Enhanced Flight Vision Systems

Training Record Endorsements

Provided by

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Flight Operations Group
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This presentation provides a basic overview of training record endorsements required for conducting EFVS operations. The information is not comprehensive and does not supersede FAA regulations, orders, or guidance material.

Regulatory guidance regarding EFVS training record endorsements can be found in 14 CFR, part 61, § 61.66. Additional information regarding EFVS training record endorsements can be found in AC 90-106 and AC 61-65.
Regulations

14 CFR Part 61, § 61.66 requires a pilot training record endorsement in order to conduct EFVS operations. The endorsement is a critical component to the operational implementation of EFVS operations. Inspectors use the information in a training record endorsement to properly issue authorizations for EFVS operations.
The § 61.66(a) endorsement addresses EFVS ground training ....

Section 61.66(a)(1)(ii) states:

*Obtains a logbook or training record endorsement from an authorized training provider certifying the person satisfactorily completed the ground training appropriate to the category of aircraft for which the person is seeking the EFVS privilege.*

Does your § 61.66(a) endorsement contain this information?
EFVS Flight Training Endorsement

The § 61.66(b) endorsement addresses EFVS flight training …

Section 61.66(b)(1)(ii) states:

Obtains a logbook or training record endorsement from an authorized training provider certifying the person is proficient in the use of EFVS in the category of aircraft in which the training was provided for the EFVS operation to be conducted.

Note: Unlike the § 61.66(a) endorsement for ground training, the § 61.66(b) endorsement for flight training must identify the EFVS operation that the training covered.

Does your § 61.66(b) endorsement contain this information?
EFVS Supplementary Training Endorsement

The § 61.66(c) endorsement addresses supplementary training.

Section 61.66(c)(2) states:

Obtain a logbook or training record endorsement from the authorized training provider certifying the person is proficient in the use of EFVS in the category of aircraft in which the training was provided for the EFVS operation to be conducted.

Does your § 61.66(c) endorsement contain this information?

Note: The § 61.66(c) the endorsement for supplementary training looks similar to the § 61.66(b) endorsement for flight training. These are very different endorsements and have significant impacts on application requirements.
EFVS Endorsement Exceptions

A training record endorsement is NOT required for individuals that can show documentation of EFVS training prior to the effective date of § 61.66.

Section 61.66(h)(4) states:

The requirements of paragraphs (a) and (b) of this section do not apply if a person is conducting EFVS operations under § 91.176(b) of this chapter and that person documents that prior to March 13, 2018, that person satisfactorily completed ground and flight training on EFVS operations to 100 feet above the touchdown zone elevation.

Do you have this documentation?

Note: Although training record specific endorsements are not required, there is still a requirement for training documentation in order to conduct an EFVS operation.
Sample Endorsements and Training Documentation

The FAA publishes guidance on pilot endorsements in AC 61-65. In this section we have included some examples of endorsements that training centers are providing to their students. Ask yourself: Does my endorsement address all the requirements of the regulation?

This advisory circular (AC) provides guidance for pilot and instructor applicants, pilots, flight instructors, ground instructors, and examiners on the certification standards, knowledge test procedures, and other requirements in Title 14 of the Code of Federal Regulations (14 CFR) part 61.
Sample Endorsement
Ground and Flight Training

Remarks
The client has satisfactorily completed the ground training required by 61.66(a) for EFVS operations in this category of aircraft.
The client has satisfactorily completed the flight training required by 61.66(b) for EFVS operations and was found to be proficient in the use of EFVS in this category of aircraft for operations conducted under 91.176(b).

✓ The ground training met § 61.66(a) requirements
✓ The flight training met § 61.66(b) requirements
✓ The training was satisfactorily completed
✓ The training was for § 91.176(b) operations
✓ The training was for the airplane category

Note: Endorsement from an actual record of training.
Sample Endorsement
EFVS Supplementary Training

FAR 61 Endorsements: 61.66(c)[✓]

Remarks
The pilot has satisfactorily completed the ground and flight training required by 61.66(c) for EFVS operations and was found proficient in the use of EFVS in this category of aircraft for operations conducted under 91.176(a).

Note: Endorsement from an actual record of training.

✓ The training met the requirements of § 61.66(c)
✓ The training was for § 91.176(a) operations
✓ The training was satisfactorily completed
✓ The training was for the airplane category

Note: This endorsement must be accompanied with either documentation of prior EFVS training or an endorsement for § 61.66(a) and § 61.66(b) for the other operation, in this case § 91.176(b), because it is supplementary training.
Remarks

HUD Proficiency Check IAW G280 FSB Appendix 4 – Satisfactory
EFVS Proficiency Check IAW G280 FSB Appendix 5 – Satisfactory
Demonstrated Proficiency as SIC during G280 EFVS Operations

Note: Endorsement from an actual record of training.

Remarks

EFVS was trained as part of the normal pilot training curriculum.
HUD was trained as part of the normal pilot training curriculum.
Date/No. Takeoff/Night landings; 08/25/15 - 6

Note: Endorsement from an actual record of training.

✓ Record of training shows evidence of EFVS training
EFVS Applications

The endorsement is critical to a smooth application process:

1. It is a regulatory requirement and must be in the training record to obtain EFVS authorization
2. It contains important information that allows the inspector to issue an appropriate authorization more efficiently
Common Application Errors

The training records do not contain a complete endorsement. Inspectors will reject the application until the applicant can get the their training providers to add the proper endorsements to their training records.

Applications for § 91.176(a) operations only contain training records with a § 61.66(c) endorsement. In this case the training endorsement is from a supplemental course. The inspector will need to see the endorsement for § 91.176(b) operations if the training was done after March 13, 2018 or training documentation for § 91.176(b) if the training was done prior to that date. If you are already hold C048 authorizing § 91.176(b) operations this should be sufficient evidence of prior training.
For questions regarding endorsements, contact the EFVS POC