

Supporting Statement A

National Aeronautics and Space Administration Flight Analog Projects (FAP) Crew Selection Questionnaire OMB Control No. 2700-0174

Type of information collection: Revision of a Previously Approved Information Collection.

Abstract: The Flight Analog Projects Crew Selection Questionnaire is intended for individuals interested in serving as crew test subjects for National Aeronautics and Space Administration (NASA)'s analog missions. The questionnaire invites members of the public who wish to contribute to space exploration to review the information provided and, if interested, apply for consideration as a NASA analog crew member. It is used to determine whether applicants meet the initial eligibility requirements and serves as the first step in the screening and evaluation process.

Summary of Changes from Previously Approved Collection:

- The questionnaire was updated across demographic, physical, health, experiential, and recruitment categories. Revisions included updating wording, expanding response options, and removing outdated language to improve clarity and alignment with current program needs.
- The annual cost burden to respondents and the annualized Federal government cost was updated to reflect the revised Bureau of Labor Statistics (BLS) data.
- De minimis change from gender to sex per Executive Order 14168, "Defending Women from Gender Ideology Extremism and Restoring Biological Truth to the Federal Government".

1. Need for the Information Collection.

The NASA Human Research Program (HRP) is responsible for identifying, understanding, and mitigating the highest risks to astronaut health and performance. Its goal is to ensure that crew members remain healthy and productive during long-duration missions beyond low Earth orbit. To achieve this, HRP leverages research through ground-based flight analogs such as the Pressure Chamber Analog, the Mars Exploration Analog, and other analog studies.

As NASA prepares for crewed missions to the lunar surface, and eventually into deeper space, HRP's biomedical research and technological development efforts are enabling the Agency to send humans farther and for longer durations. The collection supports the selection of test subjects for ground-based analog missions and helps ensure access to a broad and diverse participant pool.

2. Purpose and Use of the Information Collection.

HRP uses human analog missions in a variety of controlled environments to simulate critical aspects of human space exploration missions, including those to the Moon, asteroids, and Mars. Analog missions are Earth-based activities that mimic the challenges found in spaceflight, such

as isolation, confinement, and operational stressors. These missions play a key role in producing research data that informs the future direction of human exploration across the solar system. Participants in analog missions contribute directly to NASA's objectives by taking part in valuable scientific studies that support human health and performance research.

The information collected through the FAP questionnaire is geared towards getting minimal but enough information for preliminary evaluation to become a ground study crew member. Further evaluation of the subject occurs downstream after the initial screening is done.

The research managed through NASA Johnson Space Center (JSC) Institutional Review Board is leading to the development and delivery of:

- Human health, performance, and habitability standards
- Countermeasures and other risk mitigation solutions
- Advanced habitability and medical support technologies

3. Use of Information Technology.

The voluntary crew application forms are submitted through the NASA website (<https://analogstudies.jsc.nasa.gov>) and transmitted through secure encrypted electronic methods as required by the Agency.

4. Duplication of Information.

There is no duplication for this specific program.

5. Burden on Small Businesses.

There is no impact on small businesses or other small entities.

6. Consequences of Not Conducting Collection.

Without this collection, consequences may include lack of diversified test subjects to conduct science, which may result in delays in science, engineering, and behavioral countermeasures for long duration missions. These impacts will not impact federal policy activities.

7. Special Circumstances.

There are no special circumstances. The collection of information is conducted in a manner consistent with the guidelines in 5 CFR 1320.6.

8. Consultations with Persons Outside the Agency and Public Comments.

60-day FRN: [90 FR 53392](#) published on 11/25/2025. No comments were received.

30-day FRN: [91 FR 21513](#) published on 4/22/2026.

9. Payment or Gifts.

No payments or gifts are being offered to respondents as an incentive to participate in the

collection.

10. Confidentiality.

NASA does not provide any assurance of confidentiality. Personal and sensitive information collected during the application process will be handled in accordance with NASA’s privacy policies.

The Personally Identifiable Information (PII) is transmitted securely between the user’s browser and NASA server using encrypted protocols. The information is then encrypted before being stored. The PII is only decrypted by users that have been explicitly granted access to the information. A Privacy Impact Assessment was conducted for this collection.

A Privacy Act Statement is displayed before accessing the questionnaire, with applicable System of Record Notice <https://www.federalregister.gov/documents/2015/11/05/2015-28254/privacy-act-of-1974-privacy-act-system-of-records>

The application information collected electronically is stored for three years according to NASA Records Retention Schedule NRRS Schedule 08/101 https://nodis3.gsfc.nasa.gov/NPR_attachments/NRRS_1441.1_09032025.pdf

11. Questions of Sensitive Nature.

Questions in this collection are initial screening and evaluation of participants to determine eligibility. Questions of sensitive nature are not included in this collection.

12. Burden of Information Collection.

Category of Respondent	Frequency	Total Annual Responses	Time per Response	Total Burden Hours
Individuals	Annually	100	15 minutes	25 hours

13. Annual Cost to Respondents.

The estimated cost per individual response per the latest Bureau of Labor Statistics (BLS) data shows a median hourly wage of \$32.66 on which the calculations are based.

0.25 hours (15 minutes) x \$32.66 per hour = \$8.165.

The estimate of annualized total cost to respondents is 25 hours x \$32.66 per hour = \$816.5.

14. Cost to the Federal Government

Using an average of a Certified Clinical Research Coordinator (Medical Scientist) per the latest Bureau of Labor Statistics (BLS) data, a median hourly wage of \$47.97, the individual burden

cost is \$ 47.97 per hour x 0.25 hours = \$11.99

The estimated annualized total cost to the Federal Government to process the initial application evaluations of 100 respondents is \$11.99 x 100 = \$1199.

15. Reasons for Change in Burden.

Burden hours increased due to expanding response options in the updated questionnaire. The annual cost burden to respondents and the annualized Federal government cost increased due to updates to the median hour wage per the Bureau of Labor Statistics (BLS) data.

16. Publication of Results.

There will be no publication from this collection.

17. Display of OMB Approval Date.

NASA displays an approved Paperwork Reduction Act (PRA) statement for this collection.

18. Exceptions to Certification for Paperwork Reduction Act Submissions.

There are no exceptions to the certification statement stated in 5 CFR 1320.9.