Mid Atlantic Aviation Partnership (MAAP) Progress

For

House Appropriations Committee

October 19, 2015
• FAA Modernization and Reform Act of 2012 required six UAS Test Sites.
• December 2013
  • $2.6M from FACT fund
    $1.0M FY14
    $1.2M FY15
    $436K FY16
  • VT (ICTAS) contribution $300K
  • VT awarded one of six test sites
• MAAP Formed—coalition from NJ/MD/VA led by VT, UMD, Rutgers
• ~70 team members
• First flight Aug 13, 2013
What and where we are flying

flights through Oct 8th

- 909 Flights
- 301 hours

Note: As of Aug 1, all six test sites had flown a total of ~400 hours. We had flown 40% of that!
Flight Activity (from FAA)

Includes Restricted Airspace

First Flight

+31

+38

0 25 50 75 100 125

How are we flying?
Virginia Flight Ops Highlights

• News Coverage/videography
  – News Media Coalition
  – Pathfinder like program
• Energy Infrastructure
  – Dominion Power/Hazon
  – AVID EDF-8 at Blacksburg
  – AATI RS-20 in Buckingham
• Flight Testing
  – Textron Aerosonde at Blackstone
• Package Delivery – first approved in US
  – Flirtey at Wise Free Medical Fair
• First Response
  – Hannah Graham Search
  – Prepared to respond for Joaquin
  – First Responder Workshop
Initiatives

- “Urban” Test Site
- Beyond the Horizons
- First Responders
- Flight testing / training
  - Bringing work to VA
    - Jobs from MS and CA?
    - to Blackstone
    - Hampton Roads
- Regional initiatives
  - Blackstone
  - Wise
  - Hampton Roads
  - Eastern Shore
  - New River Valley
Impact: Some Early Wins

• Blackstone/UAVPro and Textron
  – Zero to 65 jobs from 2011 to present
  – UAVPro evicted from warehouse on Ft. Pickett for State Dept. program, Textron weighing options
  – As a result of MAAP, All jobs retained and $1.4M construction underway

• Chesapeake/Hazon
  The professionalism and support from MAAP has been crucial to HAZON’s many successes. From providing superb support with UAS expertise, safety observers supporting our numerous testing operations; COA development and submission to the FAA; to funneling new hires our way – the MAAP leadership and staff have been key to HAZON’s business growth despite cumbersome FAA regulations. HAZON Solutions is excited about the strong partnership with MAAP and looks forward to continued collaboration and synergy in research, development and exploring future utilization of this exciting technology in the commercial sectors. As a Veteran Owned and Operated small business, it’s comforting to know that MAAP is working hard to support our success.

  –David Culler (CEO)

• On the horizon:
  – Significant programs from Mississippi and California
  – AATI
  – Flirtey
• Each state...independent business unit
  – Director of State Test site also MAAP Associate Director
  – Funding/management responsibility of the state
  – Cooperation and competition with other states

• MAAP Core...the corporate headquarters
  – Executive Leadership
  – Government engagement
    • Coordinate state engagement on Capital Hill
    • FAA
    • NASA
  – Business Development/Marketing
How FACT $ has been spent

**FACT Expenditures FY 14 ($1.0M)**

- Personnel
- Equipment/Supplies
- Contractual Services
- Consultant/Subcontractors
- Travel/Marketing

**FACT Expenditures FY 15 ($1.2M)**

- Personnel
- Equipment/Supplies
- Contractual Services
- Consultant/Subcontractors
- Travel/Marketing

Virginia Tech
MAAP Financial Outlook

- Costs
  - VA test site: $1.2M/yr
  - MAAP Core: 750K/yr
  - $1.95M Total

- Revenue
  - Planned:
    - $436K FACT
    - $750K research/test
    - $75K membership fees
    - $500K FY16 dues MD/NJ
  - $1.761M TOTAL

- Projection
  - $436K FACT
  - $334K research/test
  - $75K membership fees
  - $500K FY16 dues MD/NJ
  - $225K NJ FY15 dues
  - $1.570M TOTAL

Current funds support operations through May
Issues/Plan Going Forward

• NJ and MD
  – Value:
    • Political (Congressman LoBiondo, Senators Booker and Mikulski)
    • Relationships—FAA Technical Center/NAVAIR Pax
  NJ ($100K total)
    • $75K proposal support
    • $25K contribution to MAAP core (short $225K)
    • FY16?
  MD ($250K total)
    • $250K FY 15 contribution to MAAP core
    • FY 16 pending

• Site Sustainability
  – Some help required
  – Working through VT

• We want to keep the team together
• November 11th Board Meeting
  • Go/No Go decision
• Contingency plan in place
• Alternatives
  • Associate Members?
  • Adding other states?
• Jobs
  – Blackstone Model
  – Leg up for VA companies
  – Similar wins on the horizon
  – BIG wins lurking

• Key pillar of the larger unmanned systems effort
Questions?