Clearing Up Misconceptions

- Though many planned missions last a month or longer, less than 3% of CAP’s actual missions have more than 3 sorties operating at any one time.

- Taking month long missions out of the equation, 98%+ of our missions are small and last less than 48 hours.

- 13% of our actual life saving missions never turn a prop utilizing only ground resources for SAR & DR.

- CAP only conducts 75 to 100 missions a year that are very resource intensive like our DR support and Border Mission Operations.
FY14 Missions

- Corporate: 70790.1, 78%
- Air Force Assigned Missions: 20306.5, 22%

Integrity - Service - Excellence
FY14 Air Force Missions

- DSCA & Military Support: 33,245 (46%)
- Training: 16,358 (23%)
- Cadet Orientation Flying: 7,692 (11%)
- Maintenance: 14,735 (20%)

I n t e g r i t y  -  S e r v i c e  -  E x c e l l e n c e
FY14 DSCA & Other Military Support Missions

- Counterdrug: 644, 4%
- Low Level Route Surveys: 3,088, 19%
- Air Defense Intercept: 1,921, 12%
- Surrogate Predator: 1,224, 7%
- Disaster Relief: 797, 5%
- Homeland Security: 1,289, 8%
- Range Support: 7,230, 44%
- SAR: 1,921, 12%
- FY14 DSCA & Other: 165, 1%
Average Flying Ops Tempo

Ops Tempo - % Capacity

October  November  December  January  February  March  April  May  June  July  August  September

Integrity - Service - Excellence
## What’s your aircraft status?

<table>
<thead>
<tr>
<th>Month</th>
<th>FMC</th>
<th>PMC</th>
<th>NMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>October</td>
<td>76%</td>
<td>8%</td>
<td>16%</td>
</tr>
<tr>
<td>November</td>
<td>78%</td>
<td>5%</td>
<td>17%</td>
</tr>
<tr>
<td>December</td>
<td>79%</td>
<td>6%</td>
<td>15%</td>
</tr>
<tr>
<td>January</td>
<td>78%</td>
<td>7%</td>
<td>16%</td>
</tr>
<tr>
<td>February</td>
<td>78%</td>
<td>7%</td>
<td>16%</td>
</tr>
<tr>
<td>March</td>
<td>76%</td>
<td>6%</td>
<td>18%</td>
</tr>
<tr>
<td>April</td>
<td>74%</td>
<td>7%</td>
<td>19%</td>
</tr>
<tr>
<td>May</td>
<td>75%</td>
<td>7%</td>
<td>18%</td>
</tr>
<tr>
<td>June</td>
<td>71%</td>
<td>8%</td>
<td>21%</td>
</tr>
<tr>
<td>July</td>
<td>74%</td>
<td>7%</td>
<td>19%</td>
</tr>
<tr>
<td>August</td>
<td>73%</td>
<td>8%</td>
<td>19%</td>
</tr>
<tr>
<td>September</td>
<td>75%</td>
<td>8%</td>
<td>17%</td>
</tr>
</tbody>
</table>

National Average:
- FMC: 75%
- PMC: 7%
- NMC: 18%
# Air Force Mission Flying Hour Comparison

1 October – 26 February

<table>
<thead>
<tr>
<th>Category</th>
<th>FY14</th>
<th>FY15</th>
<th>% Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Defense</td>
<td>399</td>
<td>456</td>
<td>14.2%</td>
</tr>
<tr>
<td>Drug Interdiction</td>
<td>281</td>
<td>1,412</td>
<td>402.5%</td>
</tr>
<tr>
<td>Range Support</td>
<td>6</td>
<td>176</td>
<td>2,833.3%</td>
</tr>
<tr>
<td>Route Survey</td>
<td>64</td>
<td>82</td>
<td>28.1%</td>
</tr>
<tr>
<td>SAR</td>
<td>755</td>
<td>504</td>
<td>-33.2%</td>
</tr>
<tr>
<td>DSCA/DR</td>
<td>161</td>
<td>6</td>
<td>-96.3%</td>
</tr>
<tr>
<td>SUAS</td>
<td>404</td>
<td>341</td>
<td>-15.6%</td>
</tr>
<tr>
<td>Other/HLS</td>
<td>491</td>
<td>738</td>
<td>50.3%</td>
</tr>
<tr>
<td>Training</td>
<td>7,187</td>
<td>13,065</td>
<td>81.8%</td>
</tr>
<tr>
<td>Maintenance</td>
<td>2,295</td>
<td>2,854</td>
<td>24.4%</td>
</tr>
<tr>
<td>Cadet Orientation</td>
<td>3,815</td>
<td>3,980</td>
<td>4.3%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15,858</td>
<td>23,614</td>
<td>48.9%</td>
</tr>
</tbody>
</table>
AFAM Mission Funding

- Many missions are funded by CAP
  - Training & Proficiency
  - CIs & SUIs
  - CAP Cadet Orientation Flights
  - AFRCC
  - Some AFNORTH / 1\textsuperscript{st} AF / 11\textsuperscript{th} AF / PACAF Immediate Response and Air Defense
  - Counterdrug & Drug Interdiction

- Are your mission results worth using our money? What programs are you willing to give up to take on a new mission?
# Corporate Mission

## Flying Hour Comparison

1 October – 26 February

<table>
<thead>
<tr>
<th>Category</th>
<th>FY14</th>
<th>FY15</th>
<th>% Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flight Evaluations</td>
<td>455</td>
<td>313</td>
<td>-31.2%</td>
</tr>
<tr>
<td>Meetings</td>
<td>222</td>
<td>289</td>
<td>30.2%</td>
</tr>
<tr>
<td>Maintenance</td>
<td>72</td>
<td>41</td>
<td>-43.1%</td>
</tr>
<tr>
<td>Proficiency</td>
<td>3,348</td>
<td>2,858</td>
<td>-14.6%</td>
</tr>
<tr>
<td>State &amp; Local</td>
<td>820</td>
<td>465</td>
<td>-43.3%</td>
</tr>
<tr>
<td>Cadet Flying</td>
<td>685</td>
<td>634</td>
<td>-7.4%</td>
</tr>
<tr>
<td>Corporate Training</td>
<td>88</td>
<td>387</td>
<td>339.8%</td>
</tr>
<tr>
<td>TOP Flights</td>
<td>25</td>
<td>41</td>
<td>64.0%</td>
</tr>
<tr>
<td>Glider Ops</td>
<td>58</td>
<td>63</td>
<td>8.6%</td>
</tr>
<tr>
<td>Aircraft Upgrades</td>
<td>75</td>
<td>124</td>
<td>65.3%</td>
</tr>
<tr>
<td>Other</td>
<td>22</td>
<td>65</td>
<td>195.5%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>5,870</td>
<td>5,280</td>
<td>-10.1%</td>
</tr>
</tbody>
</table>
Mission Qualified Personnel

- Approximately 32,000 members are involved in operations
  - 600+ incident commanders
  - 2,800+ mission pilots
  - 6,000+ other aircrew members
  - 4,000+ ground team members
  - 2,000+ personnel law enforcement screened
  - 23,000+ communication network operators
  - 500+ chaplains
National Traffic Net
Sustained Performance

Period: 2/21/14 to 2/19/15
Disaster Imagery Missions
Before and After

Moore, Oklahoma Before and After
Use the swipe tool to compare aerial views of the tornado on May 20, 2013.

Moore Oklahoma Pre-Tornado Imagery Map

Imagery Courtesy of Bearing Tree Land Surveying

Source: Esri, DigitalGlobe, GeoEye, I-cubed, Earthstar Geographics, CNES/Airbus DS, USDA,...
Disaster Imagery Missions
NGA or Crowdsourced Processing
Disaster Imagery Missions
FEMA Hot or Not Map
Disaster Imagery Missions
Strut Mounted Garmin Virb
Disaster Imagery Missions
Strut Mounted Garmin Virb
Disaster Imagery Missions

Output
SUAS and New Sensors

- 2 Cessna 182s equipped
  - National Training Center, Nevada
  - Alexandria / Fort Polk, Louisiana
- 1 Cessna 206 in late January
- Working with Cessna for new contract
Pictometry Real-Time Airborne Management System (RAMS)
Inexpensive Mini UAV Applications for CAP
Possible New Missions?

- Sundown or boat patrols
- Animal surveys & wildlife tracking
- Fire Patrol
- Traffic monitoring missions
- Low level route surveys
- GIIEP missions with the National Guard
- Communications Relay & Survey
- Point of Distribution & Shelter Support
- Air Care Alliance & Angel Flight
Possible New Missions?

- Red Cross & Salvation Army Support
- Critical Infrastructure Surveys
- Baseline Imagery Collection
- Storm Spotting (Not Chasing)
- Drought and Watershed Area Surveys
- Border Support (Land & Water)
- Counterdrug & Drug Interdiction
- Government & Educational UAS Escort
- Pilots N Paws & Animal Rescue Flights
Brainstorming & Ideas
Other Ideas

1. State guard association work
2. Cadet programs of other services
   - can't easily fly without parent endorsement
3. Health and human services
   - national strategic stockpile delivery
4. US Coast Guard
   - allowed to MIPR...provide instructions
   - districts are different
5. Establish a site of the current, new & emerging missions
   - wings doing them
   - sample ops plans
   - clearinghouse for the good the bad and the ugly
Other Ideas

6. EPLO and DCO awareness
   - get wing commanders lashed up with them
   - recurring basis
   - work to reach out to all DoD counterparts

7. Environmental quality for pollution assessment
   - spills and well leaks
   - sink holes
   - fracking and strip mine surveys

8. BRAC, security, and base emergency management fence line surveys

9. Use your state level overarching agreements linking agencies for funding
Other Ideas

10. State airport surveys
   - see if airports are open after disasters like earthquakes

11. Pictures of state prisons

12. Communications platforms for other agencies
   - CAP assets
   - other agency assets

13. Strategic petroleum reserve flights
Thank You for Dedication & Support