Agenda

Introductions and MentiMeter

Airspace Authorizations

SEH Drone Services and Client Deliverables
Airspace Authorizations

How to Execute UAS Operations at Airports
UAS Operations in Controlled Airspace (Class B, C, D, or E) require an Airspace Authorization from the Federal Aviation Administration (FAA)
Pierre Regional Airport

- Class E to the Surface
- Requires an Airspace Authorization
Highmore Municipal Airport

- Class G (Class E at 700 feet above surface)
- Does not require an Airspace Authorization for operations up to 400 feet
Request an Airspace Authorization

[FAADroneZone screenshot]

Operation Parameters

START DATE*  END DATE*
Month  Month

Dates cannot be in the past or exceed 24 months from today's date.

TIMEFRAME*  FREQUENCY*  PROPOSED LOCATION OF OPERATION*
☐ SUNRISE TO NOON  ☐ NOON TO 6 PM  ☐ 6 PM TO SUNSET  ☐ NIGHT
Select Frequency  Select Local Time Zone
Provide the specific area within the class of airspace that you wish to operate.

faadronezone.faa.gov
General Guidelines

• Airport Sponsor, FAA, and ATC have different roles for the operation.
• "The FAA generally responds to waiver requests within 90 days"
• If the airport can be NOTAM'ed closed during the UAS operation, it will provide more flexibility
• Operations while the airport is open results in smaller defined areas – no operations over movement areas.
SEH UAS Services for Engineering and Planning
SEH Drones and Services
• High Resolution Photography
• Cinematography
• Visualizations
• Construction Documentation
• Mapping
  • Photogrammetry
  • LiDAR
High Resolution Photography

Grand Rapids/Itasca County Airport

Red Wing Regional Airport

Fertile Municipal Airport

Falls International Airport
Cinematography
Visualizations
Construction Documentation
Photogrammetry
Obstruction Analysis

- Drone data turned into visualization
Obstruction Analysis – Airport Layout Plans
LiDAR

Point Cloud to Digital Elevation Model (DEM) in a wooded area
Thank you for listening!

Questions?

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