



NOAA UAS Program Vision & Strategy



- **Vision**
 - UAS observations will become an essential component of the NOAA observing system
 - **High Impact Weather Monitoring**
Sensing Hazards with Operational Unmanned Technology (SHOUT)
 - **Marine Monitoring**
 - **Polar Monitoring**
 - **Assist with the research, development, demonstration and transition to application of select UAS observing strategies**
 - **Puma-AE is now owned and operated by all of the US Maritime Services, Danes and Dutch**
- **UAS Research & Development**
 - **Where? - Dull, Dirty, Dangerous, Denied**
 - **Why? - Efficient, Effective, Economical, and Environmentally Friendly**
 - **How? - Platforms, Sensors, Applications**





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DEC 2016

NOAA UAS Program participated in the UAS TAAC (Unmanned Aircraft Systems Technical Analysis and Applications Center) Conference

Conference was 12-15 December, Santa Fe, New Mexico

The NOAA UAS Program participated in the UAS TAAC (Unmanned Aircraft Systems Technical Analysis and Applications Center) conference to discuss critical issues regarding UAS in a

productive, value-added environment. TAAC 2016 included briefings from several federal agencies (DoD, NASA, DHS, DOE, DOI), aviation user groups such as AOPA, AIA, as well as universities, and private industry. This year's TAAC included briefings from the FAA's test sites, Center of Excellence and Path Finders.

NOAA UAS Program's Justyna Nicinska, John "JC" Coffey, Phil Kenul shared the NOAA UAS Program's strategic vision and execution from requirements capture to "transition to operations" with manned and unmanned aircraft counter-parts. NOAA's recent UAS successes focusing on hazardous weather, maritime and Polar surveys included:

- SHOUT's use of Global Hawk for Hurricane Research & Satellite Gap Mitigation.
- Puma UAS deploys onboard from US Coast Guard Cutter's (Icebreaker) Healy and Polar Star for marine monitoring, search & rescue and oil spill detection with ONR and AeroVironment.
- Development of partnership with UAF, US Navy, USCG, Conoco Philips for ScanEagle flights in the Arctic.
- NWS' River Forecasting Center Rapid Response with UAS for Yukon River Watch supporting the NWS Rapid Response CONOPS.
- SBIR Phase III "Transition to Operation" of Aurora Flight Science's Centaur for Grav-D survey.
- UAS use for satellite calibration and validation.
- Other platform coordination including Aerosonde and Flexrotor.
- Counter UAS was discussed at the classified session with JC Coffey.

Is this is an issue of potential concern?

This item has high visibility

Geographic Location (Relevant region, city location) Sante Fe, NM

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