

NOTICE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

N 8900.269

National Policy

Effective Date:
7/17/14

Cancellation Date:
7/17/15

SUBJ: OpSpec/MSpec/LOA A153 ADS-B Out Operations Outside of U.S.-
Designated Airspace

- 1. Purpose of This Notice.** This notice provides new guidance for Federal Aviation Administration (FAA) certificate-holding district offices (CHDO) and principal inspectors (PI) assigned to operators conducting airplane operations under Title 14 of the Code of Federal Regulations (14 CFR) parts 91, part 91K, 121, 125 (including the Letter of Deviation Authority (LODA) 125M operators), and 135. This notice establishes the application and approval authority for operations specification (OpSpec)/management specification (MSpec)/letter of authorization (LOA) A153 (replacing OpSpec/MSpec/LOA A353) and updates the required Automatic Dependent Surveillance-Broadcast (ADS-B) documentation.
- 2. Audience.** The primary audience for this notice is FAA CHDOs and PIs assigned to operators conducting airplane operations under parts 91, 91K, 121, 125 (including the LODA 125M operators), and 135. The secondary audience includes Flight Standards Service (AFS) divisions and branches in the regions and in headquarters (HQ).
- 3. Where You Can Find This Notice.** You can find this notice on the My FAA employee Web site at https://employees.faa.gov/tools_resources/orders_notices. Inspectors can access this notice through the Flight Standards Information Management System (FSIMS) at: <http://fsims.avs.faa.gov>. Operators can find this notice on the FAA Web site at: <http://fsims.faa.gov>. This notice is available to the public at: http://www.faa.gov/regulations_policies/orders_notices.
- 4. Background.**

 - a. OpSpec/MSpec/LOA A153 Approval Authority.** As ADS-B was a relatively new technology when A353 was developed, it was determined that this OpSpec/MSpec/LOA should be designated as a HQ-level approval prior to its issuance. The thought process was to ensure that the knowledge and quality of A353 applications was consistent throughout the regions and at the same time allow the field inspectors to gain a greater understanding of ADS-B and the documentation that is required to issue A353. HQ has seen a consistent quality of incoming A353 applications. A153 replaces A353 and will be designated for approval at the CHDO/Flight Standards District Office (FSDO)/PI level. Additionally, changes will be incorporated into Advisory Circular (AC) 90-114, Automatic Dependent Surveillance-Broadcast (ADS-B)

Operations, and Volume 3, Chapter 18, Section 3, Part A Operations Specifications—General, replacing A353 with A153 and the associated documentation changes.

b. A153 Required Documentation. Current guidance on required documentation for authorization of A353 is located in Volume 3, Chapter 18, Section 3. This paragraph is being revised, as A153, to reflect the updated requirements for applicable Air Navigation Service Providers (ANSP). Effective with this notice, the following documentation must be submitted with A153 applications:

(1) Letter of Request. Include the applicable airplane make, model, and series (M/M/S), airplane registration number, serial number, and areas of intended operation.

(2) Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

(a) Part 91, § 91.227,

(b) AC 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems, current edition, or

(c) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

(3) A copy of a draft OpSpec B050 annotating the authorized en route areas where A153 will be used. (N/A for part 91 operators. For part 91 operators, the PI will enter the area(s) of intended operations in the "Conditions and Limitations" drop down box located in "Table 1" of the LOA template.)

(4) Part 91 operators: A statement that the operator's pilots have knowledge of current air traffic ADS-B directives for the intended areas of en route operation and will comply with § 91.703.

(5) Make, model, and part number of ADS-B transmitter and positioning source(s).

(6) Aircraft maintenance record (e.g., aircraft's maintenance record, logbook, or Computerized Maintenance Program (CMP)) that verifies ADS-B installation on applicable aircraft was accomplished per Supplemental Type Certificate (STC) or other FAA-approved means. (N/A for new aircraft certified with ADS-B Out.)

(7) A copy of the completed A153.

c. A153 Approval Authority. Effective with this notice, the PI is authorized to approve A153 after review of the required application documentation in accordance with this notice.

5. Action. PIs should provide this notice to the operators for whom they are responsible, alerting them to updated A153 ADS-B application approval authority as well as the updated documentation requirements needed in the application package. Operators with A353 issued are not required to replace it with A153; however, an existing A353 may be re-issued as A153 if requested by the operator without further documentation. A353 applications in coordination at the time of issuance of this notice will be directed back to the FSDO/CHDO for approval. The pending A353 applications that meet the requirements in subparagraph 4b may be issued A153 without further modifications to the A353 application package. New applicants must be issued A153.

6. Disposition. We will incorporate the information in this notice into FAA Order 8900.1 before this notice expires. Direct questions concerning the information in this notice to the Flight Technologies and Procedures Division (AFS-400) at 202-267-8790.

ORIGINAL SIGNED by

/s/ John Barbagallo
Acting Deputy Director, Flight Standards Service

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Appendix A. Sample OpSpec A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 121

1. Authorization. The certificate holder is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this operations specification.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew/Dispatch Training.

- (1) Participating flightcrew members must complete the certificate holder's approved ADS-B training program prior to conducting operations under this authorization.
- (2) Aircraft dispatchers/flight followers (as applicable) must complete the certificate holders approved ADS-B training program prior to dispatching or releasing flights into ADS-B designated airspace.

3. Aircraft Authorization. The certificate holder is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 in accordance with the limitations and provision specified in paragraph 2 above, and within the areas of en route operation authorized by, and in accordance with, paragraph B050.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

Appendix B. Sample OpSpec A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 125

1. Authorization. The certificate holder is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this operations specification.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew/Dispatch Training.

- (1) Participating flightcrew members must complete the certificate holder's approved ADS-B training program prior to conducting operations under this authorization.
- (2) Aircraft dispatchers/flight followers (as applicable) must complete the certificate holders approved ADS-B training program prior to dispatching or releasing flights into ADS-B designated airspace.

3. Aircraft Authorization. The certificate holder is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 in accordance with the limitations and provision specified in paragraph 2 above, and within the areas of en route operation authorized by, and in accordance with, paragraph B050.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

Appendix C. Sample OpSpec A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 135

1. Authorization. The certificate holder is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this operations specification.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew/Dispatch Training.

- (1) Participating flightcrew members must complete the certificate holder's approved ADS-B training program prior to conducting operations under this authorization.
- (2) Aircraft dispatchers/flight followers (as applicable) must complete the certificate holders approved ADS-B training program prior to dispatching or releasing flights into ADS-B designated airspace.

3. Aircraft Authorization. The certificate holder is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 in accordance with the limitations and provision specified in paragraph 2 above, and within the areas of en route operation authorized by, and in accordance with, paragraph B050.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

Appendix D. Sample OpSpec A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 121/135

1. Authorization. The certificate holder is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this operations specification.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew/Dispatch Training.

(1) Participating flightcrew members must complete the certificate holder's approved ADS-B training program prior to conducting operations under this authorization.

(2) Aircraft dispatchers/flight followers (as applicable) must complete the certificate holders approved ADS-B training program prior to dispatching or releasing flights into ADS-B designated airspace.

3. Aircraft Authorization. The certificate holder is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 in accordance with the limitations and provision specified in paragraph 2 above, and within the areas of en route operation authorized by, and in accordance with, paragraph B050.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

**Appendix E. Sample MSpec MA153, Automatic Dependent
Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated
Airspace: 14 CFR Part 91K**

1. Authorization. The program manager is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this management specification.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

(1) Title 14 CFR part 91, § 91.227,

(2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or

(3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew Training.

(1) Participating flightcrew members must comply with § 91.703 for any specific ADS-B directives outside of the United States.

3. Aircraft Authorization. The program manager is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 in accordance with the limitations and provisions specified in paragraph 2 above.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

Appendix F. Sample LOA A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 91

Letter of Authorization Automatic Dependent Surveillance-Broadcast (ADS-B) Operations Outside of U.S.-Designated Airspace

1. Authorization. The Operator listed at the bottom of this document is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this letter of authorization.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew Training.

(1) Participating flightcrew members must comply with § 91.703 for any specific ADS-B directives outside of the United States.

3. Aircraft Authorization. The Operator is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 below in accordance with the limitations and provisions specified in paragraph 2 above.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations

4. Responsible Person. This person should be the individual person who will be the operator, or, if the operator is a legal entity, then an officer, employee or person who that entity has contracted with in order to act on behalf of the legal entity with respect to the ADS-B authorization. This person must be a U.S. Citizen, or a person who holds a U.S. pilot certificate and who accepts responsibility for complying with the stated regulations.

a. If the Responsible Person named on this LOA relinquishes responsibility, this LOA becomes invalid.

b. Enter the name, email address, and telephone number of the Responsible Person in Table 2:

Table 2 – Responsible Person

Name	Email Address	Telephone Number

5. ADS-B Point of Contact (POC). If the operator has decided to use a separate individual other than the Responsible Person to fulfill this role, then the POC will be listed in Table 3, otherwise the Responsible Person will be listed in Table 2 and Table 3.

a. The POC is the individual the FAA should first contact with respect to the operator’s ADS-B compliant aircraft operations and maintenance status.

b. If the POC is other than the Responsible Person that individual is not authorized to sign the LOA.

c. Enter the name, email address, and telephone number of the ADS-B POC in Table 3:

Table 3 – ADS-B Point of Contact

Name	Email Address	Telephone Number

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Appendix G. Sample LOA A153, Automatic Dependent Surveillance-Broadcast (ADS-B) Out Operations Outside of U.S.-Designated Airspace: 14 CFR Part 125 (LODA A125)

Letter of Authorization Automatic Dependent Surveillance-Broadcast (ADS-B) Operations Outside of U.S.-Designated Airspace

1. Authorization. The Operator/Company is authorized to conduct flight operations using Automatic Dependent Surveillance-Broadcast (ADS-B) as authorized in this letter of authorization.

2. Limitations and Provisions.

a. Airplane Flight Manual. An FAA-approved Airplane Flight Manual (AFM), Airplane Flight Manual Supplement (AFMS), company-approved Flight Operations Manual (FOM), or pilot's operating handbook (POH), as applicable, must indicate the airplane's ADS-B system complies with any of the following:

- (1) Title 14 CFR part 91, § 91.227,
- (2) Advisory Circular (AC) 20-165, Airworthiness Approval of Automatic Dependent Surveillance - Broadcast (ADS-B) Out Systems or current version, or
- (3) European Aviation Safety Agency (EASA) Acceptable Means of Compliance (AMC) 20-24.

b. Required Flightcrew Training.

(1) Participating flightcrew members must comply with § 91.703 for any specific ADS-B directives outside of the United States.

3. Aircraft Authorization. The Operator/Company is authorized to conduct ADS-B operations specified for the approved aircraft listed in Table 1 below in accordance with the limitations and provisions specified in paragraph 2 above.

Table 1 - Aircraft Approved for ADS-B Operations

Aircraft M/M/S	Aircraft Registration Number	Aircraft Serial Number	Conditions and Limitations