



Civil Air Patrol Missions

Emergency Management Coordinators Briefing



“CAP is available to assist federal, state and local authorities in performing various reconnaissance, emergency services, disaster relief and homeland security missions. With ever expanding mission sets, CAP as the AF Auxiliary, plays an integral role in the defense of our country. From providing support during Operation Noble Eagle training sorties to coordinating with our Federal partners, the AF Aux has direct impact on the safety of our nation's citizens. The AF Auxiliary is a force multiplier and plays a large part in the success of the AFNORTH mission. I continue to be amazed at the true professionalism and dedication of the CAP volunteers -- from the senior leaders down to the cadets, the service provided to the USAF is outstanding.”

**Maj Gen Garry Dean
AFNORTH/CC**



“I encourage all Air Force leaders who deal with contingency actions to take a close look at CAP augmentation during operations. Their skill set and capabilities are a smart addition to a commander’s overall toolkit. You’ll certainly find CAP is a value-added partner.”

**Lt Col Keith Kenne
Former Deputy Commander
14th Mission Support Group
Columbus AFB, MS**



Overview



- **History/Charter**
- **Organization/Resources**
- **Operational Missions**
- **Advanced Technology Tools**
- **Mission Request Process**





History



1941: CAP Established Dec 1st

1943: Transferred to War Department

1946: Incorporated (PL 476)

**1948: Auxiliary of the United States
Air Force (PL 557)**

**Performing Missions
for America for over
68 years**

**CAP is a federally chartered nonprofit corporation
CAP is also the official Auxiliary of the Air Force**

First National Board Chairman: Gen "Tooey" Spaatz

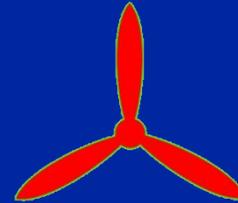




Congressional Charter



Emergency Services



**SAR/DR
Homeland Security
Drug Interdiction
Humanitarian Services
AFROTC Flights
AFJROTC Flights**



Cadet Programs

**Leadership
Character Development
Aerospace Education
Physical Fitness**

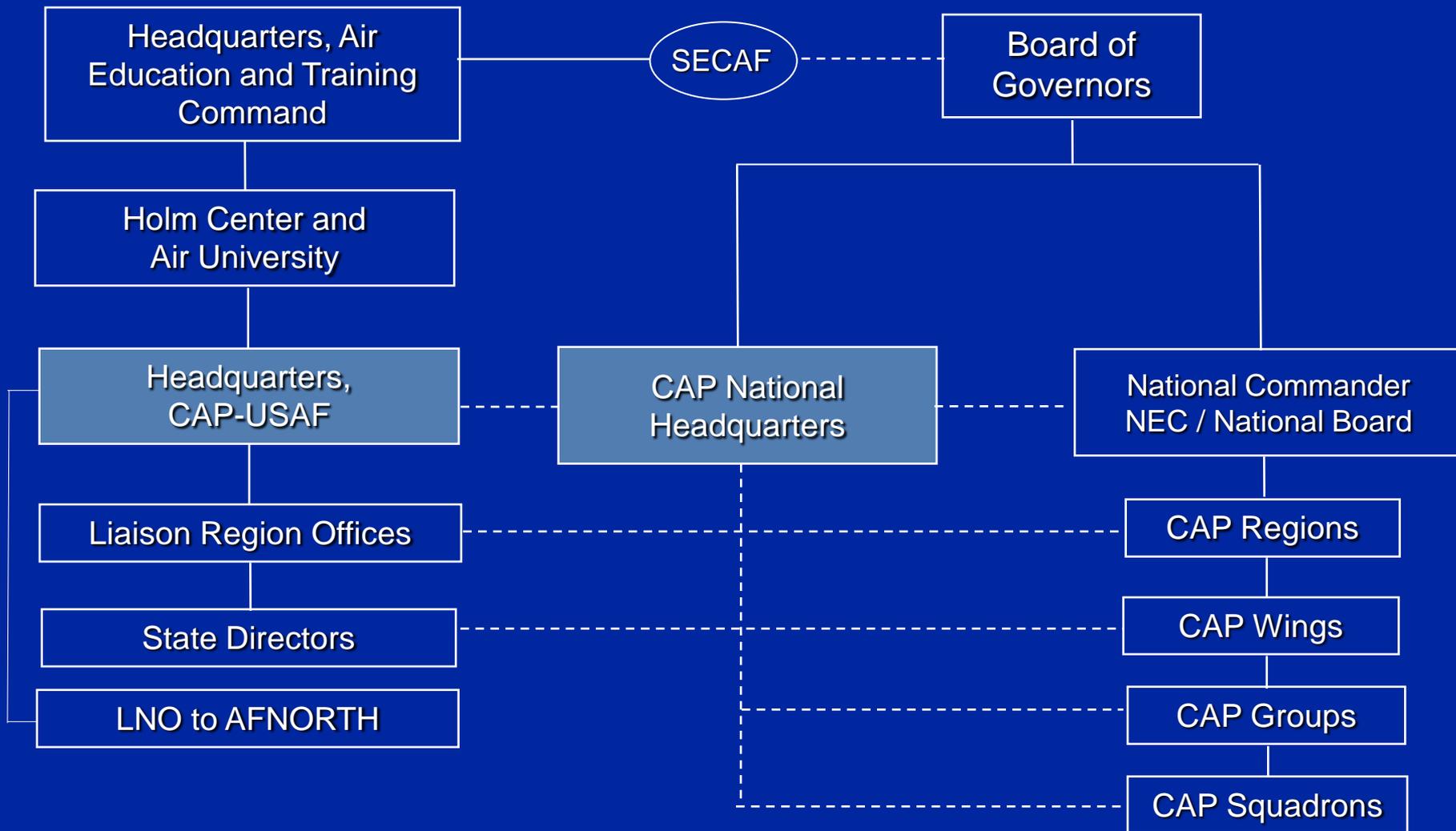


Aerospace Education

**CAP Members
AE Members
General Public**

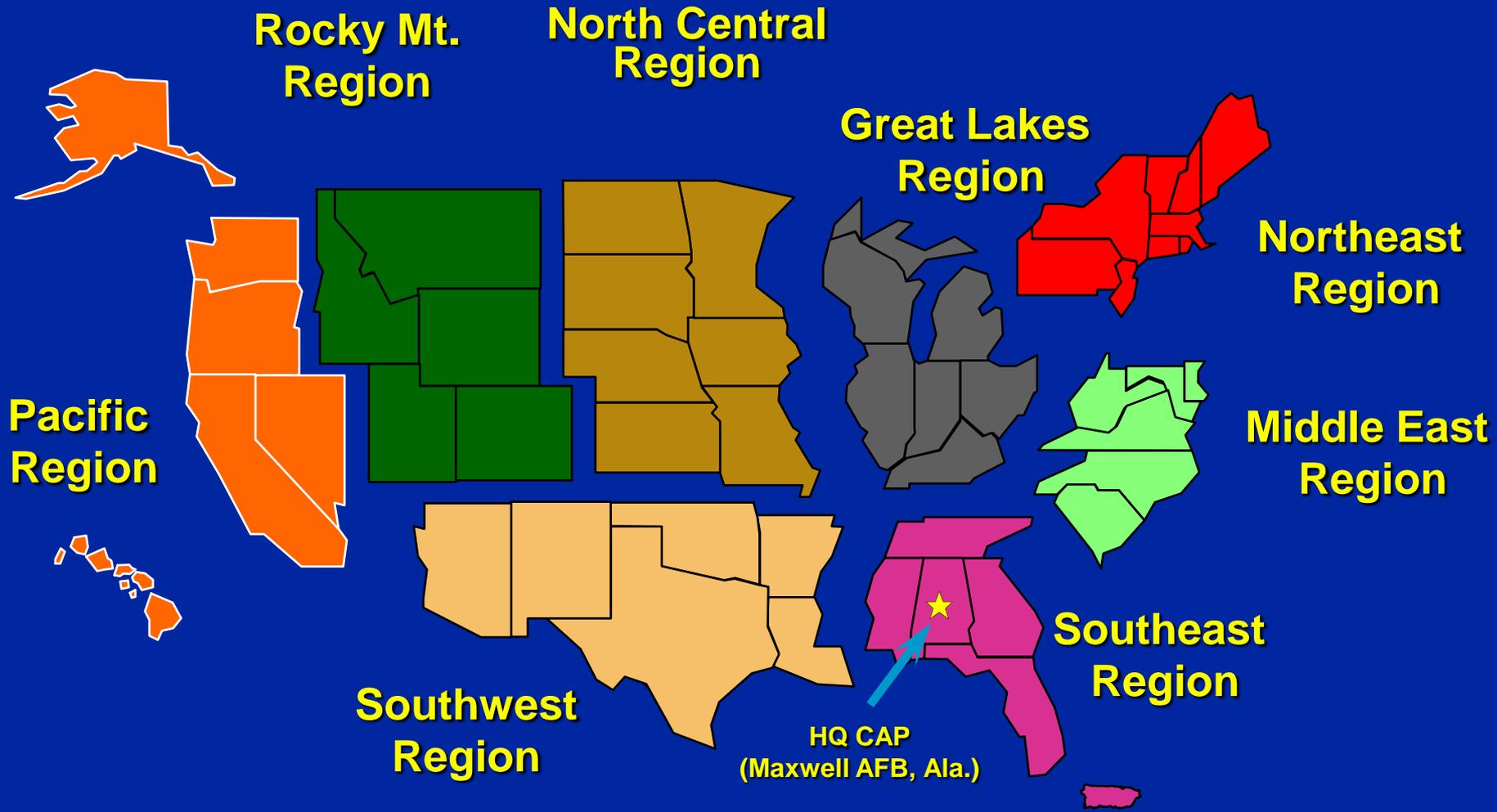


Organizational Structure



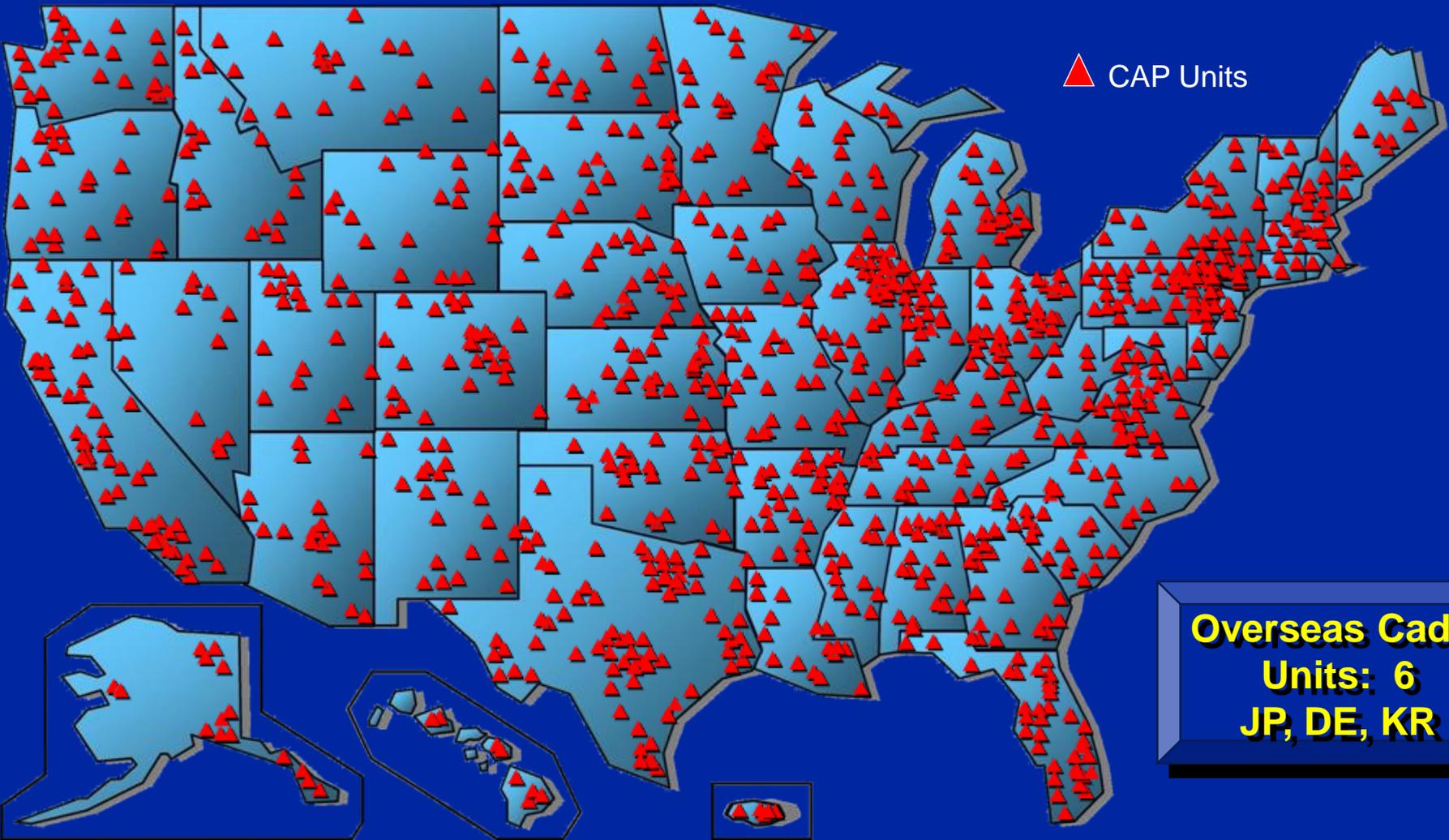


CAP & CAP-USAF Regions





CAP Presence



**Overseas Cadet
Units: 6
JP, DE, KR**

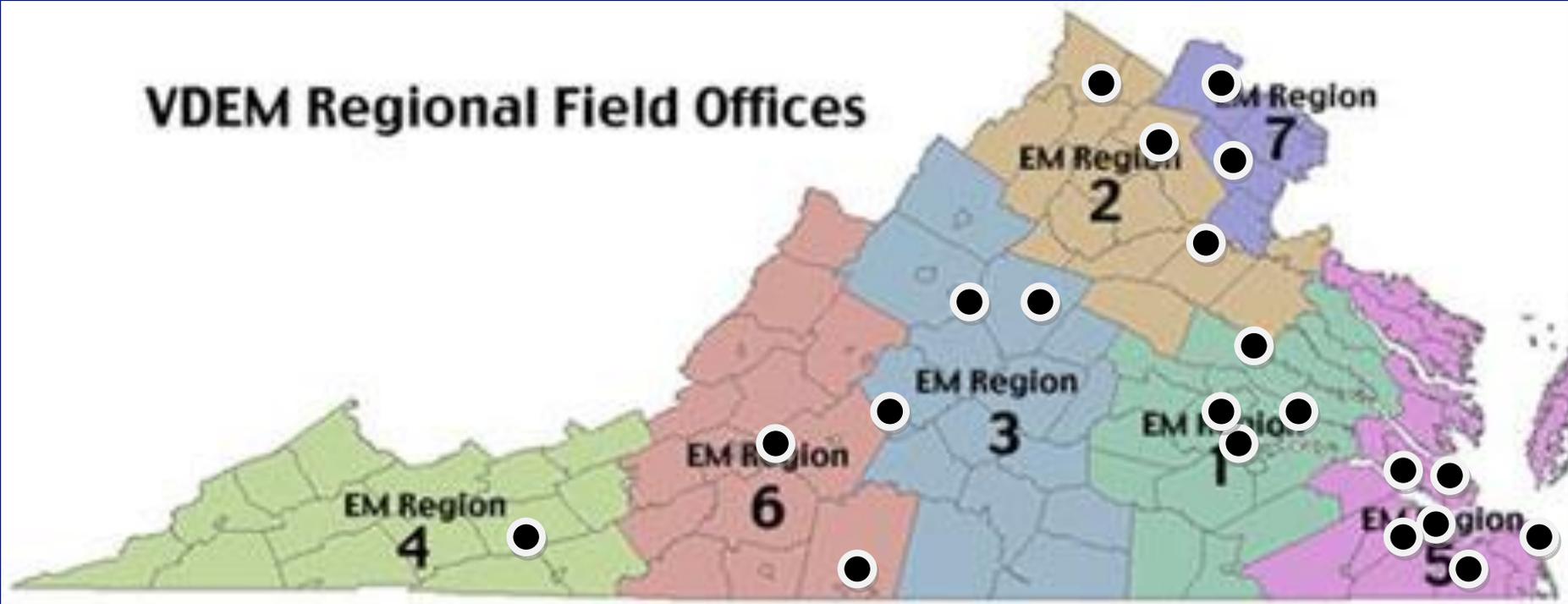


CAP Presence in Virginia

22 Units state wide



VDEM Regional Field Offices





CAP Resources



**915
Vehicles**

**3,100 Portable
Radios**

**2,000 Fixed
Land Radios**

61,383 Members

35,048 Adults

26,335 Cadets

**550 Aircraft
&
42 Gliders**

**4,575
Mobile Radios**





Resources in Virginia



**26
Vehicles**

**11 Aircraft
&
1 Glider**

**1,7500
917 Adults
833 Cadets**

**126 Portable
Radios**

**26 Fixed
Land Radios**

**29
Mobile Radios**





Platforms



Gippsland GA-8 (16)

Cruise speed 110-135 kts

Range 520-730 NM



Cessna 206 (20)



Cessna 182 (286)

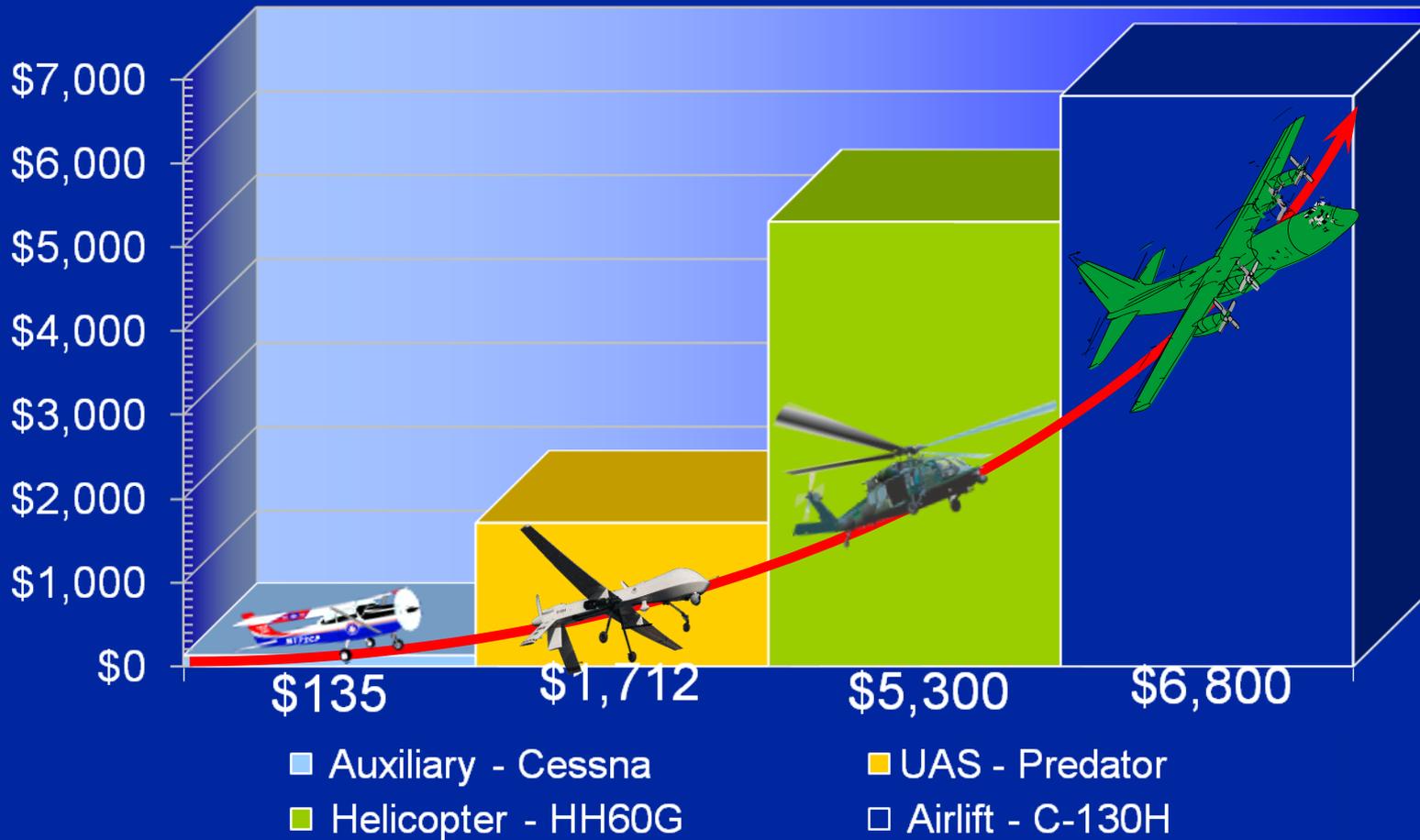
**Can operate with 2500' runway
VHF AM and FM radio
100 aircraft have satellite phones**



Cessna 172 (201)



Cost-effective Force Multiplier



Notes: Chart shows average cost per flying hour
CAP normally receives agency mission funding via a MIPR



Operational Missions



- **AFAux/CAP's area of responsibility (AOR) is border-to-border and coast-to-coast within the CONUS, plus Alaska, Hawaii, Puerto Rico, and the U.S. Virgin Islands**
- **CAP may only support Federal agencies in its capacity as the AFAux/CAP**
- **AF Component Commanders task AFAux/CAP**
- **AFAux/CAP flies 60-80% of 1 AF/AFNORTH's daily sorties**
- **AFAux/CAP flew over 83,000 hours of AF assigned missions in FY10**



Support Available



- **Airborne Reconnaissance**
- **Intercept Training**
- **Communications Support**
- **Chaplain Services**
- **Low level route surveys**
- **Drop tank and debris recovery**
- **AF Thunderbird pre-show aerial surveys**
- **Traumatic Stress Response Team Support**
- **Off/on-station cordon support & crowd control**
- **Shelter Management**
- **Base Exercise Evaluation Team support**



Typical Missions



CAP credited with saving 113 lives in FY10!

Multiple wings – Hurricane, tornado and flood damage assessment for federal, state and local agencies

Multiple wings - Low level route surveys

Multiple wings - Air Defense training support

Multiple wings - Drug Interdiction

Multiple wings - Air Show support & photo surveys

National Interagency Fire Center support

FL, ME, NH, SD & TX - Fire watch

ME - Escort for new Navy ships

PA - Port of Philadelphia HLS missions

Ardent Sentry exercises

AK - USCG HLS missions

NC - Forward Air Controller training

AR, AZ, NM, OK & TX - Falcon Virgo training

CO - USAFA Aircraft vectoring training

HI - Tsunami warning training

AZ, DE & MD - Traffic monitoring missions

FL, MD, MS & NY - Coastal Safety Patrol

AR, DE, MD, SD, & WV - Bird/Animal surveys





Aerial Recon



**AF
Accident
support**





AFNORTH Exercise



SITUATION: Incident caused damage to the Kentucky Dam on the Tennessee River

REQUIREMENT: Damage assessment photos ASAP

RESULT: CAP Images delivered within hours

Post-mission imagery



Pre-mission imagery





Deepwater Horizon Response



USCG Support

- Over 2,300 hours flown during 118 continuous days
- Over 150 personnel from 10 states provided over 20,000 man hours of support
- Primary mission was taking imagery – CAP provided tens of thousands of geo-referenced photos





Deepwater Horizon Response



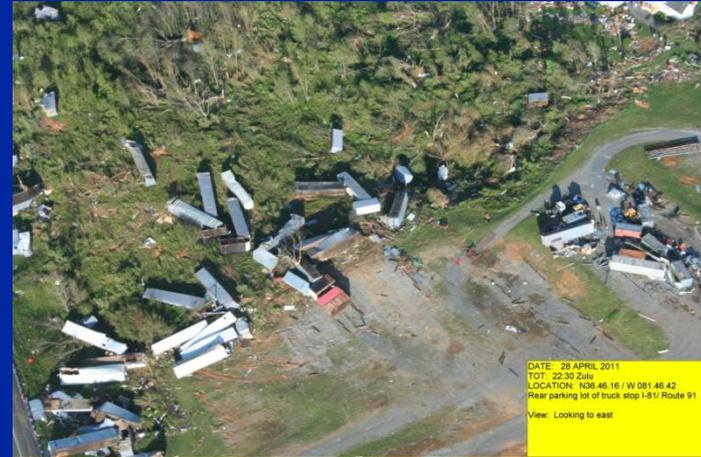
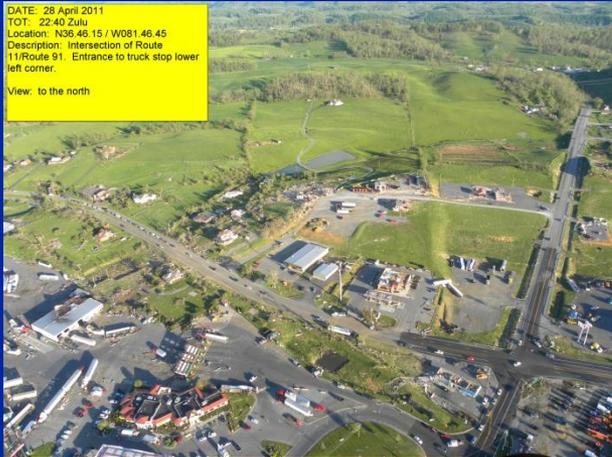


Response to Tornado 28 April 2011



U.S. AIR FORCE

DATE: 28 April 2011
TOT: 22:40 Zulu
Location: N36 45 15 / W081 46 45
Description: Intersection of Route 11/Route 91 Entrance to truck stop lower left corner.
View: to the north



DATE: 28 APRIL 2011
TOT: 22:30 Zulu
LOCATION: N36 45 16 / W 081 46 42
Near parking lot of truck stop I-81/Route 91
View: Looking east

DATE: 28 APRIL 2011
TOT: 22:30 Zulu
LOCATION: N36 46 10 / W081 46 50
Description: Exit 28 I-81 at US 11 and State Highway 91.
VIEW: North



DATE: 28 April 2011
TOT: 22:35 Zulu
LOCATION: N36 47 04 / W081 45 03
Description: Businesses off Route 11 1/2 mile east of truck stop.
VIEW: WEST





Response to Hurricane Irene



U.S. AIR FORCE





Intercept Training



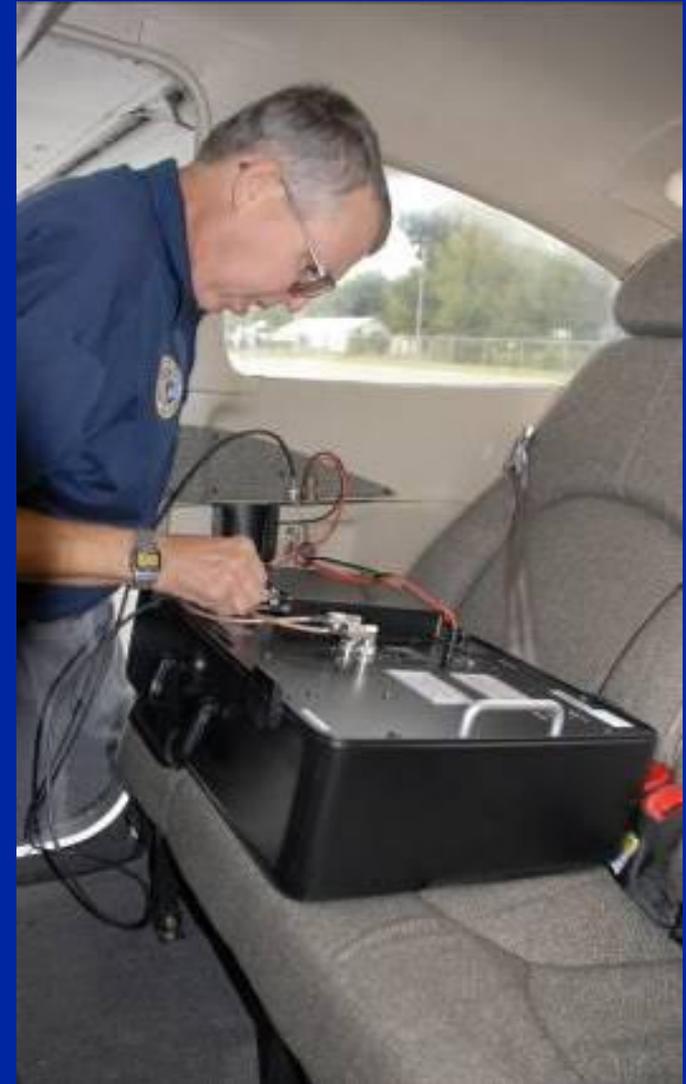
Significant changes to the AFAux/CAP mission role have occurred since 9/11



C³ Tools: Portable Repeaters



- Standardized aircraft capable of employing CAP and other airborne repeaters
- For remote mission operations where cell phone and normal radio coverage not available



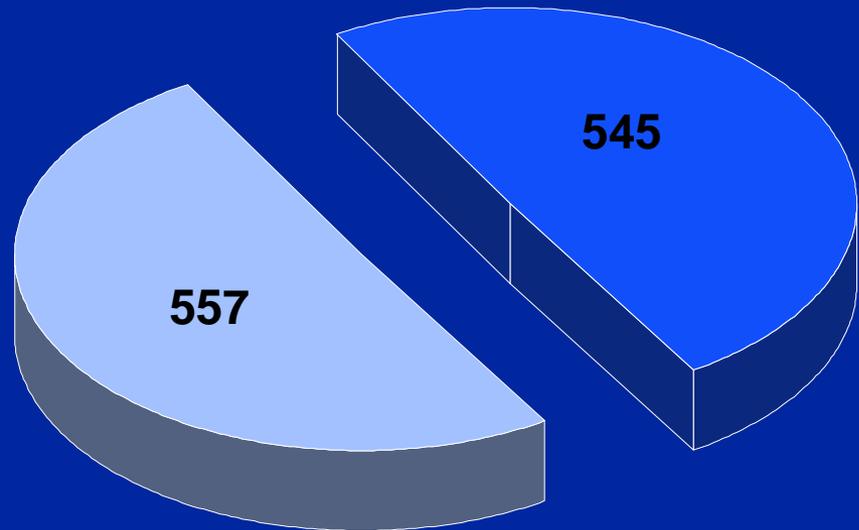


CAP Chaplains



A Partnership in Ministries

- Same appointment requirements as AF
- Provide moral leadership and character development
- Assist Air Force Chaplain Corps



■ Active Air Force
■ Civil Air Patrol



Advanced Technology



ADIS

Aerial Digital Imaging System

- Status
 - 100 systems fielded

SURROGATE PREDATOR

- Status
 - 4 systems fielded





ADIS



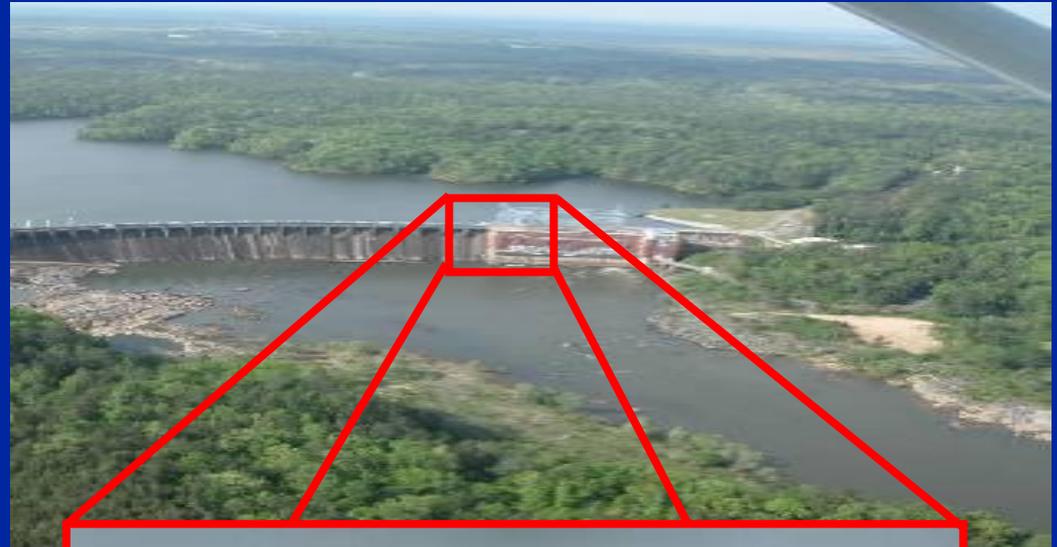
What is ADIS?

Aerial

Digital

Imaging

System





ADIS



Image attached to an e-mail and sent via satellite phone



E-mail with image sent by satellite to Globalstar Internet Gateway

Digital Photo automatically loaded into aircraft laptop



Locate the target.
Take a digital photo

Globalstar

World Wide Web



Our Customers View in WMIRS



ADIS



Technology that enables CAP to send high resolution digital imagery from CAP aircraft to anyone anywhere in the world

Images are sent as JPEG attachments via standard e-mail to multiple addresses and/or a password-protected website

Imagery is transmitted near real-time. Files take less than 2 minutes to transmit





ADIS





Surrogate Predator



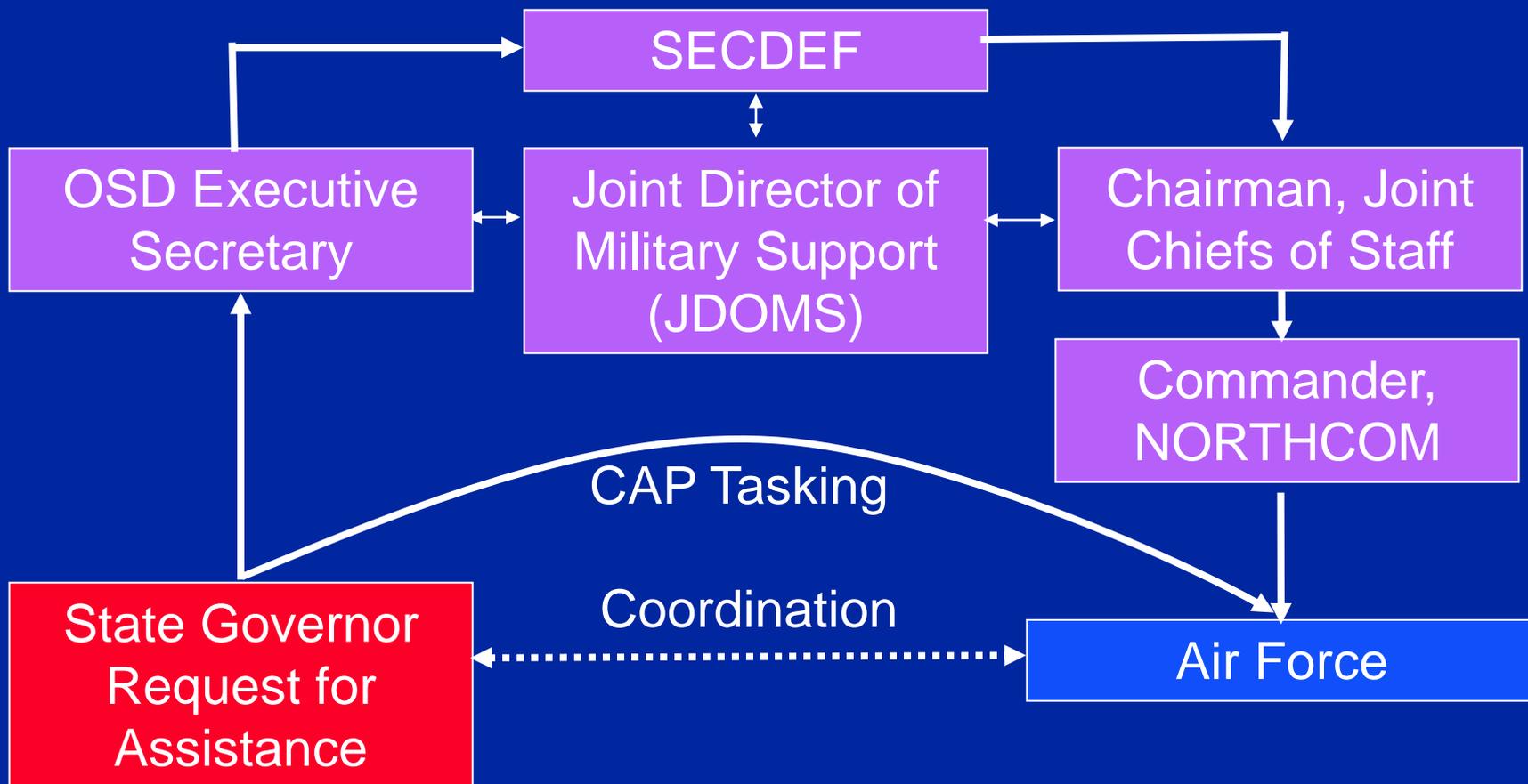
**Green Flag operations
began in LA in Oct 2009
and in NV in Jul 2010**

**Goal: Train US ground forces in
Predator ops before they deploy
to Iraq and Afghanistan**



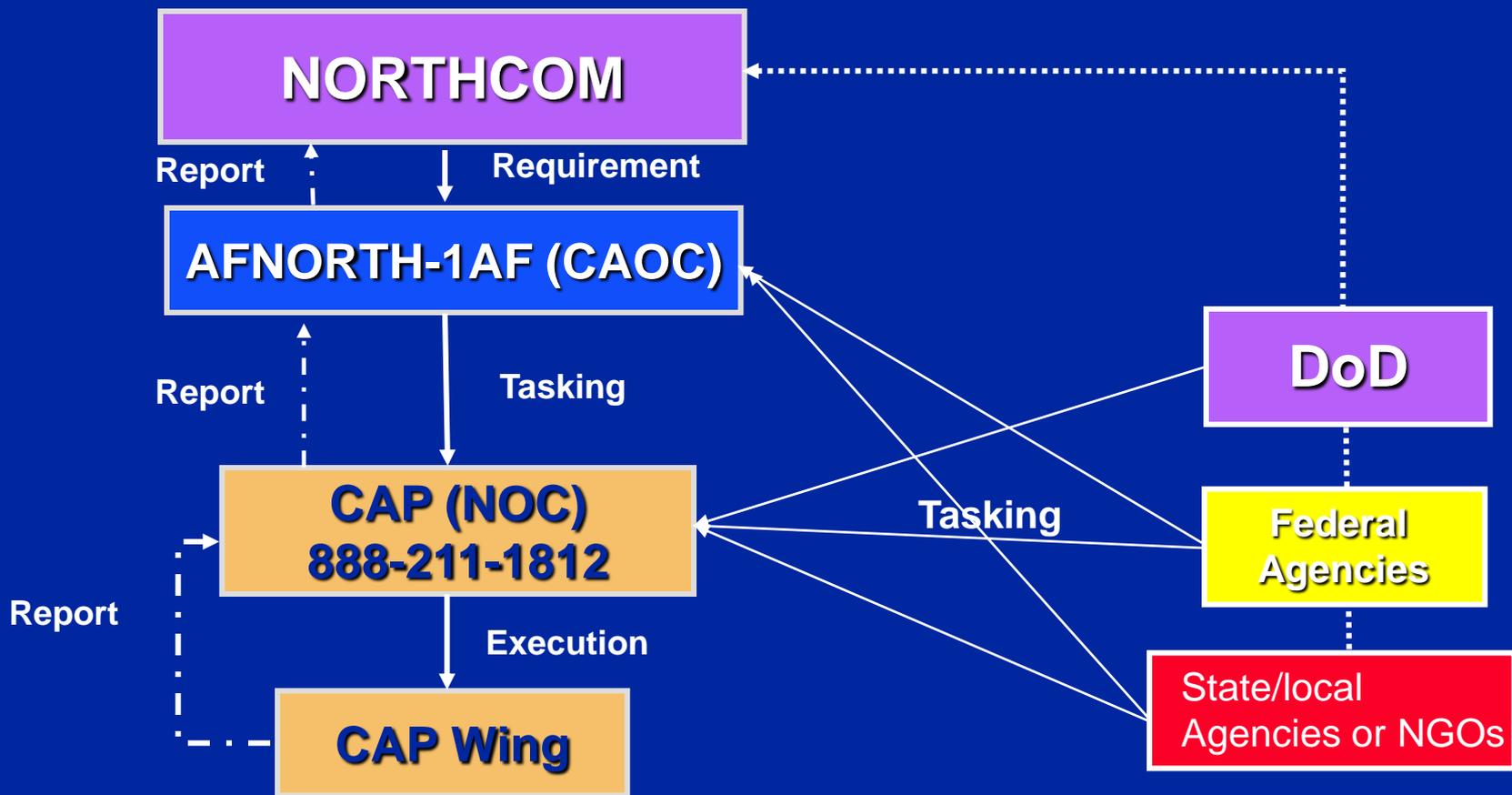


Defense Support to Civil Authorities: CAP Advantage





Request for Forces



CAP ... Remain Under Military Operational Control ...



Memorandum of Understanding



- **There is a MOU between Virginia Wing Civil Air Patrol (VACAP) and the Virginia Department of Emergency Services (VDEM)**
- **That MOU details what services VACAP will provide to VDEM and what VDEM will provide to VACAP.**
- **Recently we defined how VDEM and VACAP would interact based on local requests for services.**



Understanding the Funding



- **For CAP there are three pots of money involved in responding to a service request.**
 - **An “A’ Mission - Air Force funded. Occurs when there is a Presidential Declaration. Money flows from FEMA.**
 - **A “B” mission - State/local funding. Occurs when the state or a jurisdiction requests CAP Services. Money comes from the State or Jurisdiction.**
 - **A “C” mission - Funded by the Wing, usually done as a stop gap until Federal, State, Local monies are approved.**



How much money will it cost?



- CAP charges \$135.00 a flying hour for missions.
 - For instance: During Irene eight sorties were flown for a total cost to the state of \$1,398.03.
- That is all we charge, the flying hours.



The Request Process For a Local Emergency



- **If a local jurisdiction wants Virginia Wing CAP to respond it's resources to a local emergency:**
 - **A request is made through WEBEOC to VDEM.**
 - **The question will be asked if the jurisdiction will pay for the service.**
 - **VDEM will contact the Civil Air Patrol National Operation Center (NOC) and request a mission number.**
 - **VDEM channels the request to VAWG through ESF nine.**



The Request Process for a Local Emergency



- The NOC will advise CAP of the request and the Virginia Wing Mission Duty Officer on duty will contact the Jurisdiction for the details needed.



Immediate Response Requests



- Immediate response is appropriate when necessary to:
 - Save lives
 - Prevent human suffering
 - Mitigate great property damage under imminently serious conditions
- For an “A” mission CAP must receive authorization from the Air Component Commander or his designee to conduct an immediate response mission
- For a “ B” missions CAP must receive authorization from the CAP National Operations Center



Posse Comitatus Act



- **Cannot:**
 - **Search individuals/vehicles**
 - **Seize**
 - **Arrest**
 - **Interrogate**
 - **Direct Law Enforcement Activities**



Bottom-line



- **Civil Air Patrol is ready, willing and able to assist with routine requests or emergency situations**
- **Our volunteers are highly trained professionals who will meet your mission requirements**
- **Civil Air Patrol is a cost effective force multiplier and wants to help!**



Civil Air Patrol



Citizens Serving Communities

<http://gocivilairpatrol.com>