

CAVS Using ADS-B IN Application Checklist

Purpose:

This checklist consolidates the required items needed to obtain approval to conduct CDTI Assisted Visual Separation (CAVS) using ADS-B IN. This checklist is intended to aid AFS personnel in determining the acceptability of submitted CAVS proposals.

Principal Inspectors:

1. Provide applicants with a copy of this checklist during the initial meeting and advise them to complete the checklist and include it as part of their application.
2. When the application is received, complete *CAVS Inspector Checklist* (pg. 4)

Note: Prior to forwarding an applicant's CAVS application, the Principal Inspector must ensure the proposal contains documentation that demonstrates compliance with each applicable requirement. If the application lacks supporting documentation, do not forward the application. Resolve any required items, which were not submitted, with the applicant prior to submitting to AFS-400.

Applicants:

1. Review AC90-114 "Automatic Dependent Surveillance-Broadcast (ADS-B) Operations," as amended. Refer to Appendix B "Cockpit Display of Traffic Information (CDTI) Assisted Visual Separation (CAVS) Using ADS-B IN" and Appendix C "ADS-B In Operations—Aircraft Qualification and Maintenance."
2. Complete Parts 1 & 2 of the required *CAVS Operator Application Checklist* (pgs. 2 & 3).
3. Include supporting documents (Exhibits A through F on page 3) **Note:** Submit only the documentation needed to evaluate your application. Submitting extraneous material may only delay the review process.
4. Forward application to the Principal Inspector.

A355 Operator Application Checklist (CAVS) Part 1: General Operator Information

Date of Application: _____

POC/Responsible Person:

Applicant POC	E-mail Address	Telephone Number
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Aircraft Proposed for CAVS Authorization:

Make	Model	Series
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Installation & performance standards:

ADS-B IN Equipment complies with TSO-C195b	Installation complies with AC 20-172B
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Name of ADS-B IN Software/hardware (e.g., SafeRoute version 1.x): ACSS SafeRoute Part Number 9003500-12907

Comments:

General operator comments specific to CAVS application package

A355 Operator Application Checklist (CAVS) Part 2: Operator Exhibits/Documents Submissions

Exhibit or Document	Exhibit/Document Title	Operator Indication of Inclusion	Operator Comments
A	Operator letter requesting CAVS authorization		
B	AFM, AFMS, or POH content		
	1. ADS-B OUT/IN system description (if not previously addressed)		
	2. CAVS system description		
	3. CAVS procedures		
	4. CAVS related contingency procedures		
	5. Aircrew authorization statement*		
C	MEL changes for ADS-B operations: Submit revisions of applicable MELs as they relate to ADS-B, CAVS, & CDTI equipment.		
D	Airworthiness/Maintenance. Submit instructions for continued airworthiness (ICA) and return to service (RTS) maintenance procedures applicable to the ADS-B IN and CAVS system equipment and software.		
E	Content of Pilot Training		
	1. ADS-B OUT/IN system description (if not previously addressed)		
	2. CAVS system operation		
	3. CAVS normal procedures <ul style="list-style-type: none"> a. Visual separation, b. Speed management c. Assessing closure rates d. Wake turbulence avoidance e. Weather minimums f. Use of range alert, crew coordination 		
	4. MEL procedures		
	5. Equipment limitations		
	6. CDTI interface		
	7. Contingency procedures		
F	Method of Pilot Training (e.g., Part 142 Training Center, Course of Instruction, In-House Training, Record of Course completion).		

*Not required for Part 91 operations

Inspector Checklist (CAVS)

FAA Inspector complete prior to forwarding operator's application package

#	Required Elements for CAVS Authorization	Submitted	FAA Inspector Recommendations and/or Comments
1	Operator Letter Requesting CAVS Authorization (B.7.2.1)*		
2	Memorandum from Principal Inspector Requesting Approval to issue Non-Standard Authorization		
3	Airplane CAVS AFM/ AFMS (B.7.2.2) (C.3)		
4	Operation Manuals and Checklists (B.7.2.3)		
5	Airplane MEL changes for ADS-B operations (B.7.2.5)		
6	Airworthiness/Maintenance & Periodic Checks of ADS-B Equipment (B.7.2.4) (C.4)		
7	Content of Pilot Training (B.7.2.6)		
8	Method of Pilot Training		

* AC 90-114B Appendix B reference paragraphs