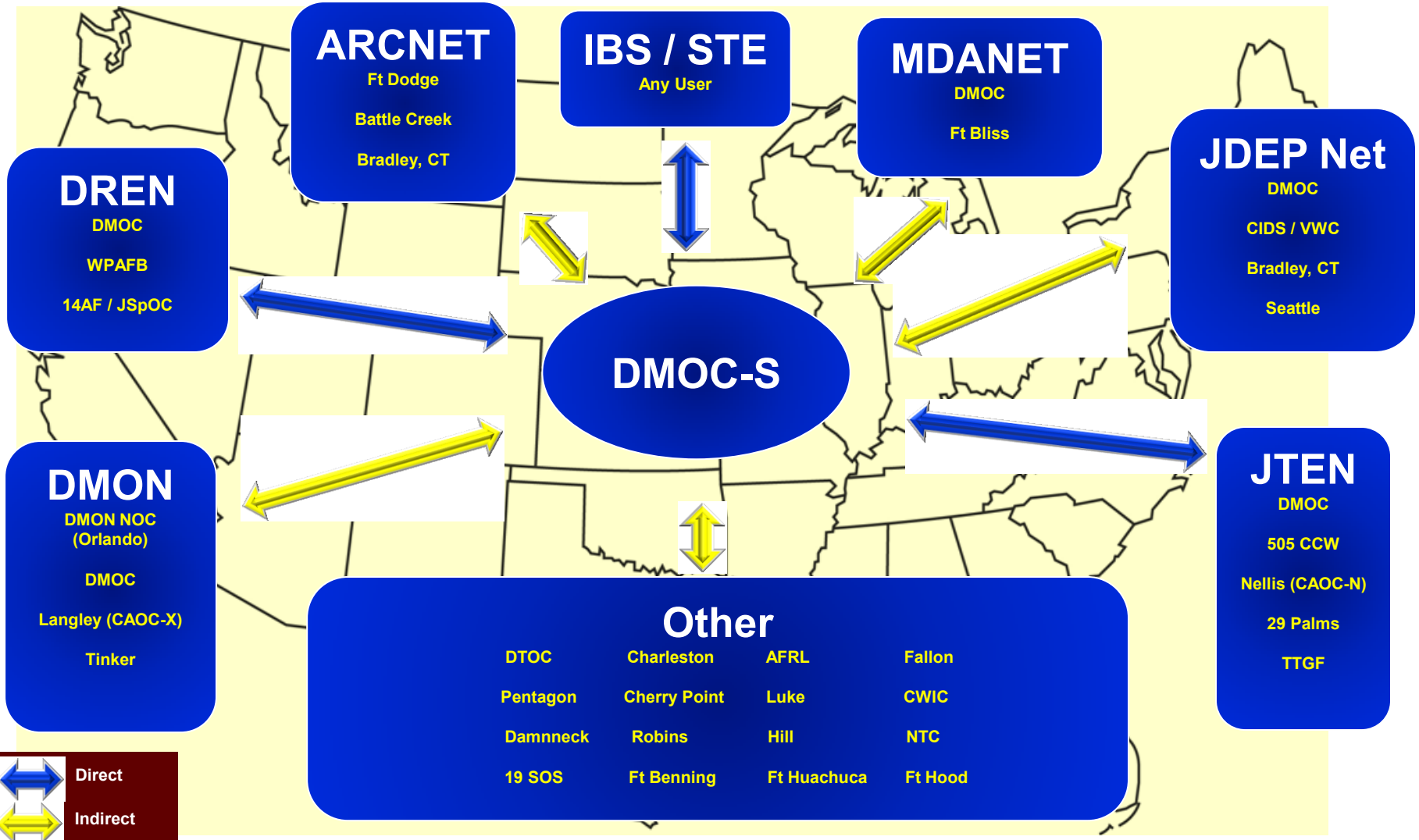
AFRL

SIDC/ID

Word-of-Mouth and Reputation

Etc.

Operations – Data Connectivity



Event Execution

Exercise Control / White Cell

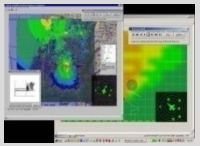
Theater Ballistic Missile (TBM) Warning

IR Special Events

Air and Ground Threats

Combat Search and Rescue

Blue Force Tracking



Navigational Accuracy and Timing

Space Situational Awareness

Tools

ASSET
GIANT
ISSA
MDST
NWARS-NG
SMWS
GEG
SSG

Displays

C2PC
Falcon View
Gale Light
GCCS-J
PDS-M
SISP (SBMCS)
VBMS

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Questions?