

Supporting Statement A
Federal Aviation Administration
Physiology Training Record
OMB 2120-XXXX

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection.

Aviation physiology training is offered by the Civil Aerospace Medical Institute (CAMI) as is outlined in AC 61-107B (2-8.). The authority for collecting this information is contained in 49 U.S.C. 44703, and 14 CFR 61.31. The data on the Physiology Training Record is required to verify that a person can safely enter an oxygen deprived training environment created by hypobaric or normobaric means without an expectation of experiencing unintentional negative results. This includes an increased/accelerated onset of hypoxia, issues (e.g., barotrauma, decompression sickness) resulting from reduced barometric pressure or any other debilitating issue while experiencing their symptoms of hypoxia in a training environment.

Students voluntarily enroll in the aviation physiology course, which is offered to aircrew with an FAA Class 1, 2 or 3 aviation medical certificate or are flying under the BasicMed program and are at least 18 years of age. The goal is that those individuals will have a greater understanding of the stressors in an aviation environment that could affect the onset of hypoxia with the ability to experience their personal symptoms. Doing this should allow them to respond more quickly and correctly in an actual aviation situation.

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection.

The information collected on the Physiology Training Record is required by students attending aviation physiology training that wish to participate in hypobaric or normobaric hypoxia training. It is reviewed by a member of the CAMI Airman Education Program team to ensure those desiring to participate in this training have the necessary aviation medical qualification. Additionally, the “yes” or “no” questions are reviewed to ensure there are no known health issues that would prevent their participation in entering a low-oxygen environment to experience their symptoms of hypoxia. To that end a person that is:

1. “Taking any medications that were not approved at the time of your last FAA medical exam” could mask a health issue or present an unexpected result during hypobaric or normobaric training operations.
2. Having “a cold or nasal congestion” could cause problems with equalizing pressure in the ears or sinuses during hypobaric training operations.
3. Having “an ear infection now or...in the past 30 days” could affect the ability to equalize pressure in the ears during hypobaric training operations.

4. Having a “history of significant ear pressure blocks during flying” could be an indicator of an inability to equalize pressure in the ears during hypobaric training operations.
5. Having had a “ruptured eardrum since your last FAA medical exam” could indicate a health risk during hypobaric training operations.
6. Having “any symptoms of upset stomach, gas, or diarrhea” could indicate a health risk of gas expansion during hypobaric training operations.
7. Having had “any operations or been hospitalized within the last 90 days” could indicate a health risk that could be exacerbated during hypobaric or normobaric training operations.
8. Having “been unconscious because of illness or injury within the past 12 months” could indicate a health risk that could be exacerbated during hypobaric or normobaric training operations.
9. Having “had convulsions or been evaluated for possible epilepsy” could indicate a health risk that could be exacerbated during hypobaric or normobaric training operations.
10. Having “had any disease or surgery of the heart or vascular system” could indicate a health risk that could be exacerbated during hypobaric or normobaric training operations.
11. Having “had any disease or surgery of the lungs or chest” could indicate a health risk that could be exacerbated during hypobaric or normobaric training operations.
12. Having “participated in scuba diving during the last 24 hours” could increase the risk of decompression sickness during hypobaric training operations.
13. Having “donated blood in the past 72 hours” could result in an accelerated onset of hypoxia and decreased recovery from hypoxia during hypobaric or normobaric training operations.
14. Having a “low hematocrit or hemoglobinopathy (such as sickle cell anemia)” could result in an accelerated onset of hypoxia and decreased recovery from hypoxia during hypobaric or normobaric training operations.
15. Having had “altitude sickness or prior problems with hypoxic exposure including chamber flight” could indicate a health risk that could be exacerbated during hypobaric training operations.
16. The “possibility that you are pregnant” could result in an accelerated onset of hypoxia and decreased recovery from hypoxia as well as danger to the unborn baby during hypobaric or normobaric training operations.

Any questions resulting in a “yes” answer require a brief explanation to determine if a significant risk exists and if the person should be allowed to participate in dynamic hypoxia training.

Although the information is collected, it may not be expected to be disseminated directly to the public, results may be used in scientific, management, technical or general information publications. Once used to verify a student’s ability to participate in training, the form is stored in a filing cabinet in a locked room and kept until it reaches the end of its retention period. At that point it is destroyed.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology.

The only information collected through electronic means is basic contact and identifying information submitted by students through the registration tool to request class dates and enroll. This includes the student's full name, date of birth, email address, type of aviation medical, country of citizenship, organization or company name, phone number, whether the training is required or part of a paid flying position, and their aircrew or non-aircrew status.

This information is then manually transferred to a form, which is provided to the student upon attendance of the training course for verification. Once verified, students complete the remaining medical qualification questions using a paper form. No automated, mechanical, or advanced electronic data collection systems are used beyond the initial receipt of contact information via registration tool.

The information collected on the form is done on paper, and not through automated, electronic, mechanical or other technological means. This is because doing so is not possible as it is used in a classroom setting for those that attend training at the time of arrival at the training site and technology is not made available. The form is not available to be printed off the Internet and the information will not be made available to the public.

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purposes described in Item 2 above.

As the form is used for specialized training, there is no other similar document available.

5. If the collection of information involves small businesses or other small entities, describe the methods used to minimize burden.

This collection will not involve small businesses or small entities.

6. Describe the consequences to Federal program or policy activities if the collection is not conducted or is conducted less frequently, as well as any technical or legal obstacles to reducing burden.

If the collection of information is not conducted, aviation physiology training cannot be conducted in a safe manner as determination of the proper aviation medical certification and health of the student cannot be ascertained. As the information is only collected in relationship to that training event, there is not the possibility of collecting it less

frequently.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:

The information is collected for a student each time they attend aviation physiology training to participate in hypoxia training in either a hypobaric or normobaric training device. If they were to attend more than once in a quarter, there would be the need for them to complete the form for each event as their medical status could change and would need to be verified.

8. Provide information on the PRA Federal Register Notice that solicited public comments on the information collection prior to this submission. Summarize the public comments received in response to that notice and describe the actions taken by the agency in response to those comments. Describe the efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

This Physiology Training Record is a form contained within a system of records. A Federal Register Notice published on May 14, 2025 (90 FR 20549) solicited public comment. No comments were received.

9. Explain any decisions to provide payments or gifts to respondents, other than remuneration of contractors or grantees.

There will be no payments or gifts provided to respondents.

10. Describe any assurance of confidentiality provided to respondents and the basis for assurance in statute, regulation, or agency policy.

Information provided on this form will be handled and stored in accordance with the DOT/FAA828 Physiological Training System. All personally identifiable information (PII) will be maintained in accordance with applicable federal privacy laws and agency policies, including the Privacy Act of 1974 [5 U.S.C. § 552a]. Data will be protected against unauthorized access and will only be accessible to authorized personnel for official use. No individually identifiable information will be disclosed without the respondent's consent, except as required by law.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private.

There are no questions on the form that pertain to sexual behavior and attitudes, religious beliefs and any commonly considered private matters.

12. Provide estimates of the hour burden of the collection of information. The statement should:

- **Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated. Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desirable. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices. * If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens.**
- **Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included under item 13.**

It is estimated that this form will be completed by 2,500 to 3,000 students, depending on demand, attending aviation physiology training annually that desire to participate in hypoxia training in either a hypobaric or normobaric training device. It will take each person approximately 5 minutes to verify the spelling of their name, complete the form with 2 pieces of information from their FAA Class 1, 2 or 3 medical certificate or BasicMed certificate, answer the 15-16 yes/no questions, provide any explanations of answers of a "yes" response and for the Airman Education Team Member to review it. There is no cost to those completing the form as there is no cost for the course.

Summary (Annual numbers)	Reporting	Recordkeeping	Disclosure
# of Respondents	3,000	0	0
# of Responses per respondent	1	0	0
Time per Response	0.08	0	0
Total # of responses	3,000	0	0
Total burden (hours)	240	0	0

13. Provide an estimate for the total annual cost burden to respondents or record keepers resulting from the collection of information.

There is no annual cost burden on respondents or record keepers resulting from the collection of information.

14. Provide estimates of annualized costs to the Federal government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing, and support staff), and any other expenses that would not have been incurred without this collection of information.

The estimated annualized cost to the Federal Government for this information collection is approximately \$1404.80 in personnel time and a minimal cost for printing materials.

Personnel Time: It is estimated that 20 staff hours annually are required to manage and process the information collected. At an average fully loaded hourly rate of \$63.94 per hour (base wage averaged at \$39.31 with overhead and fringe at \$24.63) based on data collected from the [US Bureau of Labor Statistics](#), this results in an annual cost of \$1278.80.

Printing Materials: Costs are limited to printing forms. These are expected to be minimal, estimated at approximately \$126, bringing the total estimated cost to \$1404.80 annually.

These expenses would not have been incurred without the collection of information necessary to enroll and verify eligibility for participation in physiology training.

15. Explain the reasons for any program changes or adjustments.

This is a new collection.

16. For collections of information whose results will be published, outline plans for tabulation and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection of information, completion of report, publication dates, and other actions.

The information collected will not be published.

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons why display would be inappropriate.

This is not being sought.

18. Explain each exception to the topics of the certification statement identified in “Certification for Paperwork Reduction Act Submissions.”

There are no exceptions.