

NCTCOG PRESENTATION

TRANSPORTATION

ERNEST HUFFMAN | SEPTEMBER PUBLIC MEETING | 9.11.2023

INTRODUCTION

Drones are here!

Purpose

- Safety

- Transparency

- Community Engagement

Vendors Selected – Aloft, Airspace Link and ATA



Image Provided By Getty (source for external images only)

REQUIRED CAPABILITIES

A browser-based tool for visualization and monitoring of airspace above jurisdictional territory

Provides a cooperative aerial traffic feed including crewed ADS-B and registered UAS flights

Ability to create and publish localized advisories for governmental, commercial and recreational operators

Provide expedited manual authorization approval or rejection workflow for UAS operator flight plans



Provide a platform for communication between connected UAS operators

Ability to merge information into platform from competing technology solutions and other regional sensor data (i.e. CASA and other weather data)

Complement NCTCOG regions existing UAS safety messaging

Assist in keeping the community updated on rules, regulations, and potential hazards

REQUIRED CAPABILITIES cont.



Allow NCTCOG and regional municipalities to publish public advisories, local rules, regulations directly to the pilot community

Provide a solution that will help us communicate and connect with the community by embedding a live operation map into our northtexasuas.com webpage

Provide training (workshops) for municipalities and NCTCOG staff

REQUIRED CAPABILITIES cont.



TIMELINE

- Two Year Pilot
- In **Phase/Year One** the providers will provide NCTCOG and participating cities licenses to their platforms. This will allow both NCTCOG and participating cities to incorporate UAS operations from their own operations and to promote the platforms to their citizens to get the local communities to use the platforms. We also would like to use the platforms to assist in keeping the community updated on rules, regulations, and potential hazards, publish public advisories, local rules, regulations directly to the pilot community and communicate and connect with the communities by embedding a live operation maps into our northtexasuas.com webpage.

For the Phase 1 of the program, key milestones are:

Task	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
NCTCOG Recruit City Participants	x	x										
NCTCOG Receive License from Applicants	x											
NCTCOG Receive Training from Applicants		x										
City Participants Receive Training			x									
Applicants will work with NCTCOG, cities and other stakeholders to develop standardized metrics for input				x								
NCTCOG Use platforms to input data for region			x	x	x	x	x	x	x	x	x	x
Cities input their own data (advisories, operations, etc...)				x	x	x	x	x	x	x	x	x
Public Workshop					x							
Live Action Maps embedded on www.northtexasuas.com						x	x	x	x	x	x	x
NCTCOG will search for funding mechanism for Phase 2	x	x	x	x	x	x	x	x	x	x	x	x
Pilot team and other stakeholders will provide a final report from Phase 1 with recommendations for Phase 2												x

TIMELINE cont.

- In Phase/Year Two of the Pilot, NCTCOG will continue the activities of Year One but also work on a process to share the data across all platforms. This will ensure that all airspace management platforms in the region will have as much flight and safety data as possible to be a viable solution.

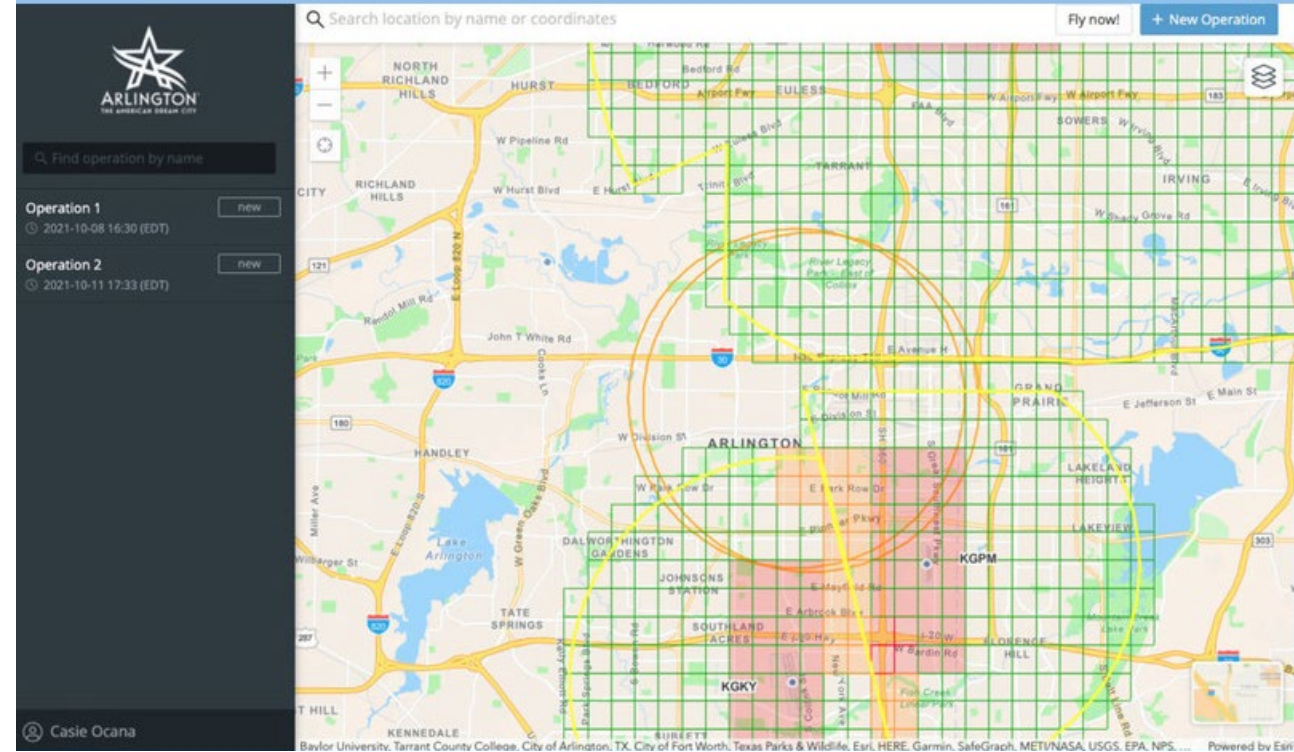
For the Phase 2 of the program, key milestones are:

Task	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Phase 1 activities	X	X	X	X	X	X	X	X	X	X	X	X
Pilot team and other stakeholders work on integration mechanism	X	X	X									
Mechanism Determined				X								
Mechanism tests					X	X	X	X	X			
Mechanism deployed region wide									X	X	X	X
Pilot Team and other stakeholders produce final report with recommendations for future												X

CITY PARTICIPATION

15 cities currently signed up

City will get at least one free license from one of the providers



FEDERAL AVIATION ADMINISTRATION REMOTE ID RULE

Beginning **September 16, 2023**, all drone pilots who are required to register their UAS must operate in accordance with the rule on Remote ID.

Remote ID Rules - A requirement for your drone to have either an internal signal broadcasting your location, plus your drone's latitude, longitude, and heading, or an attached broadcast module sending the same data.

Recognized Identification Areas (FRIAs) - A FRIA is a defined geographic area where drones can be flown without Remote ID equipment.

Drones Without Remote ID

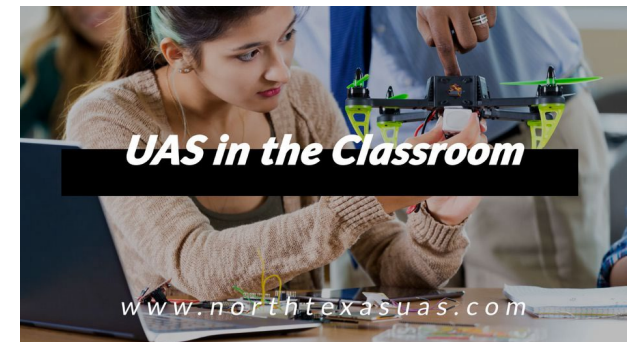
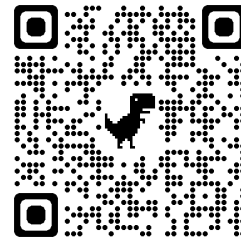


KNOW BEFORE YOU FLY YOUR DRONE

21 workshops are available **FREE** for anyone interested in learning more about drones

Workshops cover a variety of topics, including drone types, use cases, careers, business opportunities and more

To access any of the workshops, visit **NCTCOGtrans - YouTube** and find the playlist labeled “**UAS Know Before You Fly Your Drone Workshop Series.**”



CONTACT US



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Visit us at
northtexasuas.com

