



FAA UAS SYMPOSIUM

UAS Facility Maps (UASFM) & Low Altitude Authorization & Notification Capability (LAANC)

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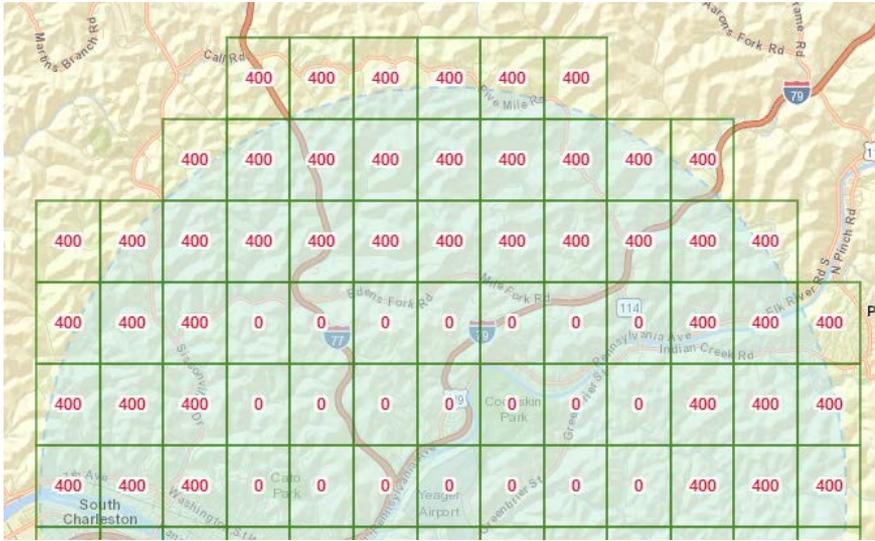
Workshop Objectives:

- Understand what a UAS Facility Map (UASFM) is
- Know when and how to use them
- Understand how to navigate FAA ArcGIS Site
- Understand the fundamental basics of the Low Altitude Authorization and Notification Capability (LAANC)



What is a UAS Facility Map?

- Maximum altitude approved for flight
- Controlled airspace
- Below 400 feet AGL
- Data updated regularly
- NOT AN AIRSPACE AUTHORIZATION



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Flights above UASFM altitudes:

- “Further coordination”
 - Flights above UASFM value, but below 400’ AGL
- Flights around/above structures above designated altitude
 - Part 107.51(b): Not applicable. UASFM values are absolute

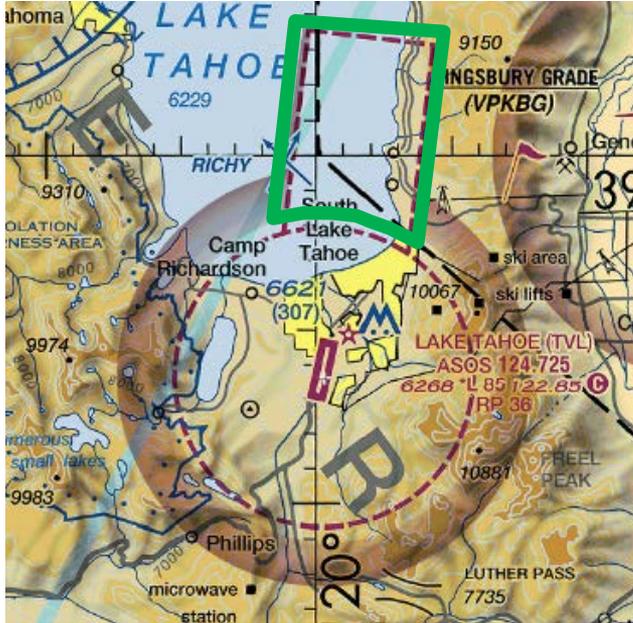
Note:

- Additional safety mitigations are helpful if applying for further coordination.



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SURFACE ECHO - E4

No ATC Authorization



SURFACE ECHO - E2

ATC Authorization Needed

How to access UASFMs:

- FAA ArcGIS platform
- <http://udds-faa.opendata.arcgis.com/>
- Online map viewer
- Data download environment



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Low Altitude Authorization and Notification Capability (LAANC):

- Collaboration between FAA and industry
- Directly supports integration of drones into the national airspace system

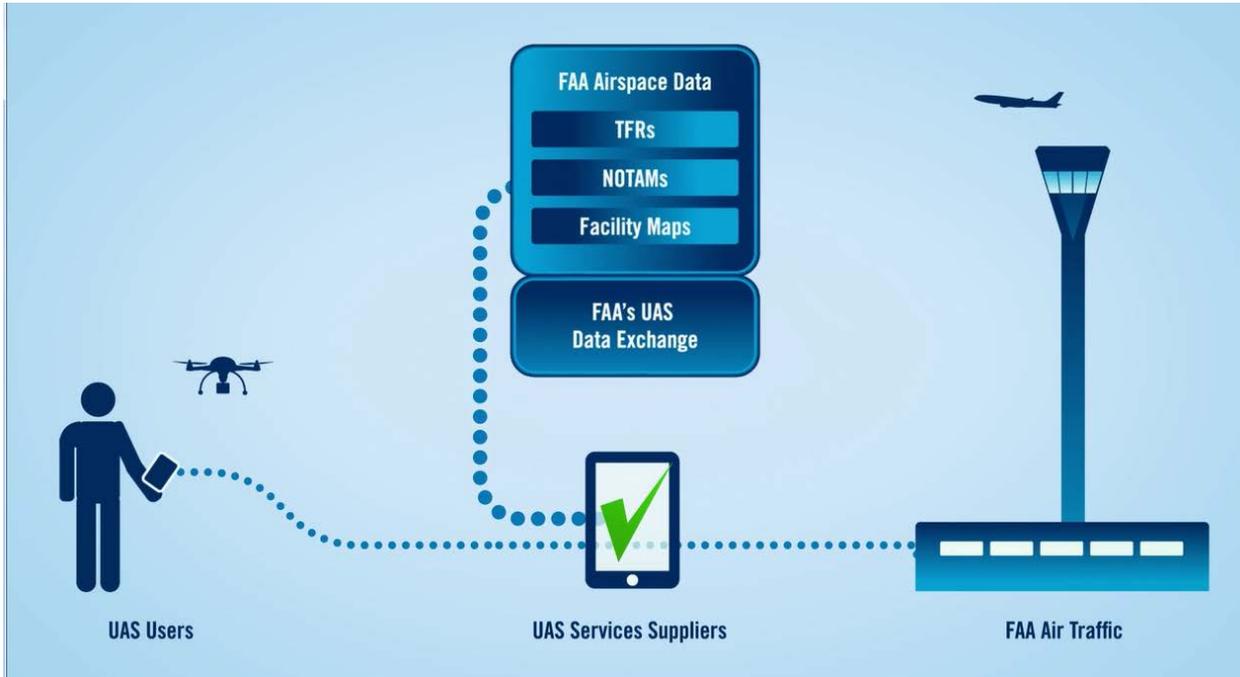


What Does LAANC Do?

- Access to controlled airspace near airports
- Near real-time processing of airspace authorizations below approved altitudes in controlled airspace.



LAANC Architecture:



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Approved UAS Service Suppliers of LAANC:

- Known as LAANC USS
- Completed technical steps required and entered into agreement with the FAA to provide LAANC Services
- FAA provides airspace data including, but not limited to:
 - Temporary Flight Restrictions (TFR)
 - Notice to Airmen (NOTAM)
 - UAS Facility Maps (UASFM)



Airspace Authorizations via LAANC:

- Available at most FAA Facilities
- Near real-time when qualifying criteria is met
 - UASFM altitude
 - Time of day requirements
 - Flight restrictions
- Valid for up to 12 hours
- Can be submitted up to 90 days in advance



Airspace Authorizations via LAANC:

- “Further coordination” requests
 - When requesting to operate above UASFM value
 - ATC has the option to approve or deny
 - Workload permitting
 - Auto-cancel within 24hrs of operation start time
- Not all USSs provide further coordination service





Thank You!



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