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## ADS-B FAA Resource Update

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Byrnes, Kenneth, "ADS-B FAA Resource Update" (2016). *National Training Aircraft Symposium (NTAS)*. 25.  
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# Equip 2020

- Oct 24: FAA Call to Action
  - More than 80 representatives: operators, manufacturers, suppliers, and the FAA
  - Participants agreed to collaborate to solve barriers to ADS-B equipage
- Equip 2020 Working Group established in January 2015
  - Meets quarterly
  - Smaller working groups focus on solving barriers identified during the Call to Action:
    - Air Carrier Equipage/SAPT
    - General Aviation Equipage
    - Benefits and ADS-B In
    - Installation and Approvals

# Your Check List For On-Time Departure With ADS-B

**Do your research**  
on what equipment  
do you need  
based upon  
where you fly

**Find an**  
equipage  
installer  
to discuss  
your needs

**Schedule**  
your  
installation

**ADS-B**  
**Equipped**  
Cleared  
for takeoff!



# www.faa.gov/go/equipadsb

## NextGen Equip ADS-B

Starting January 1, 2020, you must be equipped with ADS-B Out to fly in most controlled airspace. Federal Regulations 14 CFR 91.225 and 14 CFR 91.227 contain the details. Find out how you should equip your aircraft depending on where you fly, what equipment has been FAA certified and other useful information.

### Your Checklist For On-Time Departure With ADS-B

- ✓ Research the equipment you need based on where you fly
- ✓ Find an installer to discuss your needs
- ✓ Schedule your installation
- ✓ ADS-B Equipped Cleared for takeoff!




### Research

What you need based on where you fly



### Installation

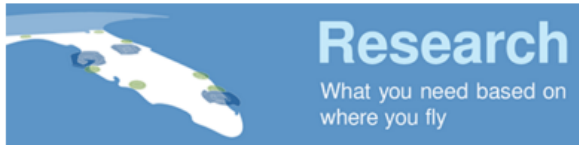
Things to consider before, during, and after



### Capabilities

What you can do with ADS-B technology

# www.faa.gov/go/equipadsb



## Research

What you need based on where you fly

### ADS-B Airspace



Will ADS-B Out be required where you fly? Take a look on our interactive map at the airspace around your home airport and other locations you fly to. And get an overview of ADS-B requirements per airspace.

### Do I Need to Equip?



This decision tree will help you figure out if you need to equip. Remember, ADS-B Out will be required to fly in most controlled airspace on January 1, 2020.

### Find Equipment

#### FAA Certified Equipment



A list of FAA-certified equipment installations that meet

the performance requirements of the ADS-B equipage rule, 14 CFR 91.225 and 91.227

#### Equipment Search Tool




Search by aircraft make and model in this database of equipment designed to meet the requirements of 14 CFR 91.225 and 91.227, either as separate components or complete installation solutions. The database includes both FAA-certified equipment and equipment in process.

### ADS-B Out Equipage Levels



How many aircraft are already equipped? More than 100,000 aircraft in the National Airspace System will need to equip with ADS-B Out before the January 1, 2020 mandate.

 Resources



## Installation

Things to consider before, during, and after

### Installing ADS-B



Learn what you need to put on your aircraft to comply with the ADS-B rule, read field approval guidance and make sure you prevent common installation errors.

### ADS-B Out Equipped?




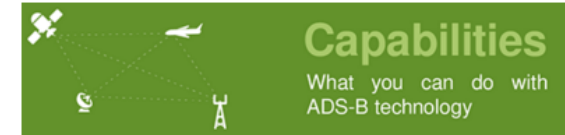
E-mail us with your N-number, ADS-B transmitter and GPS make/model numbers to find out if your equipment is working properly.

### ADS-B / TIS-B / FIS-B Problem Report



Have a TIS-B, FIS-B, or ADS-B problem to report? Fill out this form and we'll get back to you as soon as possible.

 Resources



## Capabilities

What you can do with ADS-B technology

### ADS-B Benefits



With ADS-B operational across the country, pilots in equipped aircraft have access to air traffic services that provide a new level of safety, better situational awareness, and more efficient search and rescue.

### Ins and Outs



What you need to know about how ADS-B works; the difference between ADS-B Out and ADS-B In; TIS-B, FIS-B and ADS-R; and how to get ADS-B services.

### Ground Stations and Surveillance



ADS-B ground stations are operational across the nation, broadcasting traffic, weather, and flight information to appropriately equipped aircraft. Air traffic control facilities are rapidly being updated to provide ADS-B surveillance services.

### ADS-B vs. Radar Coverage



ADS-B provides surveillance coverage at low altitudes not covered by radar. Take a look at ADS-B compared to radar coverage at multiple altitudes and other ADS-B-related airspace information.

### ADS-B Out Equipped?



E-mail us with your N-number, ADS-B transmitter and GPS make/model numbers to find out if your equipment is working properly.

### ADS-B / TIS-B / FIS-B Problem Report



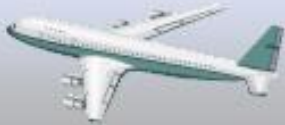
Have a TIS-B, FIS-B, or ADS-B problem to report? Fill out this form and we'll get back to you as soon as possible.

 Resources





1090ES  
Required



# Class A



1090ES  
Required



## 18,000'

UAT or 1090ES  
Required



# Class E

UAT or 1090ES  
Required



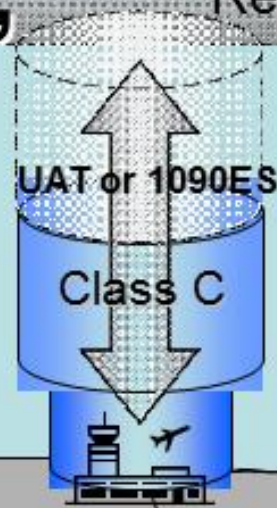
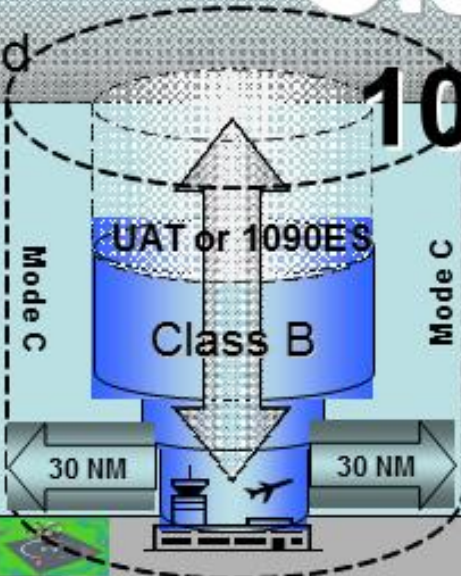
Excluding  
2500' AGL



## 10,000'



Gulf of Mexico



# ADS-B Equipment Search Tool

Search by aircraft make and model in this database of equipment designed to meet the requirements of 14 CFR 91.225 and 91.227, either as separate components or complete installation solutions. The database includes both FAA-certified equipment and equipment not yet approved. See Definitions Legend at the bottom of the page for additional details.

**i** The information on this page is provided by manufacturers and is not specifically endorsed by the FAA. Applicants for airworthiness approvals are responsible for compliance with FAA policies.

Aircraft Manufacturer:

Aircraft Model:

Compliance Status:

Search:

Show  entries

Showing 1 to 5 of 5 entries (filtered from 4,773 total entries)

Aircraft Manufacturer/Model	Solution Provider	Equipment Information	Compliance Status
<b>CESSNA</b> Model: 120 Fit Type: Data Not Provided	AVIDYNE	<b>Wiring</b> Data Not Provided  <b>Transponder/Transmitter</b> APX340  <b>Position Source</b> NexNav Mini  <b>Date Available</b> Available Now	<b>Complete</b>  Type of Solution: AML STC  Remarks: Data Not Provided