

# UAS Standards, Reg, Law & Exam

FAA Regulations: Part 107

Lesson 2c – *Airspace Operations*



# The NOTAM System

## Notice to Airmen (NOTAM)

- Time-critical aeronautical information
- Disseminated via the National NOTAM System
- NOTAMs contain notices to airmen that are considered essential to the safety of flight
- Examples of why NOTAMs are issued include:
  - ❑ Hazards, such as air shows, parachute jumps, kite flying, and rocket launches
  - ❑ Flights by important people such as heads of state
  - ❑ Inoperable lights on tall obstructions
  - ❑ Temporary erection of obstacles near airfields
  - ❑ Passage of flocks of birds through airspace (a NOTAM in this category is known as a BIRDTAM)
- NOTAMs are available online at
  - ❑ FAA NOTAM Search (<https://notams.aim.faa.gov/notamSearch/>)
  - ❑ <http://www.fltplan.com/>
  - ❑ <http://www.aopa.org/whatsnew/notams.html>
  - ❑ <https://skyvector.com/>



# Temporary Flight Restrictions (TFRs)

- TFRs are issued by a flight data center (FDC) in a NOTAM
- TFRs are issued for a number of reasons including:
  - ❑ To provide a safety environment for the operation of disaster relief
  - ❑ To prevent an unsafe congestion of sightseeing aircraft above an incident/event
  - ❑ To protect the President, Vice President, or other public figures
  - ❑ To protect sporting events
- The NOTAM begins with phrase “FLIGHT RESTRICTIONS” and is followed by
  - ❑ The location of the temporary restriction
  - ❑ The effective time period
  - ❑ The area defined in statute miles
  - ❑ The altitude affected
- The NOTAM also contains the FAA coordination facility and telephone number, the reason for the restriction, and any other information deemed appropriate



## Check for NOTAMs and TFRs

- Always check for TFRs in any area when you will be flying
- Link – <https://tfr.faa.gov/tfr2/list.html>
- When you call Flight Service for a briefing you should also specially ask for any TFRs that are in the area where you will be flying
- Calling Flight Service also protects you with a “Time Stamp” should a TFR occur just before and/or during your flight and could help prevent any legal action against you
- I suggest that you check out the current TFRs at the link above. Are there any in your area that might affect your ability to fly? The following pages illustrate a TFR that routinely occurs in Albuquerque every September and October (Balloon Fiesta)



# Check for NOTAMs and TFRs

Federal Aviation Administration - X

tfr.faa.gov/tfr2/list.jsp?p=list&type=all&sort=f&up=Y

Federal Aviation Administration

FAA.gov Ho

TFR List TFR Map Map Airports TFR Help PilotWeb SUA

Center Select a center GO State New Mexico GO Type All NOTAMS GO WED, 11 OCT 2017 20:34 UTC

Reset Filter

Click column headings to sort data.

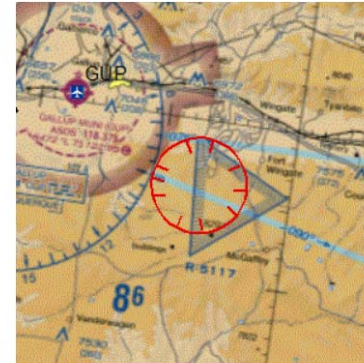
Date	NOTAM	Facility	State	Type	Description	Zoom
04/07/2017	<a href="#">7/7282</a>	FDC	USA	SECURITY	USA, Friday, April 14, 2017 through Saturday, April 13, 2019 UTC	
07/20/2017	<a href="#">7/4319</a>	FDC	USA	SECURITY	USA, Thursday, July 20, 2017 UTC	
10/10/2017	<a href="#">7/0724</a>	ZAB	AZ	HAZARDS	FOREST LAKE, AZ, Wednesday, October 11, 2017 through Saturday, November 11, 2017 UTC	
10/11/2017	<a href="#">7/1480</a>	ZAB	AZ	SECURITY	Libby AAF, AZ, Friday, October 13, 2017 Local <b>New</b>	
09/29/2017	<a href="#">7/4125</a>	ZAB	NM	AIR SHOWS/SPORTS	Albuquerque, NM, Friday, October 06, 2017 through Sunday, October 15, 2017 UTC	
10/11/2017	<a href="#">7/1475</a>	ZAB	AZ	SECURITY	Libby AAF, AZ, Saturday, October 14, 2017 Local <b>New</b>	
10/11/2017	<a href="#">7/1479</a>	ZAB	AZ	SECURITY	Libby AAF, AZ, Sunday, October 15, 2017 Local <b>New</b>	
05/04/2017	<a href="#">7/0646</a>	ZAN	AK	HAZARDS	COLONY GLACIER, AK, Friday, May 05, 2017 through Sunday, October 15, 2017 UTC	
09/28/2017	<a href="#">7/3358</a>	ZBW	MA	HAZARDS	HANOVER, MA, Monday, October 02, 2017 through Friday, November 03, 2017 UTC	
01/10/2011	<a href="#">1/1155</a>	ZDC	DC	SECURITY	WASHINGTON, DC. EFFECTIVE 1101102040 UTC	
10/12/2016	<a href="#">6/7196</a>	ZDC	USA	SECURITY	USA, Wednesday, October 12, 2016 UTC	
10/12/2016	<a href="#">6/7215</a>	ZDC	USA	SECURITY	USA, Wednesday, October 12, 2016 UTC	
10/07/2017	<a href="#">7/9737</a>	ZDC	WV	HAZARDS	PETERSBURG, WV, Saturday, October 07, 2017 through Friday, October 13, 2017 UTC	



# NOTAM – FDC 4/2726

<b>NOTAM</b>	
<b>Number :</b>	<b>FDC 4/2726</b> Download shapefiles
<b>Issue Date :</b>	May 12, 2024 at 1336 UTC
<b>Location :</b>	FORT WINGATE, New Mexico near GALLUP VORTAC (GUP)
<b>Beginning Date and Time :</b>	May 13, 2024 UTC 1500-2200 Daily
<b>Ending Date and Time :</b>	May 18, 2024 UTC
<b>Reason for NOTAM :</b>	Temporary flight restrictions
<b>Type :</b>	Hazards
<b>Replaced NOTAM(s) :</b>	N/A
<b>Pilots May Contact :</b>	ALBUQUERQUE (ZAB) ARTCC, 505-856-4591

**Jump To:** [Affected Areas](#)  
[Operating Restrictions and Requirements](#)  
[Other Information](#)



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[NOTAM Text](#)

## Affected Area(s) Top

### Airspace Definition:

On the GALLUP VORTAC (GUP) 088 degree radial at  
Center: 12.7 nautical miles. (Latitude: 35°25'57"N, Longitude:  
108°37'05"W)  
Radius: 3 nautical miles  
Altitude: From the surface up to and including 11000 feet MSL

### Effective Date(s):

**In UTC:**  
1500 to 2200 UTC Daily starting May 13 and ending May 18.

## Operating Restrictions and Requirements Top

No pilots may operate an aircraft in the areas covered by this NOTAM (except as described).

ONLY RELIEF ACFT OPS UNDER DIRECTION OF ARMY CORPS OF ENGINEERS MIKE OLDFIELD ARE AUTH IN THE AIRSPACE

## Other Information: Top

<b>ARTCC:</b>	ZAB - Albuquerque Center
<b>Point of Contact:</b>	ARMY CORPS OF ENGINEERS MIKE OLDFIELD Telephone 269-377-1387
<b>Authority:</b>	Title 14 CFR section 91.137(a)(1)



# NOTAM – FDC 4/2726

**Affected Area(s)** Top

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**In UTC:**  
1500 to 2200 UTC Daily starting May 13 and ending May 18

8:00 AM (1500 UTC) to 3:00 PM (2200 UTC) Local Time

Daily Starting May 13 and Ending May 18



# NOTAM – FDC 4/2726 – NATAM Text

**NOTAM**  
**Number :** FDC 4/2726 Download shapefiles  
**Issue Date :** May 12, 2024 at 1336 UTC  
**Location :** FORT WINGATE, New Mexico near GALLUP VORTAC (GUP)  
**Beginning Date and Time :** May 13, 2024 UTC 1500-2200 Daily  
**Ending Date and Time :** May 18, 2024 UTC  
**Reason for NOTAM :** Temporary flight restrictions  
**Type :** Hazards  
**Replaced NOTAM(s) :** N/A  
**Pilots May Contact :** ALBUQUERQUE (ZAB) ARTCC, 505-856-4591

**Jump To:** [Affected Areas](#)  
[Operating Restrictions and Requirements](#)  
[Other Information](#)

## Affected Area(s) [Top](#)

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On the GALLUP VORTAC (GUP) 088 degree radial at  
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Radius: 3 nautical miles  
Altitude: From the surface up to and including 11000 feet MSL

**Effective Date(s):**  
**In UTC:**  
1500 to 2200 UTC Daily starting May 13 and ending May 18.



[Click for Sectional](#)  
[NOTAM Text](#)



NOTAM : 4/2726

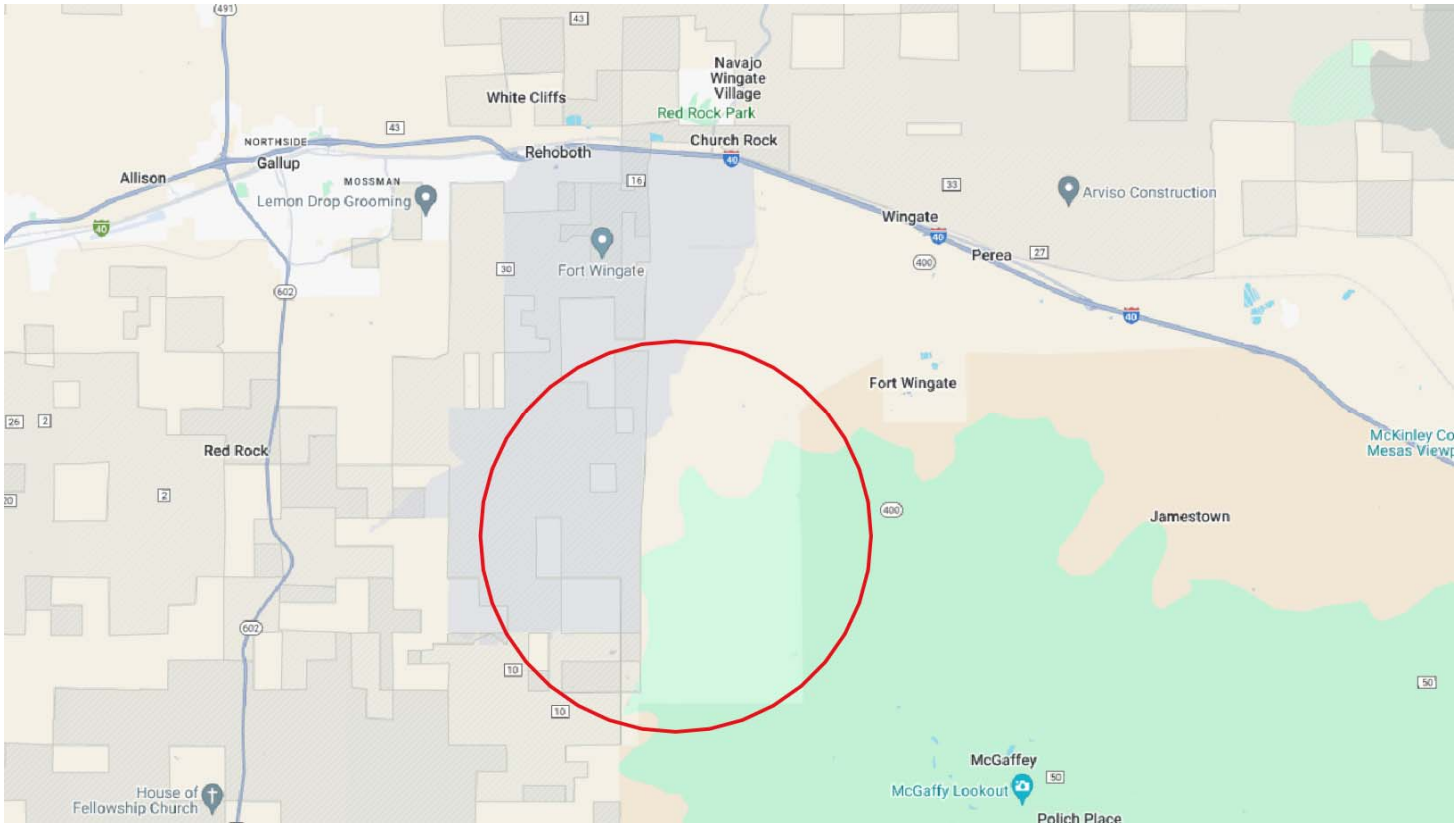
FDC 4/2726 ZAB NM..AIRSPACE FORT WINGATE, NM..TEMPORARY FLIGHT RESTRICTIONS WI AN AREA DEFINED AS 3NM RADIUS OF 352557N1083705W (GUP088012.7) SFC-11000FT EXPLOSIVE DEMOLITION. PURSUANT TO 14 CFR SECTION 91.137(A)(1) TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. ONLY RELIEF ACFT OPS UNDER DIRECTION OF ARMY CORPS OF ENGINEERS MIKE OLDFIELD ARE AUTH IN THE AIRSPACE. ARMY CORPS OF ENGINEERS MIKE OLDFIELD TEL 269-377-1387 IS IN CHARGE OF ON SCENE EMERG RESPONSE ACT. ALBUQUERQUE /ZAB/ ARTCC TEL 505-856-4591 IS THE FAA CDN FACILITY. DLY 1500-2200 2405131500-2405182200

[Close](#)





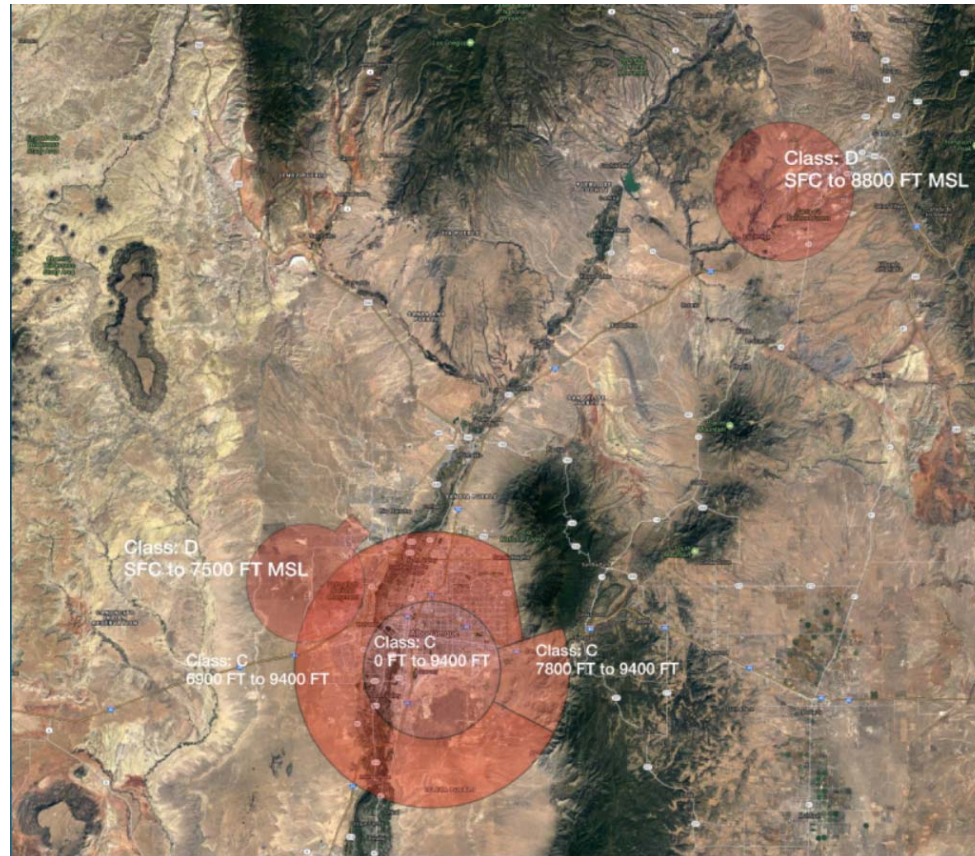
# NOTAM – FDC 4/2726 – Visualize Download Shapefiles



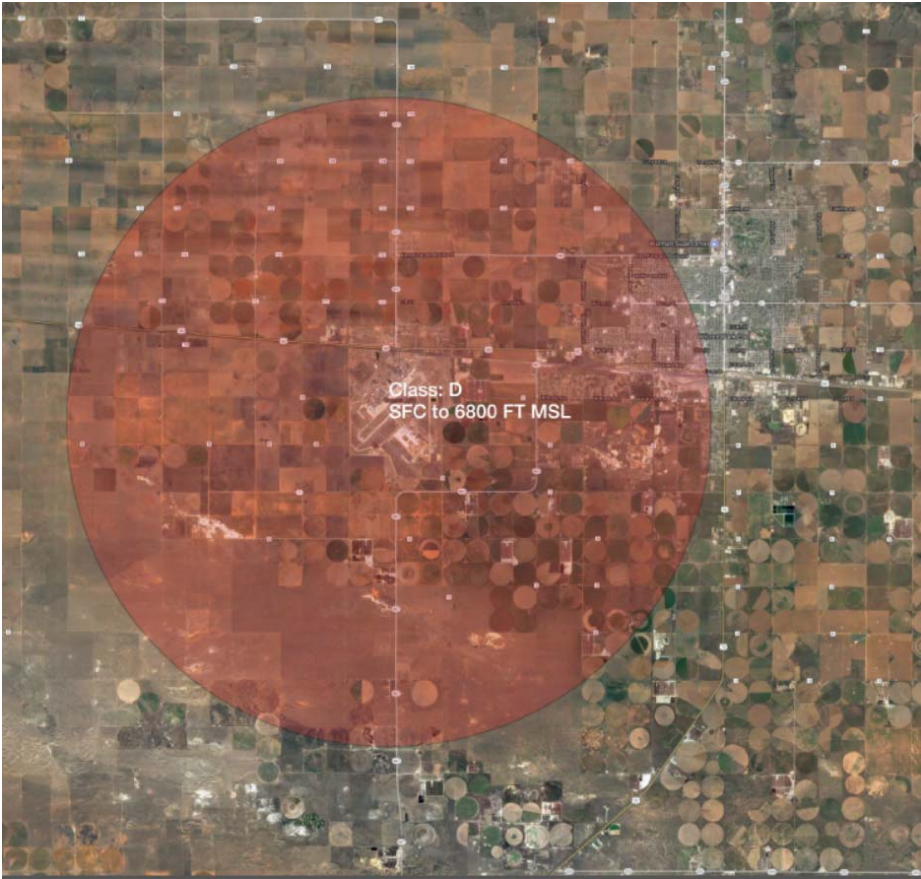
# NOTAM – FDC 4/2726 – Visualize Download Shapefiles



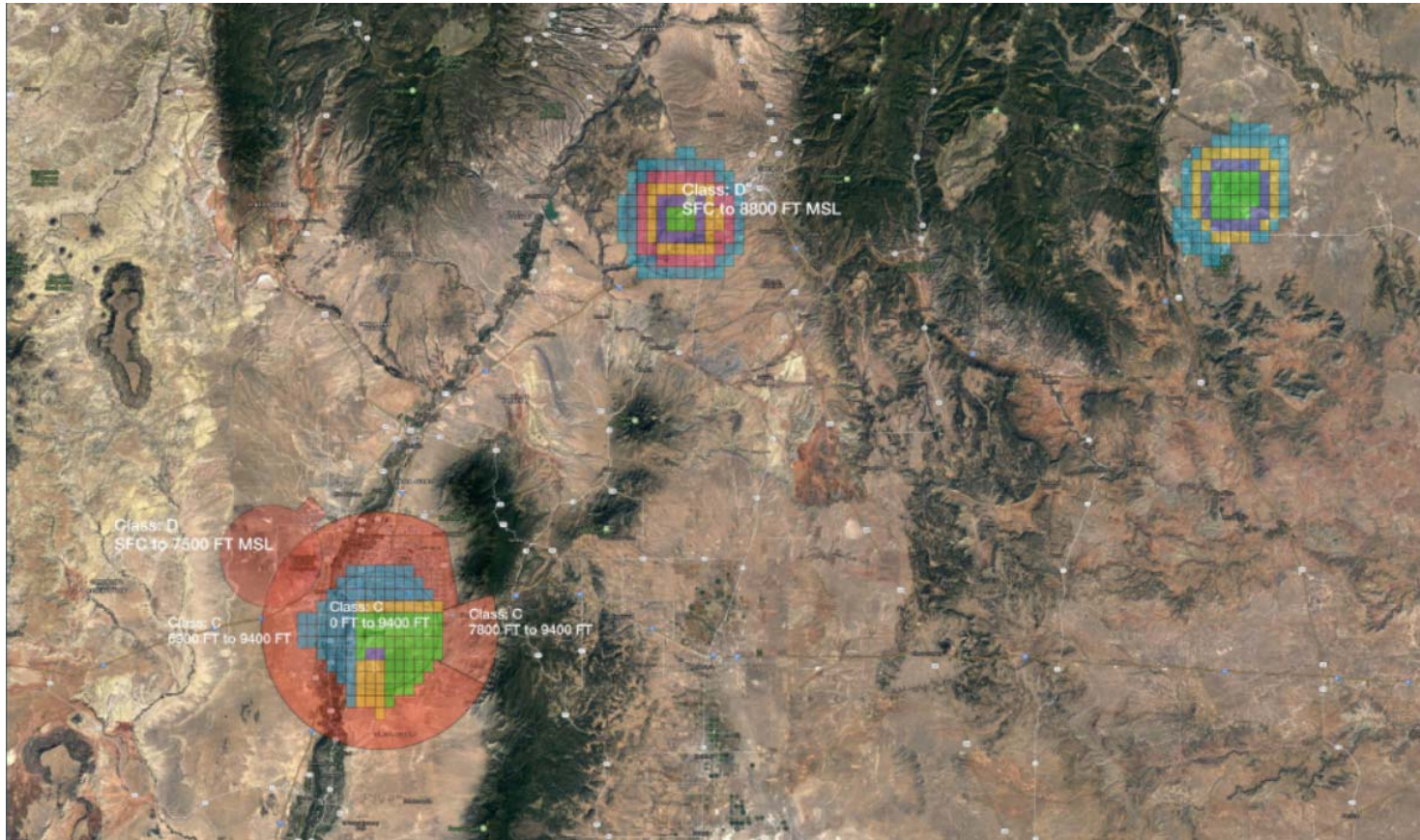
# Albuquerque (ABQ) and Santa Fe (SF) Airspace



# Clovis (LVS) Airspace



# ABQ, SF, and LVS Airspace & FAA Facilities Map



# Low Altitude Authorization and Notification Capability (LAANC)

- LAANC is the Low Altitude Authorization and Notification Capability, a collaboration between FAA and Industry
- It directly supports UAS integration into the airspace
- LAANC provides
  - ❑ Drone pilots with access to controlled airspace at or below 400 feet
  - ❑ Awareness of where pilots can and cannot fly
  - ❑ Air Traffic Professionals with visibility into where and when drones will operate
- Through the UAS Data Exchange, the capability facilitates the sharing of airspace data between the FAA and companies approved by the FAA to provide LAANC Services; the companies are known as UAS Service Suppliers (USS) – and the desktop applications and mobile apps to utilize the LAANC capability are provided by the USS



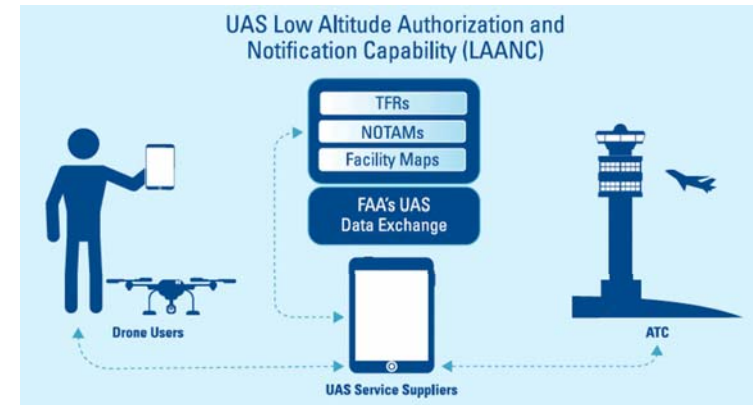
# Low Altitude Authorization and Notification Capability (LAANC)

- How does it work
  - ❑ LAANC automates the application and approval process for airspace authorization; through automated applications developed by an FAA-Approved USS pilots apply for an airspace authorization
  - ❑ Requests are checked against multiple airspace data sources in the FAA UAS Data Exchange such as UAS Facility Maps, Special Use Airspace data, Airports and Airspace Classes, as well as TFRs and NOTAMs
  - ❑ If approved, pilots can receive their authorization in near-real time
  - ❑ Unless specifically requested in an authorization, drone pilots do not need to notify the tower before they fly
  - ❑ LAANC provides airspace authorization only; pilots must still check NOTAMs, weather conditions, and abide by all airspace restrictions



# Low Altitude Authorization and Notification Capability (LAANC)

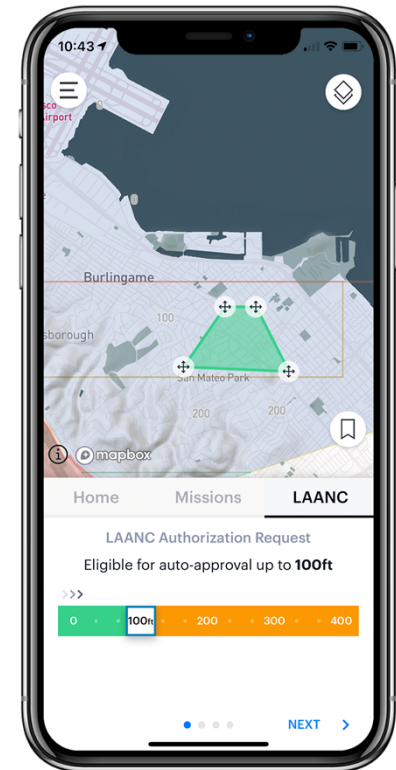
- How and when can drone pilots use LAANC
  - ❑ Drones pilots planning to fly under 400 feet in controlled airspace around airports must receive an airspace authorization from the FAA before they fly
  - ❑ LAANC is available to pilots operating under the Small UAS Rule Part 107 or under the exception for Recreational Flyers
  - ❑ You can access through one of the following FAA-Approved LAANC USS
    - ❖ [https://www.faa.gov/uas/getting\\_started/laanc#approved](https://www.faa.gov/uas/getting_started/laanc#approved)
    - ❖ Currently there are 10 LAANC USS





# Low Altitude Authorization and Notification Capability (LAANC)

- There are two ways to use LAANC
  - ❑ Submit a near real-time authorization request for operations under 400 feet in controlled airspace around airports (available to Part 107 Pilots and Recreational Flyers)
  - ❑ Submit a “further coordination request” if you need to fly above the designated altitude ceiling in a UAS Facility Map, up to 400 feet; you can apply up to 90 days in advance of a flight and the approval is coordinated manually through the FAA (available to Part 107 pilots only)



# Low Altitude Authorization and Notification Capability (LAANC)

- Where can I fly under LAANC
  - ❑ LAANC is available at 726 airports
  - ❑ If you want to fly in controlled airspace near airports not offering LAANC, you can use the manual process to apply for an authorization
  - ❑ The manual process involves the use of FAADroneZone to get approval by ATC; select Airspace Authorization; fill in the required fields; review and submit the application; and receive confirmation in 30 days or so

