

NORTH CAROLINA

Department of Transportation



















NCDOT UAS Update

Ben Spain June 23, 2021



Overview

- Who we are
- What we offer
- What's next



Who are we?

- NCDOT Division of Aviation
- UAS Specialists
 - Air Force pilot & computer scientist
 - Photogrammetrist & drone pilot specialist
- Standup ops center in case of disaster
- Day job: integrate drones at DOT and across NC







UAS Program Office Roles

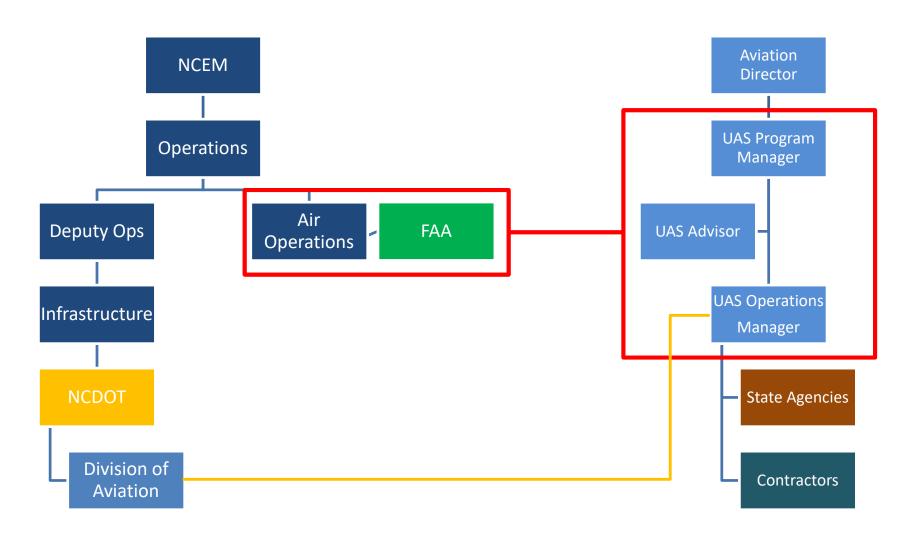
- Advise the Air Ops Coordinator and SERT on UAS matters
 - Appropriate use cases
 - Manned/unmanned deconfliction
- Manage UAS operations
 - Intake mission requests, assign to teams, track to data delivery
 - Aid UAS teams as required



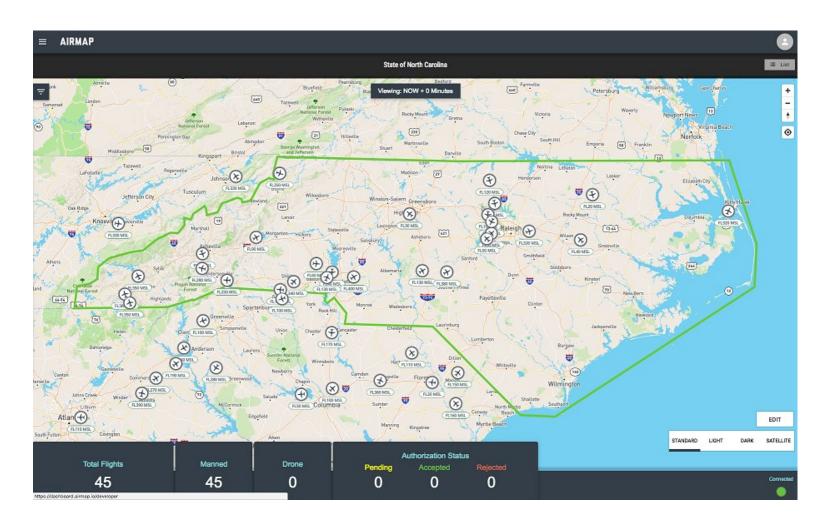




NCEM & NCDOT UAS Response Team

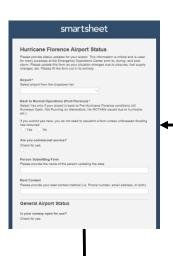


Unmanned Traffic Management





UAS Mission Workflow/Process



Request Form

Customer

budget holders CitizenSvoters

voters other-departmentSbiogers

voters other-departmentSbiogers

charities treasury bloggerSuccess

was community organisation

reduction organisation

community organisation

community organisation

community organisation

reduction

community organisation

community organisation

community organisation

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community

commu

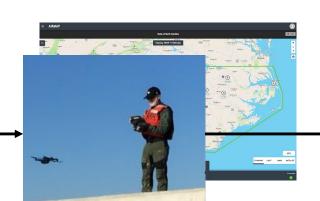
Customer Notified Data Ready



GIS processes and displays data



DoA Assigns and Tracks Mission



UAS Team uploads imagery to GIS

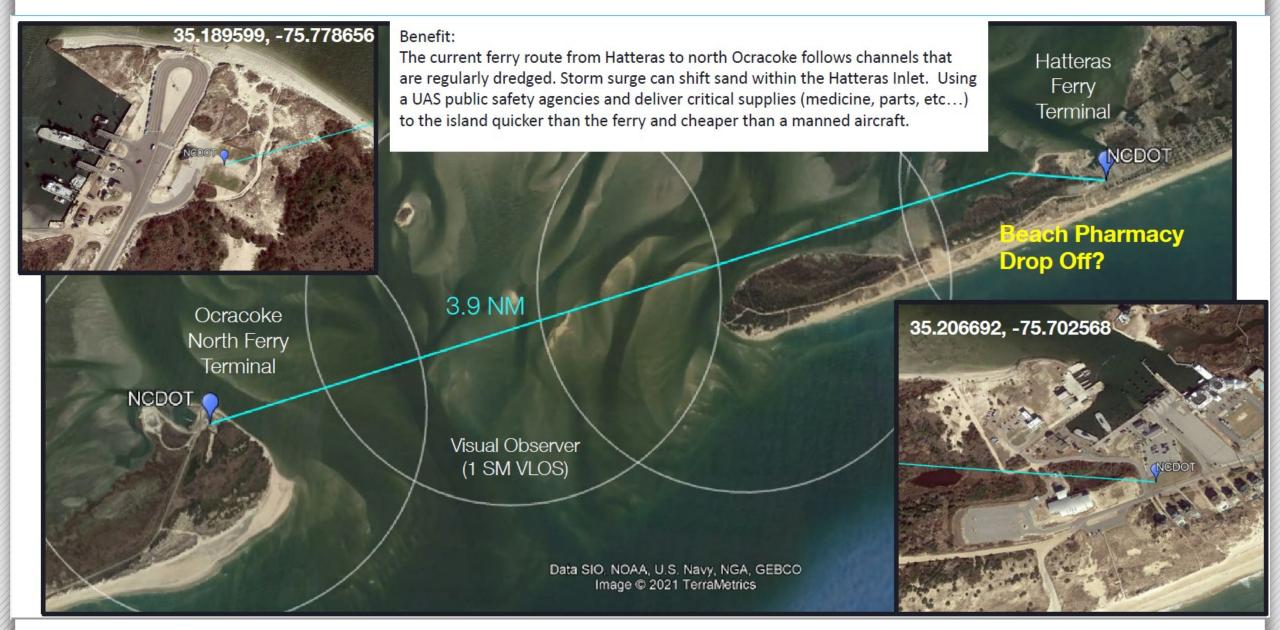


What's next?

- OBX BVLOS waiver w/ Volansi approved today
- Enables long-range ISR and package delivery between Hatteras and Ocracoke



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Questions?