



# The Mid-Atlantic Aviation Partnership (MAAP)

The Virginia/New Jersey/Maryland  
UAS Test Site

UAS Technical Interchange  
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# UAS Test Sites

- FAA designated six Test Ranges to support the safe and efficient integration of Unmanned Aircraft Systems (UAS) into the NAS on Dec 30, 2013
- Two on each coast and two in the Central US
- MAAP has strong advantages
- MAAP has strong Industry and Government partnerships



# Our Team



- Awarded the FAA UAS Test Site OTA through Virginia Tech
- Led by Virginia Tech, Rutgers and University of Maryland
- Includes Academia, Government, Industry, Economic Development Agencies and Non-Profit Organizations
- Specific Team strengths:
  - 3 universities ranked in U.S. News and World Report top 100
  - Companies w/ experience in UAS development, manufacture, operation and testing
  - Existing relationships to federal UAS R&D centers
    - William J. Hughes FAA Technical Center
    - NASA Langley, NASA Wallops
    - NAVAIR Patuxent River
    - NSWC Dahlgren
- International airport with 10,000' runway





# Our Mission

The ***safe and efficient*** integration of Unmanned Aircraft Systems (UAS) into our National Airspace System

- Bring Customers

## Routine UAS Access in the NAS

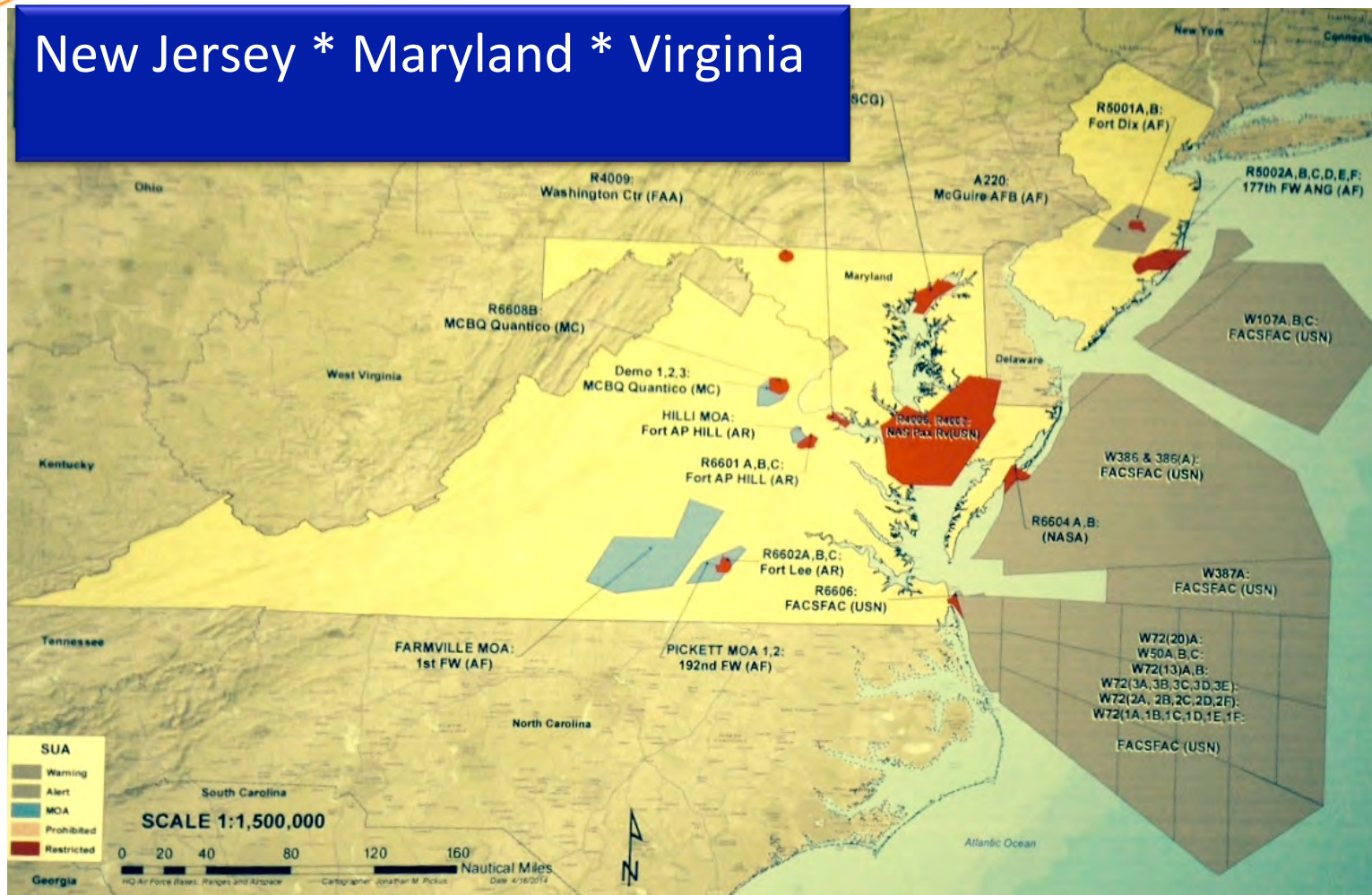
- Safe
- Best Value
- Collaboration
- Responsiveness





# Our Site

New Jersey \* Maryland \* Virginia



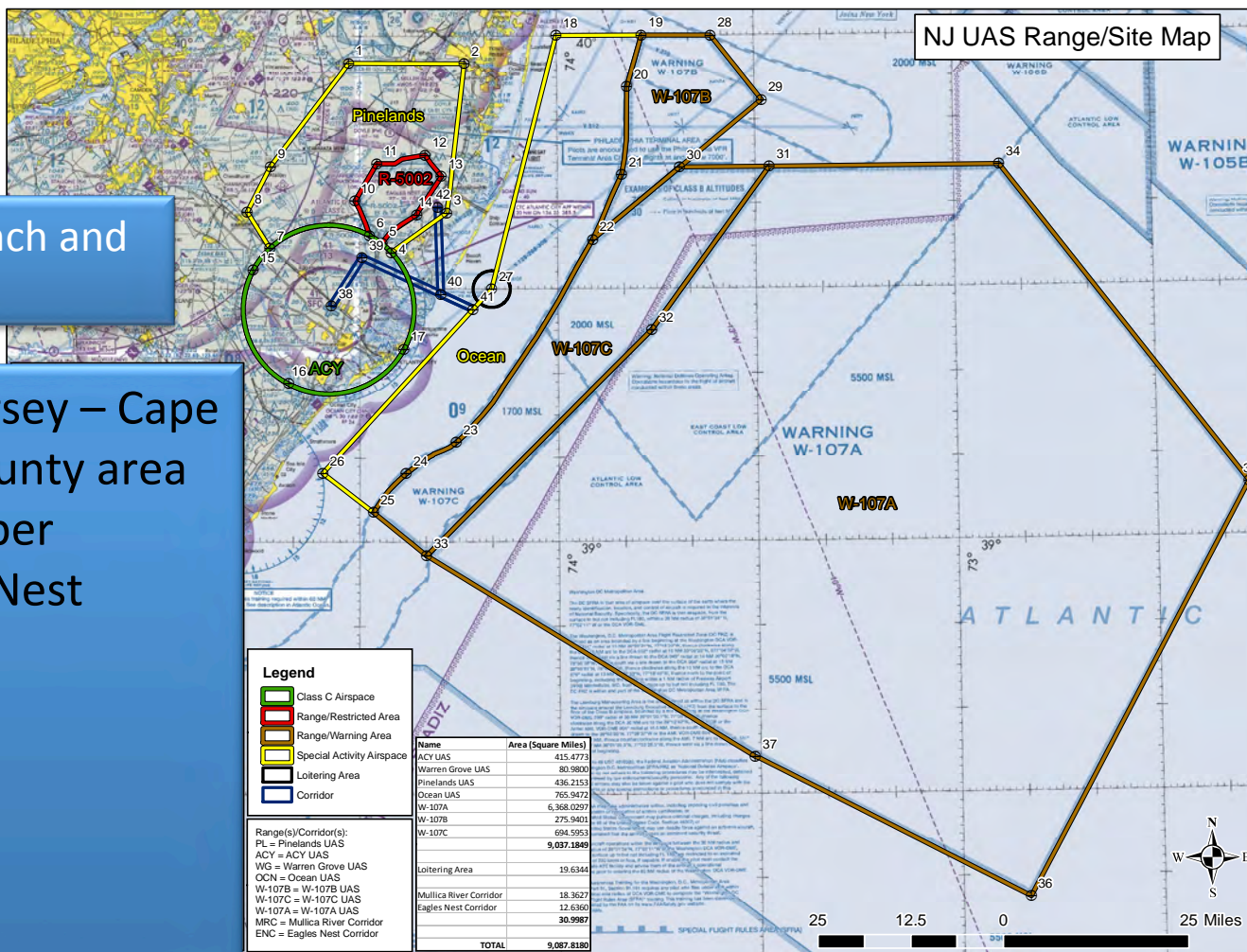




# Our NJ Ranges

Proposed Launch and Recover Sites

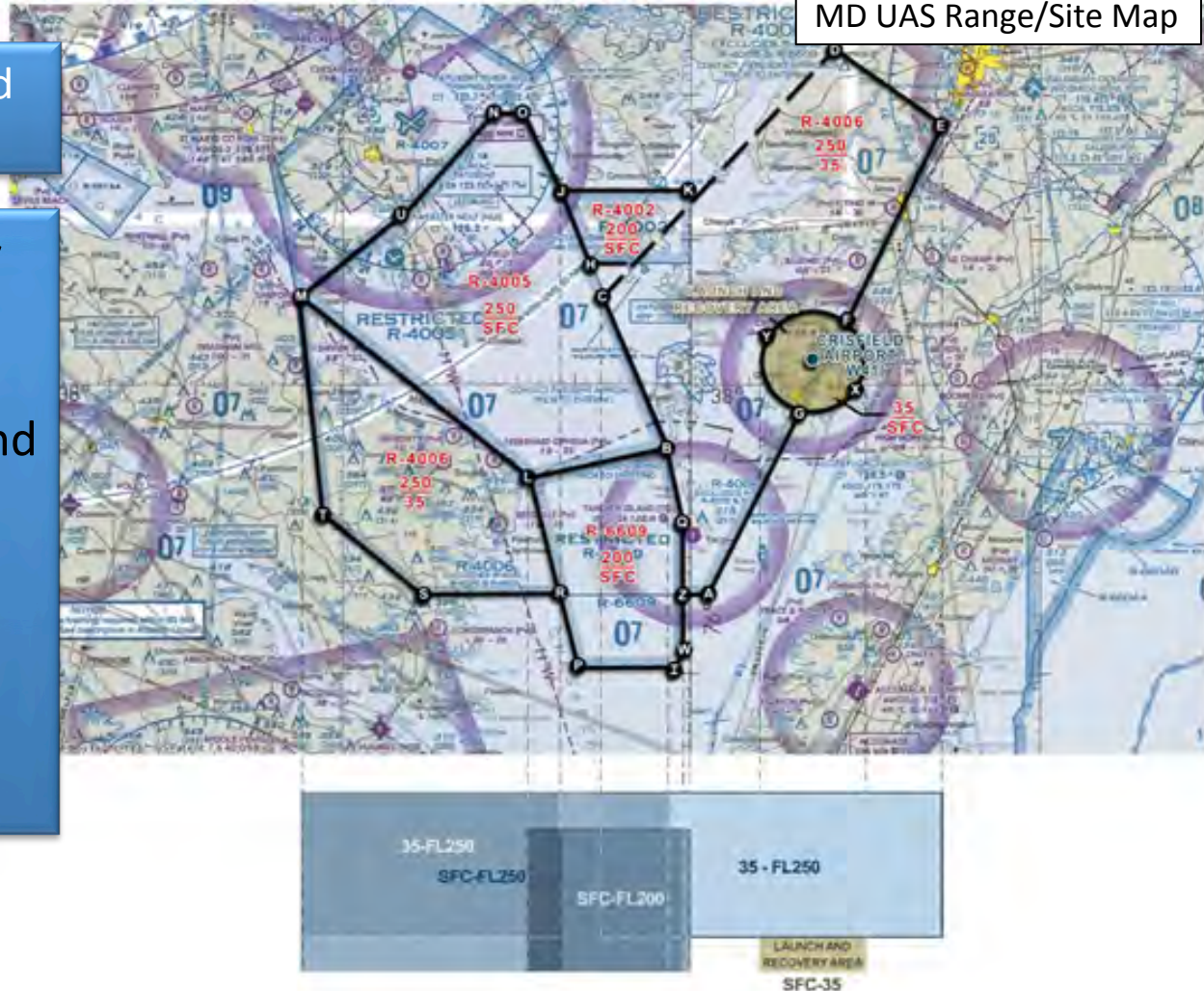
- New Jersey – Cape May County area
- November
- Eagles Nest





### TEST RANGE AIRSPACE

- MD UAS Range/Site Map



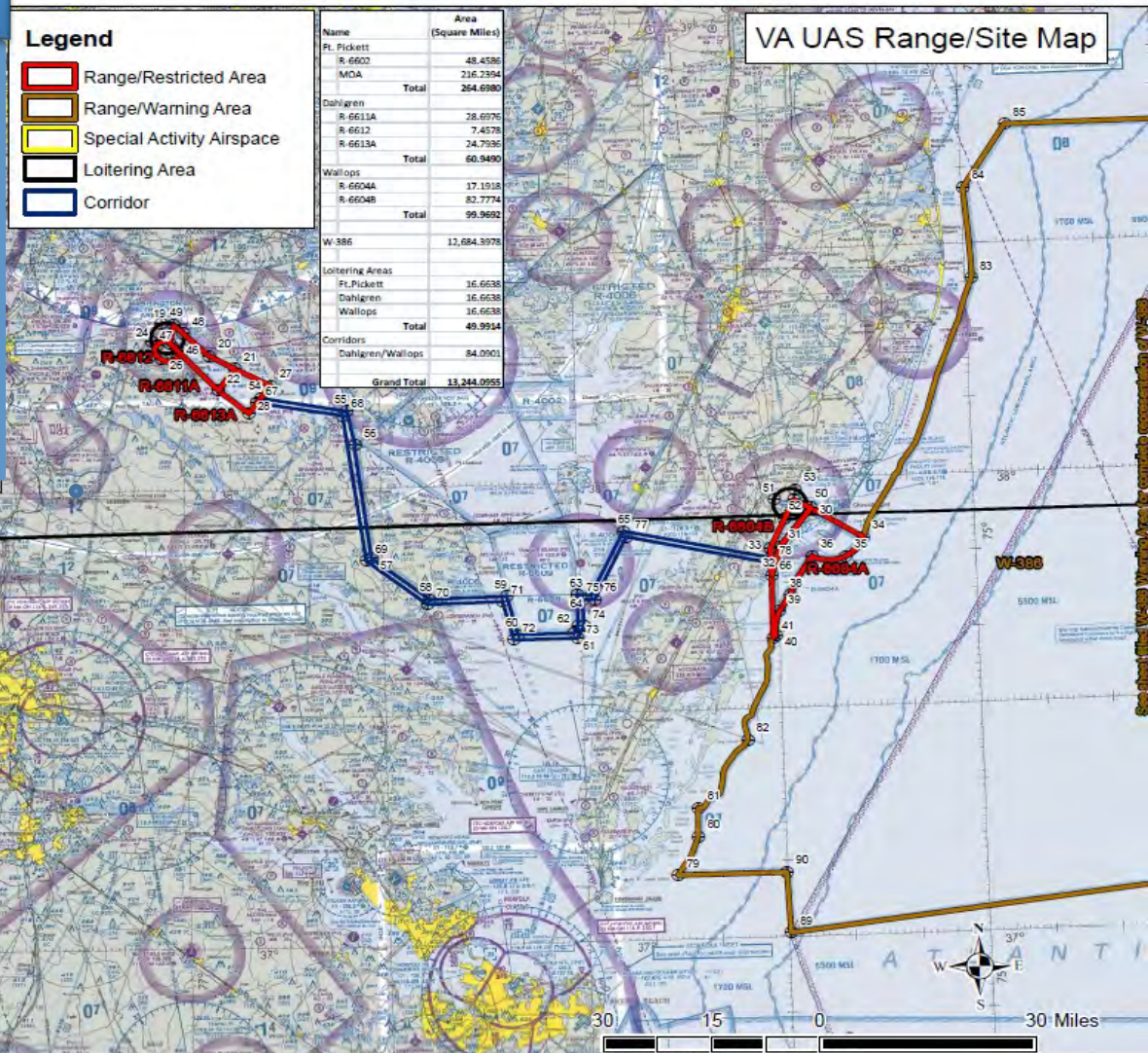




# Airspace – Virginia

## Proposed Launch and Recover Sites

- Wallops
- Blackstone
- Dahlgren
- Wakefield
- Wise
- Northern VA



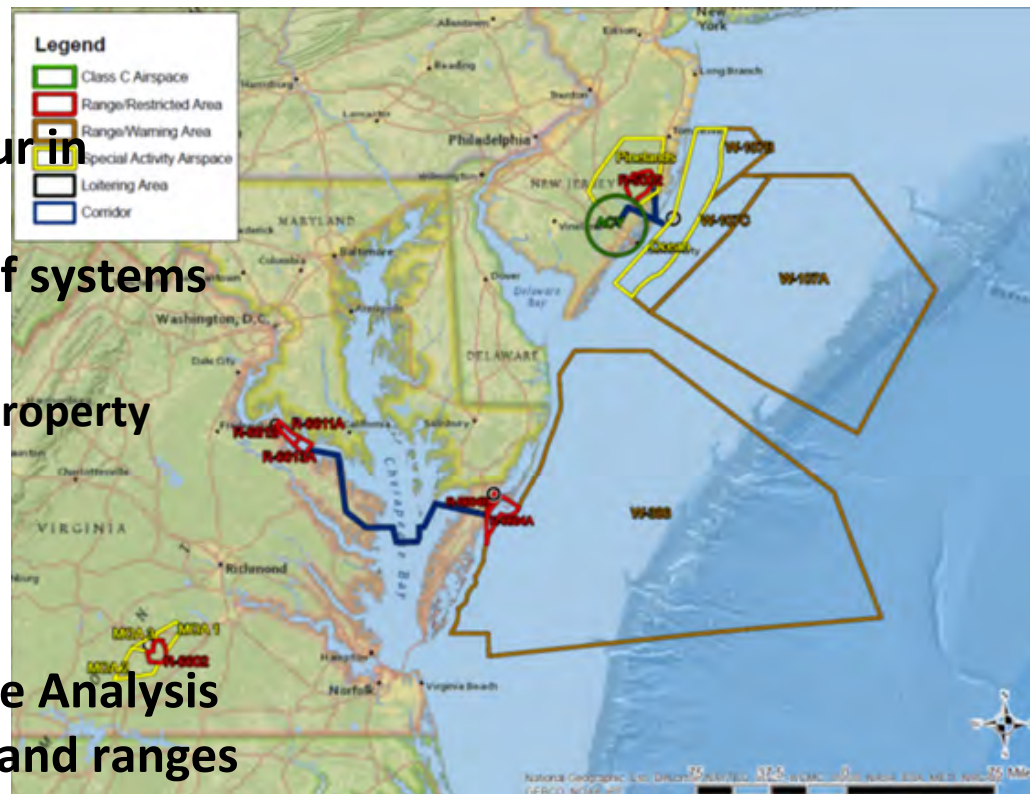
- First Flight was August 13<sup>th</sup> at the VT Transportation Institute Smart Road in Blacksburg
- Wallops in October
- Blackstone in November





# Our Approach

- High Risk early flight testing to occur in existing Restricted Areas.
- With demonstrated performance of systems under test, will move NAS
  - Maximum safety to persons and property
  - Full Aviation Infrastructure
  - Adjacent airports/airfields
  - Surveillance Coverage
- Initial phase of a long-term Airspace Analysis Plan that will evolve our test sites and ranges with the needs of the FAA and UAS industry
- Develop customer focused launch and recovery sites.



*Proposed ranges will provide safety, flexibility and capacity.*



# Path to Commercialization

- FAA UAS Test Sites – Aeronautical Research
  - Aircraft Development
  - Sensor Development
  - Training
  - Operations
- Experimental Certification
- Section 333





# Questions?

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