

NASA

Grants Policy and Compliance

OVERVIEW

NASA leads the nation on a great journey of discovery, seeking new knowledge and understanding of our planet Earth, our Sun and solar system, and the universe out to its farthest reaches and back to its earliest moments of existence.

NASA MISSION DIRECTORATES AND GRANT-ISSUING PROGRAMS:

Science Mission Directorate 43.001

Purpose: NASA's Science Mission Directorate (SMD) seeks new knowledge and understanding of our planet Earth, our Sun and solar system, and the universe. SMD and the nation's science community use space observatories to conduct scientific studies of the Earth from space to visit and return samples from other bodies in the solar system, and to peer out into our Galaxy and beyond. SMD is NASA's largest grant issuing Mission Directorate.

Programs: Astrophysics Explorers; Astrophysics Research; Cosmic Origins; Discovery; Earth System Science Pathfinder; Earth Systematic Missions; Exoplanet Exploration; Explorers, GOES/POES; Heliophysics Research; Joint Agency Satellite Division; Living With a Star; Mars Exploration; New Frontiers; Outer Planets Flagship; Physics of the Cosmos; Radioisotope Power Systems; Robotic Lunar Exploration; and Solar Terrestrial Probes.

Space Technology Mission Directorate 43.012

Purpose: The Space Technology Mission Directorate (STMD) develops transformative space technologies to enable future missions. STMD makes space tech available to commercial companies to generate real world benefits – everything from creating jobs to saving lives. STMD is NASA's second largest grant issuing Mission Directorate.

Programs: Center Innovation Fund; Flight Opportunities; Game Changing Development (GCD); Lunar Surface Innovation Initiative; NASA Innovative Advanced Concepts (NIAC); Nasa Itech, Prizes, Challenges and Crowdsourcing; The Small Business Innovation Research (SBIR) And Small Business Technology Transfer (STTR); Small Spacecraft Technology; Space Technology Research Grants (STRG); Technology Demonstration Missions (TDM); and Technology Transfer.

Office of STEM Engagement 43.008

Purpose: NASA STEM Engagement delivers tools for young students and educators to learn and succeed by creating unique opportunities for a diverse set of students to contribute to NASA's work in exploration and discovery; building a diverse future STEM workforce by engaging students in authentic learning experiences with NASA's people, content and facilities; and attracting diverse groups of students to STEM through learning opportunities that spark interest and provide connections to NASA's mission and work. OSTEM is NASA's third largest grant issuing Mission Directorate.

FAST FACTS

Date Congress created NASA:

July 29, 1958

NASA's annual budget: (based on FY22)

\$24.8B

Average total grant obligations: (annually)

\$1.1B

Average funding per award:

\$330,593

Average number of newly issued awards: (annually)

2,055

Average number of active awards: (annually)

8,326

Percentage of cooperative agreement awards: (annually)

13%

Percentage of grant awards: (annually)

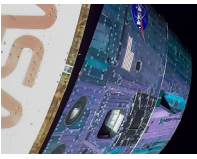
87%

Programs: Minority University Research Education Project (MUREP); Space Grant; Establish Program to Stimulate Competitive Research (EPSCoR); and Next Gen STEM.

Space Operations Mission Directorate 43.007

Purpose: The Space Operations Mission Directorate (SOMD) provides the Agency with leadership and management of NASA space operations related to human exploration in and beyond low-Earth orbit (LEO). SOMD manages current and future space operations including the International Space Station (ISS), commercial launch services to the ISS, and broad scientific research on orbit. Exploration activities beyond LEO include the management of Commercial Space Transportation, Exploration Systems Operations, Human Space Flight, Capabilities, and Advanced Exploration Systems. SOMD is also responsible for Agency leadership and management of the space transportation services of NASA and NASA-sponsored payloads that require orbital launch, and the Agency's space communications and navigation services in support of both human robotic exploration programs.

Programs: Human Research Program (HRP)



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Exploration Systems Development Mission Directorate 43.003

Purpose: Exploration Systems Development Mission Directorate (ESDMD) defines and manages systems development for programs critical to the NASA's Artemis program and planning for NASA's Moon exploration. ESDMD manages the human exploration system development for lunar orbital, lunar surface, and Mars exploration. ESDMD leads the human aspects of the Artemis activities as well as the integration of science into the human system elements. ESDMD is also responsible for development of the lunar and Mars architectures.

Programs: Orion, Space Launch System, Exploration Ground Systems, Gateway, Human Landing System and Extravehicular Activity (xEVA) and Human Surface Mobility.

Aeronautics Research Mission Directorate 43.002

Purpose: ARMD scientists, engineers, programmers, test pilots, facilities managers and strategic planners are focused on aviation's future. They design, develop and test advanced technologies that will make aviation much more environmentally friendly, maintain safety in more crowded skies, and ultimately transform the way we fly. ARMD is NASA's smallest grant issuing Mission Directorate.

Programs: The Advanced Air Vehicles Program (AAVP), the Airspace Operations and Safety Program (AOSP), the Integrated Aviation Systems Program (IASP), and the Transformative Aeronautics Concepts Program (TACP).

Safety, Security, and Mission Service 43.009

Purpose: Enable NASA's missions by providing foundational support capabilities, strategic direction and integration of essential business and technical functions across NASA's Centers and Headquarters.

Programs: N/A – SSMS provides funding in projects that transform mission support capabilities for the next era of aerospace and building the next generation of explorers.

NASA AWARD MANAGING CENTERS

- Ames Research Center
Mountain View, CA
- Armstrong Flight Research Center
Edwards, CA
- Ames Research Center
Mountain View, CA
- Glenn Research Center
Cleveland, OH
- Goddard Space Flight Center
Greenbelt, MD
- Johnson Space Center
Houston, TX
- Langley Research Center
Hampton, VA
- Marshall Space Flight Center
Huntsville, AL
- NASA Management Office/JPL
Pasadena, CA

NASA Shared Services Center (NSSC)

A working capital fund organization delivering support services to NASA utilizing the shared service delivery model.

All grants and cooperative agreements actions are processed, awarded, managed, and administered by the NSSC.

TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 22 \$1,325,499,776

FY 21 \$1,199,322,922

FY 20 \$1,146,166,742

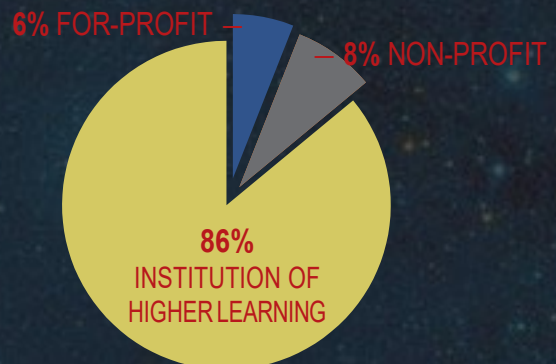
FY 19 \$1,159,139,191

TOTAL AWARD OBLIGATIONS BY MISSION DIRECTORATES

SSMS	\$20,899,348
SOMD	\$34,638,914
ARMD	\$59,846,029
STMD	\$60,191,133
ESDMD	\$69,328,207
OSTEM	\$122,464,309
SMD	\$840,164,218

**Based on FY 2019-FY 2022 Data

GRANT & COOPERATIVE AGREEMENT AWARD RECIPIENTS



**Based on FY 2022 Data