National Aeronautics and Space Administration

AERONAUTICS RESEARCH MISSION DIRECTORATE

Grants and Cooperative Agreements Profile

OVERVIEW

NASA's origins trace back to 1915 with the National Advisory Committee for Aeronautics, which soon established its people and facilities as the world's leading home for aeronautics research. Today, every U.S. commercial aircraft and air traffic control facility incorporates NASA-developed technology. That heritage continues at NASA, where the first "A" stands for "Aeronautics," and the efforts to safely and sustainably transform aviation for the 21st century are managed by the Agency's Aeronautics Research Mission Directorate (ARMD).

NASA is committed to transforming aviation by dramatically reducing its environmental impact, improving efficiency while maintaining safety in more crowded skies, and paving the way to revolutionary aircraft shapes and propulsion that open new possibilities for commercial air travel.

AERONAUTICS RESEARCH MISSION DIRECTORATE PROGRAM AREAS

The **Advanced Air Vehicles Program (AAVP)** studies, evaluates, and develops technologies and capabilities for new aircraft systems; it also explores far-future concepts that hold promise for revolutionary air-travel improvements. For more information, please see *https://www.aeronautics.nasa.gov/programs-aavp.htm.*

The **Airspace Operations and Safety Program (AOSP)** enables safe, sustainable, and efficient aviation transportation operations to benefit the flying public and ensure the global competitiveness of the U.S. aviation industry. AOSP drives critical safety initiatives and leads the digital transformation of aviation to achieve a federated and service-oriented architecture, fostering the growth of safe airspace for all users. For more information, please see *https://www.aeronautics.nasa.gov/programs-aosp.htm.*

The **Integrated Aviation Systems Program (IASP)** conducts research and demonstrations of advanced technologies that contribute to faster and more efficient air travel and reduced emissions. For more information, please see *https://www.nasa.gov/aeroresearch/programs/iasp.*

FAST FACTS

Assistance Listing Number:
43.002

Authorizing Statute:
National Aeronautics and Space Act of 1958

Number of Active Awards: (FY 24)
95

Average Funding Per Award: (FY 24)
$634,922

Applicant Eligibility:
Institutions of Higher Education
Nonprofit Organizations
For-Profit Organizations

The **Transformative Aeronautics Concepts Program (TACP)** solicits and encourages revolutionary concepts, creates the environment for researchers to experiment with new ideas, performs ground and small-scale flight tests, allows failures and learns from them, and drives rapid turnover into potential future concepts to enable aviation transformation. For more information on TACP, please see *https://www.aeronautics.nasa.gov/programs-tacp.htm.*

The **Aerosciences Evaluation and Test Capabilities (AETC)** portfolio office executes strategic efforts to preserve and enhance research and test capabilities for NASA's world-class portfolio of National Wind Tunnel facilities. For more information on AETC, please see *https://www.nasa.gov/directorates/armd/aetc/.*

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IMPORTANT LINKS and RESOURCES

Aeronautics Research Mission Directorate
https://www.nasa.gov/directorates/armd/

ARMD Funding Opportunities
https://www.grants.gov
https://www.nasa.gov/aeronautics/armd-solicitations/

NASA Grant and Cooperative Agreement Manual
https://www.nasa.gov/grants-policy-and-compliance-team/#Regulations

NASA Grants Policy and Compliance
https://www.nasa.gov/grants-policy-and-compliance-team/

NASA Shared Services Center
https://www.nasa.gov/centers-and-facilities/grants-2/

POINT OF CONTACT

Tony Springer
tony.springer@nasa.gov

TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 2024	**$60,317,637**
FY 2023	**$63,804,976**
FY 2022	**$73,738,285**
FY 2021	**$52,592,769**
FY 2020	**$40,775,713**