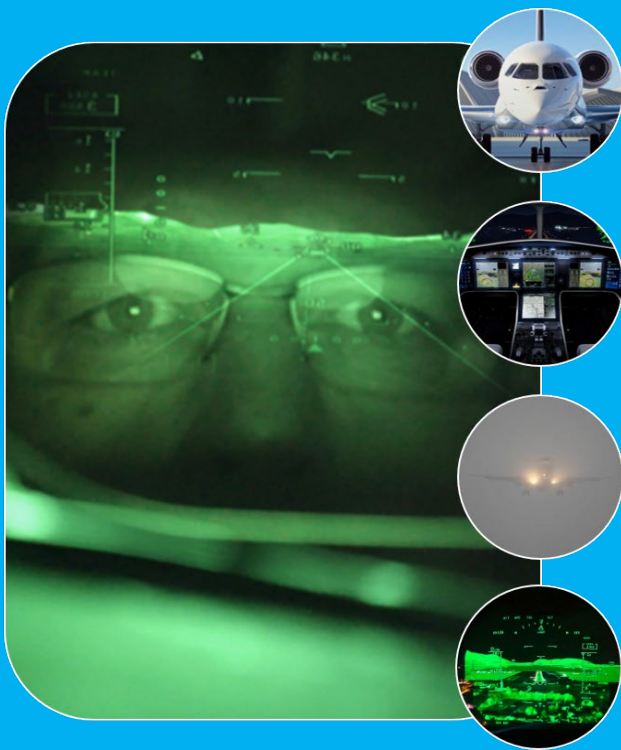


PART 135 APPLICATION GUIDE



OpSpec C048 EFVS Operations

Revision 6 (11/18/2024)

A Certificate Holder's guide for submitting an application for OpSpec C048 EFVS Operations

Inspector Guidance
FAA Order 8900.1, Volume 4, Chapter 17, Section 2

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Section 1 | Overview and Instructions

1.1 Overview

This guide facilitates the preparation and processing of a part 135 certificate holder's application for OpSpec C048 to conduct EFVS operation(s). The application may be used to request authorization to conduct EFVS operations to touchdown and rollout under § [91.176\(a\)](#), for EFVS operations to 100 feet above the touchdown zone elevation under § [91.176\(b\)](#), or both operations on the same authorization. Although it is not mandatory to use this guide, it is suggested to ensure standardization in the application process and to ensure the application meets the recommendations found in [AC 90-106 \(current edition\)](#).

EFVS resources and guidance can be found on the FAA's [EFVS webpage](#).

1.2 Instructions

1. **IMPORTANT:** Schedule a pre-application meeting with an aviation safety inspector at your FAA Safety Assurance Office. The purpose of this meeting is to clarify the process and to identify the appropriate documentation that should be submitted.
2. Provide the information requested in Section 2.
3. Attach supporting documents identified in Section 3 to this guide.
4. Be prepared to demonstrate and discuss the items in Section 4. These items will give an inspector a better understanding of your operation, but the list may not be all inclusive. Additional items may be discussed or requested during your pre-application meeting.
5. Forward the completed application guide to the Principal Inspector. It is preferred to submit the completed application guide electronically utilizing the Operations Approval Portal System (OAPS) or email.



Section 2 | Applicant Information

Complete the form. Failing to complete the form may result in processing delays.

Point of Contact for the Application		
<i>This is the person the FAA will contact about the contents of this application</i>		
Name:		Phone:
Email:		
Certificate Holder Information		
<i>This is the person / entity with operational control of the aircraft (Type Complete Legal Name)</i>		
Name:		4 letter FAA Designator:
Aircraft Information		
Airport Name and Identifier where the aircraft is located:		
Manufacturer:	Model:	Series:
EFVS Sensor Manufacturer and Model:		
Requested EFVS Operation		
<i>Select the EFVS operation(s) you plan to conduct with this aircraft.</i>		
EFVS Operation(s) Requested:		
Training Information		
Who provides the certificate holder's approved EFVS training?:		
EFVS Operational Credit		
<i>Complete this section only if you are requesting to use EFVS Operational Credit.</i>		
<p>Note 1: The Flight Technologies and Procedures Division evaluates available performance data from numerous sources to determine a recommended standard credit for the EFVS sensor. A certificate holder applying for EFVS operational credit that elects to use the standard credit recommended in the Operational Suitability Report (OSR), Operational Credit for Enhanced Flight Vision Systems would avoid the burden of demonstrating system performance in the application process and would also ease the burden of the issuing FAA office which may expedite the processing time and issuance of OPSpec C048.</p> <p>Note 2: If authorized in OpSpec C048, pilots may use EFVS operational credit to either determine the minimum forecast visibility for releasing a flight to the destination airport and/or to determine the minimum reported visibility to execute an approach using an EFVS. (§ 135.219 and § 135.225).</p> <p>Note 3: If authorized in OpSpec C048, properly trained ground personnel responsible for releasing flights may use EFVS operational credit to determine the minimum forecast visibility for releasing a flight to the destination airport. (§ 135.219).</p>		
What EFVS Operational Credit value are you requesting?		

Section 3 | Supporting Documentation

Documentation

The following documentation should be included in the application.

Aircraft Capability Documents:

- ☐ Provide a copy of AFM(S) statements verifying that your EFVS was installed in accordance with [AC 20-167](#) and is eligible for the EFVS operations requested on the form in Section 2.
- ☐ If the certificate holder requests to use EFVS operational credit greater than what is recommended in the [EFVS OSR](#), provide data that demonstrates the sensor performance (visual advantage) values meet the requested credit.

Note: The [EFVS OSR](#), [AC 20-167 \(current edition\)](#), and RTCA DO-390 should be referenced for the standard methods used to demonstrate quantified visual advantage.

Training Documentation:

Provide the EFVS curriculum for pilot training and highlight the following:

- ☐ Evidence that the EFVS training curriculum includes the ground training subjects in [§ 61.66\(a\)](#) and the flight training tasks in [§ 61.66\(b\)](#) for the EFVS operation(s) requested in Section 2.

Note: A certificate holder's training provided by a part 142 training center that incorporates a previously approved EFVS training curriculum, meets the requirements of [§ 61.66\(a\)](#) and (b).

- ☐ Evidence the competency check includes tasks appropriate to the EFVS operation(s) the certificate holder is requesting to conduct.
- ☐ Evidence pilot records of training (ROT) include compliant endorsement(s) for the operation(s) they have been trained to conduct.
- ☐ If the certificate holder is requesting for pilots to use EFVS operational credit, highlight the evidence that the pilot training curriculum includes the use of EFVS operational credit.
- ☐ If the certificate holder is requesting for ground personnel to use EFVS operational credit to dispatch/release a flight, provide the EFVS curriculum for ground personnel and highlight the evidence that the training curriculum for ground personnel assigned operational control includes training on the use of EFVS operational credit to dispatch/release a flight.

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Operating Manuals:

- ☐ Attach sections of applicable operating manuals (AOM, FOM, POH, and/or QRH), that contain the certificate holder's EFVS procedures. The manuals should reflect certificate holder's procedures for conducting EFVS operations and using EFVS operational credit, if applicable.

Note: All EFVS procedures and limitations should follow those outlined in the AFM(S).

EFVS Provisions in the MEL:

- ☐ If you are seeking MEL relief for EFVS, attach the proposed MEL provisions that contain the appropriate operations and maintenance procedures that consider all applicable components of the EFVS for MEL submission, review, and approval.

EFVS Maintenance Procedures

- ☐ Provide a description of how you comply with the EFVS manufacturer's Instructions for Continued Airworthiness (ICAs).
- ☐ If the applicant is responsible for the training of maintenance personnel, attach the EFVS training curriculum for maintenance personnel as described in [AC 90-106 \(current edition\)](#).



Section 4 | Demonstration

The FAA’s process for approval and acceptance includes observing and evaluating the certificate holder’s ability to perform the proposed EFVS operation(s) in accordance with the procedures, guidelines, and parameters described in the certificate holder’s formal proposal. The means for meeting the operational demonstration objectives and an appropriate timeline are explained in [AC 90-106 \(current edition\)](#).

Demonstration Items (Be prepared to discuss and demonstrate the following)
<input type="checkbox"/> Amendments to manuals, procedures, and checklists for EFVS operations have been appropriately incorporated and distributed to all applicable personnel.
<input type="checkbox"/> EFVS maintenance practices are conducted in accordance with MEL, ICAs, and other manufacturer’s guidance.
<input type="checkbox"/> EFVS training for flightcrews, maintenance personnel, and persons authorized to exercise operational control provides the knowledge, skills, and competency to safely conduct EFVS operations.
<input type="checkbox"/> The ability of flightcrews and persons authorized to exercise operational control of an aircraft (e.g., dispatch, release, etc.) to properly plan and dispatch/release a flight in accordance with the regulations, applicable operating credit, and conditions or limitations in the certificate holder’s authorization.
<input type="checkbox"/> The ability of qualified flightcrews to conduct EFVS operations in accordance with the regulations, applicable operating credit, and conditions or limitations in the certificate holder’s authorization.

Section 5 | EFVS User Feedback



The Flight Technologies and Procedures Division EFVS specialist collects information from willing pilots via a web-form found on the FAA's EFVS webpage. There are no usernames, passwords, or agreements to sign. The data submitted is anonymous and will help inform future EFVS operational credit and policy.

EFVS User Feedback web-form is located at: www.faa.gov/efvs/feedback

Do your pilots plan to use the EFVS Pilot Feedback Program? ☐ YES ☐ NO



EFVS Operations						
Date	EFVS Sensor	Airport	IAP Visibility Minimums	Actual Visibility	Obscuration Type	Did the Pilot See the Visual References
11/6/2018	Kollman EVS II	KSLN	1/2 mi	1/4 mi		No
11/6/2018	Kollman EVS II	KHRL	1800 ft	1200 ft	FG	Yes
11/8/2018	Kollman EVS II	KSLN	1/2 mi		FZFG	No
11/9/2018	Kollman EVS II	KTLH	1/2 mi	1/4 mi		Yes
12/11/2018	Kollman EVS II	KHTS	2400 ft	2200 ft		Yes
12/14/2018	Kollman EVS II	KRST	1800 ft	1200 ft	FZFG	Yes
12/26/2018	Kollman EVS II	KHTS	4000 ft	1000 ft	FZFG	Yes
2/12/2019	Kollman EVS II	KRSW	1800 ft	1400 ft	FG	Yes
6/7/2019	Kollman EVS II	KBUF	1800 ft	1200 ft		Yes
7/6/2019	Kollman EVS II	KSGF	1800 ft	1200 ft	FG	Yes

