

Equip ADS-B PIA User Guide

ADS-B Privacy

In order to ensure the integrity of the ADS-B system, the FAA requires each Privacy ICAO Address (PIA) requester to verify their transponder is performing correctly, before and after the agency issues a PIA. To that end, the requester must perform a validation test using the FAA's ADS-B Performance Monitor as a condition for receiving a PIA. Once the FAA assigns a PIA to an aircraft, the owner/pilot must perform a second test. These tests are required to safeguard the system from incorrect PIA installations.

Step One: Obtain Initial PAPR

Your first step is to perform a validation flight and obtain a Public ADS-B Performance Report (PAPR) with your permanently assigned ICAO address. You will need to complete this step if you haven't performed a validation flight within 180 days of your request. You may be familiar with this process if you performed a validation flight after your initial ADS-B installation. To obtain a PAPR, fly your aircraft in airspace covered by ADS-B for at least 30 minutes. You can use the tools on [FAA's ADS-B website](#) to determine where to fly in order to meet this requirement.

After your flight, go to the [ADS-B Performance](#) page to obtain a PAPR (follow the instructions on the website to produce the PAPR). Use this PAPR to verify your ADS-B equipment is performing correctly. If the report does not indicate any areas of non-performance, proceed to the next step. If the report indicates areas of non-performance, those will need to be corrected before proceeding to the next step. The FAA will not issue a PIA for an aircraft without a clean PAPR.

Note: you do not need to submit the PAPR to the FAA; use it only to verify your equipment before proceeding to Step 2.

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Step Two: Request PIA

The next step is to submit a request for a PIA. Proceed to FAA's [PIA Request](#) page and fill in the required information. As a reminder, here are the requirements for obtaining a PIA:

- ☐ Aircraft must be *accurately* registered in the United States
- ☐ Aircraft must have an Alternate Flight Identification issued by a third-party service provider
- ☐ Aircraft must be equipped with certified ADS-B avionics that complies with TSO-C166B
- ☐ ADS-B avionics performance must be verified (by completing Step 1)

Be sure all of the statements above are true before requesting a PIA.

Below is a screenshot of the PIA Application Checklist:

Privacy ICAO Address Application: Checklist

The FAA Program Office provides this automated tool in order to assist aircraft owners and operators participating in the Privacy ICAO Address(PIA) program. Please complete the following pages to apply for a Privacy ICAO Address.

The following checklist provides a list of affirmation statements indicating your understanding of the legal and program requirements that must be met in order to participate in the ADS-B Privacy ICAO Address program. **All boxes must be checked in order to apply for a Privacy ICAO Address.**

Am I Eligible to apply for a Privacy ICAO Address?

- ☒ I understand that by providing my information, it will be used for the purposes of verifying eligibility for participation in and processing of data for a Private ICAO Address provisioning as well as ongoing communications with the DOT/FAA. This information will be retained in DOT Privacy Act System of Records, DOT/FAA-801, Aircraft Registration Records System of Records Notice (<https://www.gpo.gov/fdsys/pkg/FR-2015-12-15/pdf/2015-31647.pdf>).
- ☒ My aircraft is US registered in the FAA Civil Aircraft Registry and all registration information is correct.
- ☒ My aircraft is equipped with certified 1090 Link Version 2 ADS-B OUT avionics that comply with TSO-C166B.
- ☒ I have an Alternate Flight Identification issued by an FAA approved third-party provider.
- ☒ I have conducted a flight in accordance with the requirements of the PIA Program rules within the past 180 Days.
- ☒ I requested a Public ADS-B Performance Report (PAPR) for the above flight and the PAPR did not identify any areas of non-performance.
- ☒ I accept responsibility for any and all landing and overflight (or similar) fees incurred while using the PIA.
- ☒ I am the owner/authorized representative agent for the aircraft and have the legal authority to apply for the PIA. *If the Civil Aviation Registry (CAR) does not confirm the authorized representative for the aircraft, the FAA may at its discretion, request sufficient documentation to validate the applicant's legal authority to apply for the PIA*
- ☒ I understand that I may be fined or imprisoned if I obtain a Privacy ICAO Code reservation by knowingly and willfully falsifying or concealing a material fact, or making a false, fictitious or fraudulent statement.

[* Denotes A Required Action]

Proceed to Aircraft SelectionCancel

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The system will automatically complete an initial assessment to determine your eligibility based in part on information within the performance monitor. Any areas of non-performance will render your aircraft ineligible for a PIA. You will receive immediate feedback as to whether or not your aircraft is eligible for a PIA.

Once eligibility is confirmed, you will be asked to submit the following information:

1. Acknowledgement of the FAA notification of collection and management of personally identifiable information (PII) for the management of PIA assignment and their use in the NAS
2. Acknowledgement of the PIA Articles of Use in the NAS
3. Valid aircraft registration (permanent ICAO aircraft address) for the aircraft that will be assigned the PIA
4. Proof of authorization to use a third-party Flight ID with the identity of the provider
5. Aircraft owner's contact information (phone number, e-mail address, business or home address)
6. Aircraft owner's individual/company/organization Information
7. Requester's contact information (phone number, e-mail address, business or home address)
8. Validation that the aircraft's ADS-B emitter performance is qualified for ADS-B operations (operator will self-validate on website, but the system will check to see that a PAPR report was requested within the past 180 days)


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Below are screenshots of the PIA Application:

Privacy ICAO Address Application: Applicant Information

Please submit the requested information in the following sections in order to complete your application for a Privacy ICAO Address.

 Any knowing and willful misrepresentation in this PIA application or in any other matter or representation related to this PIA is subject to prosecution under Title 18 U.S.C. Section 1001.

Please provide the owner or operator of the aircraft receiving the Privacy ICAO Address.

Aircraft to receive Privacy ICAO Address

Tail Number:

* Owner/Operator:

Please provide the third party flight Identification provider and the aircraft's assigned flight identification that will be used while using a Privacy ICAO Address.

Third Party Flight Identification

* Flight ID Provider:

* 3rd Party Flight ID:

Please provide details from the PAPR Report used to validate your aircraft performs per the ADS-B Out Final Rule. Indicate if the aircraft was reporting a Privacy ICAO Address. If a PIA was used, include the Broadcast ICAO Address identified on the PAPR Report using Hexadecimal format.

ADS-B Performance Validation Flight

* Date on PAPR:

* Using PIA:

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Please provide the date the aircraft is expected to be reconfigured with the new Privacy ICAO Address.

Scheduled For Reconfiguration

* Scheduled Date:

Please provide the Privacy ICAO Address registrant's contact information.

- Phone number may be in US (###)###-#### or international +##### format, and may also include an extension.
- Please enter email address and click "Send Verification Code" to verify. An email will be sent to you with a verification code.
- Enter the code and click "Verify Code" to complete the verification process.

Contact Information

* US Phone Number:

Extension:

* Email Address:

[Send Verification Code](#)



Please ensure the email address entered is one you plan to keep during your PIA registration process. This email address will be tied to your Privacy ICAO Address, used for all future correspondence, and will be required to verify the installation.

Please confirm the following statements by checking the associated boxes and then enter your full name into the "Acknowledged By" box. **This will be your electronic acknowledgment for this Privacy ICAO Address application.**

Approve and Sign Application

- * ☐ By submitting this Privacy ICAO Address application, I acknowledge and understand that the Federal Aviation Administration (FAA) assumes no liability for any losses arising out of any action or inaction in connection with the conduct, activities or participation under this program.
- * ☐ By submitting this Privacy ICAO Address Application, I understand that any knowing and willful misrepresentation in the application or in any other matter or representation related to the Privacy ICAO Address is subject to prosecution under Title 18 U.S.C. Section 1001.

* Acknowledged By:

[* Denotes A Required Action]



I'm not a robot



[Submit Application](#)

[Cancel](#)

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Upon submitting your application, you will receive an email confirming that it was received, similar to the image below:

Dear Aircraft Owner/Operator <%TAILNUMBER_ASSIGNED%>:

Thank you for your participation in the Federal Aviation Administration's (FAA) Privacy ICAO Address(PIA) Program. FAA PIA program has received your PIA application and your request is in the review process to validate your PIA qualifications. You will receive an email with a decision regarding your PIA request within 10 business days. For additional information, please visit our website at https://www.faa.gov/air_traffic/technology/equipadsb/privacy.

You are not authorized to use a Privacy ICAO Address at this time.

Details of your Privacy ICAO Address request are shown below:

Privacy ICAO Address Request Status = PENDING

Privacy ICAO Address Assignment Overview		
Request ID	Status	Valid
Aircraft ICAO Address	Aircraft TailNumber	Expires
Owner / Operator		
Private ICAO Address		PIA Tail Number
Third-Party Flight ID Provider		Flight Identification

Application Overview		
Name on Application		
Contact Phone Number	Contact Email Address	
Requested	Scheduled Installation	Private ICAO Address in Use

If you require assistance, please email adsbprivacyicao@faa.gov and be sure to include your aircraft's tail number and sufficient information to address the question(s).

Please do not reply to this email; it is a distribution mailbox only.

ADS-B Privacy ICAO Address Program Office,
Federal Aviation Administration
https://www.faa.gov/air_traffic/technology/equipadsb/privacy

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Prior to assigning the PIA, the FAA will verify this information to ensure that there are no open FAA enforcement actions associated with the aircraft. If approved, the FAA will email your new PIA within 10 business days. The application acceptance email will be similar to the image below:

Dear Aircraft Owner/Operator <%TAILNUMBER_ASSIGNED%>:

Thank you for your participation in the Federal Aviation Administration's (FAA) Privacy ICAO Address(PIA) Program. Your PIA application is approved and you will have 30 calendar days to reconfigure the ICAO code and request a new Public ADS-B Performance Report (PAPR) for the new PIA (<https://adsbperformance.faa.gov/PAPRRequest.aspx>). Please follow the guidance provided by ADS-B equipment manufacturer when making changes to the 24-bit ICAO address. After you have the new PAPR, please visit our website at https://www.faa.gov/air_traffic/technology/equipadsb/privacy to complete the PIA process.

Authorized Privacy ICAO Address: <%SICAO_PRIVATE%>

You must complete the following steps no later than <%EXPIRES%> to retain your authorization to use this Privacy ICAO Address:

1. Configure your aircraft with your assigned Privacy ICAO Address and third-party flight identification.
2. Ensure your aircraft operates in accordance with the FAA ADS-B Out Final Rule.
 - o Verify areas of ADS-B Coverage prior to conducting any verification flights.
 - o Conduct a flight in accordance with the requirements of the PIA program rules using the assigned Privacy ICAO Address and third-party flight identification.
 - o Request a Public ADS-B Performance Report (PAPR) for the above flight
 - o Fix any items of non-performance identified in your PAPR.
3. When the aircraft has no areas of non-performance identified, submit your Privacy ICAO Address Verification to the FAA.

Please keep this email in a safe place, as it is your authorization to use this Privacy ICAO Address.

Details of your Privacy ICAO Address request are shown below:

Privacy ICAO Address Request Status = APPROVED		
Privacy ICAO Address Assignment Overview		
Request ID	Status	Valid
Aircraft ICAO Address	Aircraft TailNumber	Expires
Owner / Operator		
Private ICAO Address	PIA Tail Number	
Third-Party Flight ID Provider	Flight Identification	
Application Overview		
Name on Application		
Contact Phone Number	Contact Email Address	
Requested	Scheduled Installation	Private ICAO Address in Use

If you require assistance, please email adsbprivacyicao@faa.gov and be sure to include your aircraft's tail number and sufficient information to address the question(s).

Please do not reply to this email; it is a distribution mailbox only.

ADS-B Privacy ICAO Address Program Office,
Federal Aviation Administration
https://www.faa.gov/air_traffic/technology/equipadsb/privacy

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Step Three: Provide Proof of Third-Party Call Sign

Please send confirmation of your third-party flight ID via email to adsbprivacyicao@faa.gov. You can forward an email or scanned copy of your documentation from your third-party flight ID provider.

Step Four: Verify PIA Installation

You may program the new PIA into your transponder at any time. Follow the guidance provided by your ADS-B equipment manufacturer when making changes to your 24-bit ICAO address.

Note that this is a **TEMPORARY ASSIGNMENT**. You must complete the remaining steps within 30 calendar days in order to continue using the PIA.

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Step Five: Verify PIA Installation

The last step is to obtain a final PAPR to verify your equipment is broadcasting the new PIA. You need to complete another flight in airspace with ADS-B coverage¹. Again, the flight should last at least 30 minutes to ensure all parameters were captured by the performance monitor. Then, proceed to the [ADS-B Performance](#) page and request a PAPR. Ensure that the PAPR indicates that your transponder is broadcasting your newly assigned PIA. Then go to the [PIA Verification](#) page to validate your installation. You will be asked to confirm that you meet the criteria to verify your PIA using a checklist shown below:

Privacy ICAO Address Verification: Checklist

The FAA Program Office provides this automated tool in order to assist aircraft owners and operators participating in the Privacy ICAO Address initiative. Please complete the following pages to verify the installation of your Privacy ICAO Address.

The following checklist provides a list of affirmation statements indicating your understanding of the legal and program requirements that must be met in order to verify your ADS-B Privacy ICAO Address installation. **All boxes must be checked in order to verify a Privacy ICAO Address.**

Am I ready to verify my Privacy ICAO Address?

- ☐ I understand that by providing my information, it will be used for the purposes of verifying eligibility for participation in and processing of data for a Private ICAO Address provisioning as well as ongoing communications with the DOT/FAA. This information will be retained in DOT Privacy Act System of Records, DOT/FAA-801, Aircraft Registration Records System of Records Notice (<https://www.gpo.gov/fdsys/pkg/FR-2015-12-15/pdf/2015-31647.pdf>).
- ☐ I have previously completed a Privacy ICAO Address application and been assigned a Privacy ICAO Address.
- ☐ My aircraft has been configured with the assigned Privacy ICAO Address and third-party flight identification.
- ☐ I have conducted a flight in accordance with the requirements of the PIA program rules using the assigned Privacy ICAO Address and third-party flight identification.
- ☐ I requested a Public ADS-B Performance Report (PAPR) for the above flight and the PAPR did not identify any areas of non-performance.
- ☐ I accept responsibility for any and all landing and overflight (or similar) fees incurred while using the Privacy ICAO Address.
- ☐ I understand that I may be fined or imprisoned if I obtain a Privacy ICAO Address by knowingly and willfully falsifying or concealing a material fact, or making a false, fictitious or fraudulent statement.

[* Denotes A Required Action]

Proceed to Verification

Cancel

Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number. Public reporting for this collection of information is estimated to be approximately 5 minutes per response.

All responses to this collection of information are voluntary. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to the FAA at: 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ASP-110.

OMB Control No. **PIAXX-XXXX** Expiration Date (PIA)MM/DD/YYYY

¹ The FAA requires each requester to complete a test flight and use the resulting Performance Report to confirm the installation each time a new ICAO address is installed. For the purposes of this program, the FAA has eased restrictions regarding where these flights should take place. Any ADS-B airspace will suffice for the sake of a PIA test flight. Moreover, the test does not need to be a dedicated flight. Aircraft owners may elect to complete the test as part of any routine flight following the installation of a PIA. The important step is to remember to complete the verification process. Failing to do so may result in the revocation of the PIA assignment. If you cannot perform a flight test within 30 calendar days of receiving your PIA assignment, please respond to the email you received issuing your PIA. The FAA may grant an extension if no other flights by that aircraft have occurred.

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Once you complete the checklist, you will be directed to the verification page. You are required to input the date of your validation flight and the ICAO address reported in the PAPR. If the PIA matches the one now assigned to that aircraft, the FAA will send a confirmation email indicating that you can continue using the PIA. This verification process is required to be completed within 30 calendar days of receiving your PIA. The verification page is shown below:

Privacy ICAO Address Verification:

Please provide the registered tail number of the aircraft that received the Privacy ICAO Address, using its properly formed N-Number.

Aircraft's Registered Tail Number

* Tail Number:

Enter Tail Number

Please provide the PIA contact email address. **This email address must match the one provided on the PIA application.**

Contact Information

* Email Address:

Enter your email address

Please provide the start date of the operation and the broadcast ICAO address from the Public ADS-B Performance Report(PAPR) that validates your aircraft performs per the ADS-B Out Final Rule while using its Privacy ICAO Address. **The Broadcast ICAO Address on the PAPR must be the assigned Privacy ICAO Address.**

ADS-B Performance Validation Flight

* Date on PAPR:

Enter Start Date of Operation from PAPR

* Broadcast ICAO:

Enter Broadcast ICAO Address from PAPR (Hex)

Please confirm the following statements by checking the associated boxes and then enter your full name into the "Acknowledged By" box. **This will be your electronic acknowledgment for this Privacy ICAO Address verification.**

Approve and Sign Verification

* ☐ By submitting this verification, I acknowledge and understand that the Federal Aviation Administration (FAA) assumes no liability for any losses arising out of any action or inaction in connection with the conduct, activities or participation under this Privacy ICAO Address program.


* ☐ By submitting this verification, I understand that any knowing and willful misrepresentation in the verification or in any other matter or representation related to the Privacy ICAO Address is subject to prosecution under Title 18 U.S.C. Section 1001.

* Acknowledged By:

Enter your full name.

[* Denotes A Required Action]

☐ I'm not a robot


reCAPTCHA
Privacy - Terms

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Upon submitting the verification information, you will receive an email confirming its submittal, similar to what is shown below:

Dear Aircraft Owner/Operator <%TAILNUMBER_ASSIGNED%>:

Thank you for your participation in the Federal Aviation Administration's (FAA) Privacy ICAO Address(PIA) Program. Your PIA reconfiguration has been verified and you are now authorized to use your PIA within US airspace. Please contact us at adsbprivacyicao@faa.gov if you wish to withdraw the PIA. For additional information, please visit our website at https://www.faa.gov/air_traffic/technology/equipadsb/privacy.

Authorized Privacy ICAO Address:

It is your responsibility to ensure your aircraft remains compliant with the ADS-B Out Final Rule. Please periodically check your performance after flying using the FAA's Public Aircraft Performance Report.

Please keep this email in a safe place, as it is your authorization to use this Privacy ICAO Address.

Details of your Privacy ICAO Address are shown below:

Privacy ICAO Address Request Status = VERIFIED		
Privacy ICAO Address Assignment Overview		
Request ID	Status	Valid
Aircraft ICAO Address	Aircraft TailNumber	Expires
Owner / Operator		
Private ICAO Address	PIA Tail Number	
Third-Party Flight ID Provider		Flight Identification
Application Overview		
Name on Application		
Contact Phone Number	Contact Email Address	
Requested	Scheduled Installation	Private ICAO Address in Use
Verification Overview		
Verified	Name On Verification	

If you require assistance, please email adsbprivacyicao@faa.gov and be sure to include your aircraft's tail number and sufficient information to address the question(s).

Please do not reply to this email; it is a distribution mailbox only.

ADS-B Privacy ICAO Address Program Office,
Federal Aviation Administration
https://www.faa.gov/air_traffic/technology/equipadsb/privacy

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You may continue using the PIA as long as you wish UNLESS revoked by the FAA. After 20 days have elapsed, you may request a new PIA. Follow the same process as above starting at Step 2. You still need to confirm the correct installation of each PIA following the steps outlined in Step 4.