

Vorn - UAS Detection & Communication Sys.

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Team



Enabling Part 107 BVLOS Operations

UAS Support Network - 0ft ->1000ft
Detect - Communicate - Coordinate - Nationwide



- Existing Infrastructure
- Drone Agnostic
- Military, Commercial, Government

Description in Bullet Format

(Relate to Requirement(s) & Heilmeyer Questions)

- Tower, Satellite, and ground communication system for detection, coordination, and communication of drones
- Utilizes existing infrastructure & remote ID to track drones
- Implemented as a network on 5G technology can serve to track drones nationwide for DOD & Gov, and allow commercial to fly BVLOS without risk of collisions
- TRL Level 3-6
 - Cellular, Ground - Testing complete - National UAS Center
 - Satellite, RF - Testing starting May/June

Enabling Interstate commerce

- Enables Interstate Commerce by eliminating state borders when deployed as a multi-state solution (Eg. CVG Airport)
- Top 3 Requests:
 - Continued Funding Opportunities
 - Customer Engagement Opportunities
 - Government LOS & POC

Airspace Management

Command & Control

Comms

Power & Energy Storage

Propulsion

Sensors & Awareness

Other