

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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[For the National Aeronautics and Space Administration statement of organization, see the *Code of Federal Regulations*, Title 14, Part 1201]

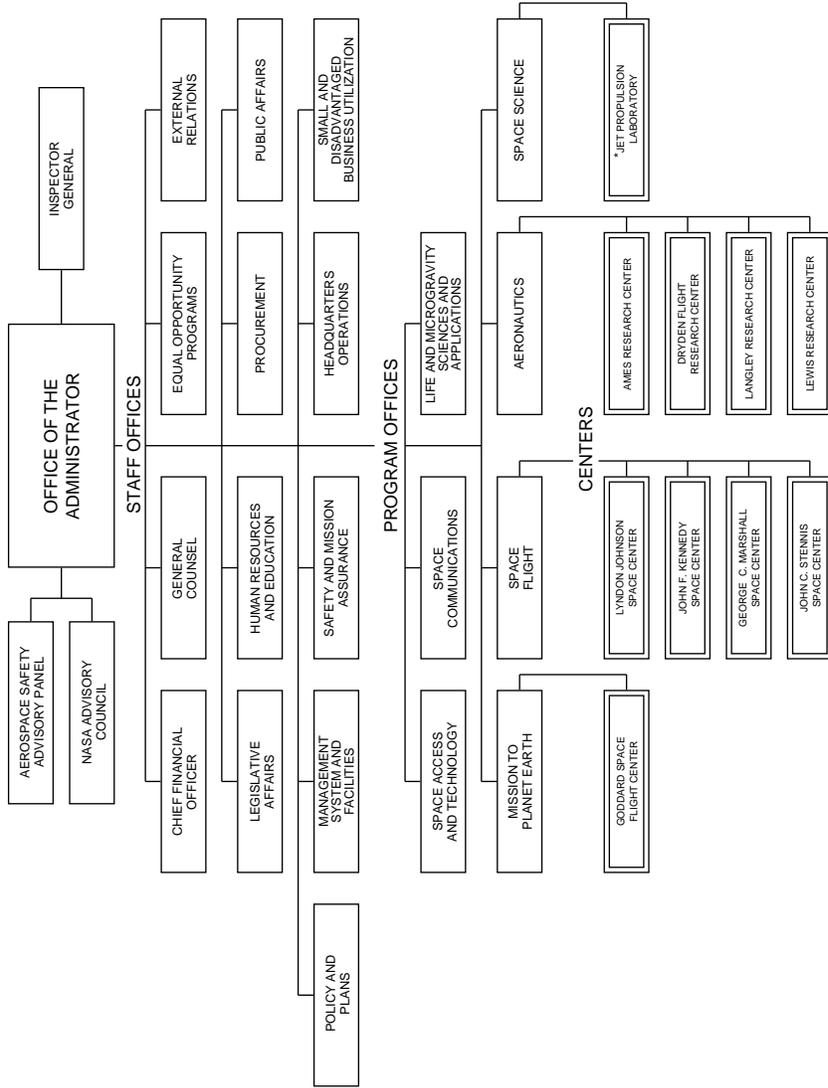
The National Aeronautics and Space Administration conducts research for the solution of problems of flight within and outside the Earth's atmosphere and develops, constructs, tests, and operates aeronautical and space vehicles. It conducts activities required for the exploration of space with manned and unmanned vehicles and arranges for the most effective utilization of the scientific and engineering resources of the United States with other nations engaged in aeronautical and space activities for peaceful purposes.

The National Aeronautics and Space Administration was established by the National Aeronautics and Space Act of 1958, as amended (42 U.S.C. 2451 *et seq.*).

NASA Headquarters

Planning, coordinating, and controlling Administration programs are vested in Headquarters. Directors of NASA centers are responsible for the execution of agency programs, largely through contracts with research, development,

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*JPL is a contractor-operated facility.

and manufacturing enterprises. A broad range of research and development activities are conducted in NASA Centers by Government-employed scientists, engineers, and technicians to evaluate new concepts and phenomena and to maintain the competence required to manage contracts with private enterprises.

Planning, directing, and managing research and development programs are the responsibility of seven program offices, all of which report to and receive overall guidance and direction from the Administrator. The overall planning and direction of institutional operations at NASA Centers and management of agencywide institutional resources are the responsibility of the appropriate Institutional Associate Administrator under the overall guidance and direction of the Administrator.

Aeronautics The Office of Aeronautics is responsible for conducting programs that pioneer the identification, development, verification, transfer, application, and commercialization of high-payoff aeronautics technologies. The Office seeks to promote economic growth and security and to enhance U.S. competitiveness through safe, superior, and environmentally compatible U.S. civil and military aircraft, and through a safe, efficient national aviation system. In addition, the Office is responsible for managing the Ames, Dryden Flight, Langley, and Lewis Research Centers.

For further information, call 202-358-2693.

Space Access and Technology The Office of Space Access and Technology pioneers innovative space technologies and proactively transfers those technologies to aerospace and nonaerospace applications. This Office is responsible for planning and assessing technology development requirements and providing management and executive leadership for activities across the Agency which satisfy these requirements; and for developing partnerships with industry, academia, and other Government agencies.

For further information, call 202-358-4566.

Life and Microgravity Sciences and Applications The Office of Life and Microgravity Sciences and Applications is responsible for NASA's programs concerned with life and microgravity sciences and their possible commercial applications, life support research and technologies, space human factors, occupational health issues, and aerospace medicine. The Office provides planning, development, integration, and operations support for science payloads on the space shuttle, free flyers, international space station *Mir*, and other advanced carriers. The Office also establishes all requirements and standards for design, development, and operation of human space flight systems and facilities.

For further information, call 202-358-0123.

Mission to Planet Earth The Office of Mission to Planet Earth conducts NASA's programs that study global climate change and integrated functioning of the Earth as a system. This includes developing and managing remote sensing satellites and instruments, aircraft and ground measurements and research, as well as data and information systems needed to support the objectives of the U.S. Global Change Research Program. The Office also has institutional management responsibility for the Goddard Space Flight Center and maintains contact with the National Academy of Sciences and other science advisory and coordinating boards and committees.

For further information, call 202-358-1770.

Space Science The Office of Space Science is responsible for conducting programs and research designed to understand the origin, evolution, and structure of the universe and the solar system. The Office also manages NASA's activities at the Jet Propulsion Laboratory and maintains contacts with the Space Studies Board of the National Academy of Sciences and with other science advisory boards and committees.

For further information, call 202-358-1409.

Space Flight The Office of Space Flight (OSF) is NASA's principal organization for space flight operations and utilization involving human space flight. It consists of the following programmatic missions: flight to and from space for people and cargo, operating habitable space facilities, and managing the utilization of these facilities in support of NASA's space missions, such as space missions from and to Earth. The Office operates the space shuttle and the *Spacelab* and is currently leading development of the international space station. The Office is also responsible for institutional management of the Kennedy Space Center, Marshall Space Flight Center, Johnson Space Flight Center, and the Stennis Space Center.

In further executing its responsibilities, the Office plans, directs, and executes the development, acquisition, testing, and operation of all elements of the Space Shuttle Program; plans, directs, and manages execution of prelaunch, launch, flight landing, post-flight operations, and payload assignments; maintains and upgrades the design of ground and flight systems throughout the operational period; procures recurring system hardware; manages *Spacelab* development, procurement, and operations; develops and implements necessary policy with other government and commercial users of the space shuttle; and coordinates all associated research. The Office is working with the Russian Space Agency to plan and execute a series of joint missions that will involve flying cosmonauts aboard the space shuttle and astronauts aboard the *Mir* space station. In 1995, a U.S. astronaut was launched aboard a Russian rocket to *Mir* for a 115-day stay aboard the space station, followed by a shuttle docking mission to *Mir* to exchange crew members. This mission was the first of up to nine joint missions, precursors to assembly and utilization of the international space station.

The Administration is leading an international effort to build and deploy a permanently manned space station into Earth's orbit. Elements of the space station will be provided by Canada, Japan, Italy, Russia, and nine European

nations represented by the European Space Agency. The space station will be a permanent outpost in space where humans will live and work productively for extended periods of time. It will provide an advanced research laboratory to explore space and employ its resources, as well as the opportunity to learn to build, operate, and maintain systems in space. U.S. elements of the space station will be launched aboard the space shuttle and assembled in orbit. The first flight is scheduled for 1997.

For further information, call 202-358-2015.

Space Communications The Office of Space Communications is responsible for meeting requirements critical to NASA's aeronautics and space flight missions. They include spacecraft operations and control centers, ground and space communications, data acquisition and processing, flight dynamics and trajectory analyses, spacecraft tracking, and applied research and development of new technology. The Space Network with its constellation of Tracking and Data Relay Satellites, Deep Space Network, Spaceflight Tracking and Data Network, and various other facilities currently provide for the requirements for NASA's space missions. A global communications system links tracking sites, control centers, and data processing facilities that provide real-time data processing for mission control, orbit and attitude determination, and routine processing of telemetry data for space missions.

For further information, call 202-358-4758.

NASA Centers

Ames Research Center The Center, located at Moffett Field, CA, provides leadership for NASA in airspace systems operations, astrobiology, and information systems research and technology development. The Center fulfills this mission through the development and operation of unique national facilities and the conduct and management of leading edge research and technology programs. These activities are vital to the achievement of the Nation's aeronautics

and space goals, and to its security and economic prosperity.

Dryden Flight Research Center The Center, which is located in Edwards, CA, conducts safe, timely aerospace flight research and aircraft operations in support of agency and national needs. It assures preeminent flight research capability through effective management and maintenance of unique national expertise and facilities, and provides operational landing support for the national space transportation system.

Goddard Space Flight Center The Center, which is located in Greenbelt, MD, conducts Earth-orbiting spacecraft and experiment development and flight operations. It develops and operates tracking and data acquisition systems and conducts supporting mission operations. It also develops and operates Spacelab payloads; space physics research programs; Earth science and applications programs; life science programs; information systems technology; sounding rockets and sounding rocket payloads; launch vehicles; balloons and balloon experiments; planetary science experiments; and sensors for environmental monitoring and ocean dynamics.

Lyndon B. Johnson Space Center The Center, which is located in Houston, TX, is the host center for the Space Station Program Office, and manages the development and operation of the space shuttle, a manned space transportation system developed for the United States by NASA. The shuttle is designed to reduce the cost of using space for commercial, scientific, and defense needs. This Center is responsible for the development, production, delivery, and flight operation of the orbiter vehicle, that portion of the space shuttle that is designed to take crew and experiments into space, place satellites in orbit, retrieve ailing satellites, etc. The shuttle crew (up to seven people) includes pilots, mission specialists, and payload specialists. Crew personnel (other than payload specialists) are recruited, selected, and trained by the Center. It is also responsible for design,

development, and testing of spaceflight payloads and associated systems for manned flight; for planning and conducting manned spaceflight missions; and for directing medical, engineering, and scientific experiments that are helping man understand and improve the environment.

John F. Kennedy Space Center The Center in Florida designs, constructs, operates, and maintains space vehicle facilities and ground support equipment for launch and recovery operations. The Center is also responsible for prelaunch operations, launch operations, and payload processing for the space shuttle and expendable launch vehicle programs, and landing operations for the space shuttle orbiter; also recovery and refurbishment of the reusable solid rocket booster.

Langley Research Center The Center, located in Hampton, VA, performs research in long-haul aircraft technology; general aviation commuter aircraft technology; military aircraft and missile (systems) technology; fundamental aerodynamics; propulsion/airframe integration; unsteady aerodynamics and aeroelasticity; hypersonic propulsion; aerospace acoustics; aerospace vehicle structures and materials; computational structural mechanics; space structures and dynamics; controls/structures interaction; aeroservoelasticity; interdisciplinary research; aerothermodynamics; electromagnetics; automation and robotics; reliable, fault-tolerant systems and software; aircraft flight control systems; advanced space vehicle configurations; advanced space station development; technology experiments in space; remote sensor and data acquisition and communication technology; space electronics and control systems; planetary entry technology; nondestructive evaluation and measurements technology; atmospheric sciences; Earth radiation budget; atmospheric dynamics; space power conversion and transmission; space environmental effects; and systems analysis of advanced aerospace vehicles.

Lewis Research Center The Center, located in Cleveland, OH, is a center of

excellence in aeropropulsion, space power, and microgravity science and technology. The Center also conducts research in critical disciplines of materials, structures, internal fluid mechanics instrumentation, and controls and electronics. All of these efforts are supported by unique research and development facilities.

George C. Marshall Space Flight Center The Center, which is located in Huntsville, AL, manages, develops, and tests the external tank, solid rocket booster, and main engines, which are major portions of the space shuttle project; oversees the development of the *Spacelab*; and conducts research in structural systems, materials science engineering, electronics, guidance, navigation, and control.

John C. Stennis Space Center The Center, which is located in Bay St. Louis, MS, plans and manages research and development activities in the field of space and terrestrial applications; space flight; and research in oceanography, meteorology, and environmental sciences.

Government-Owned/Contractor-Operated Facility

Jet Propulsion Laboratory The Laboratory, which is operated under contract by the California Institute of Technology in Pasadena, CA, develops spacecraft and space sensors and conducts mission operations and ground-based research in support of solar system exploration, Earth science and applications, Earth and ocean dynamics, space physics and astronomy, and life science and information systems technology. It is also responsible for the operation of the Deep Space Network in support of NASA projects.

Sources of Information

Contracts and Small Business Activities Inquiries regarding contracting for small business opportunities with the Administration should be directed to the Associate Administrator for Small and Disadvantaged Business Utilization, NASA Headquarters, 300 E Street SW., Washington, DC 20546. Phone, 202-358-2088.

Employment Direct all inquiries to the Personnel Director of the nearest NASA Center or, for the Washington, DC, metropolitan area, to the Chief, Headquarters Personnel Branch, NASA Headquarters, Washington, DC 20546. Phone, 202-358-1562.

Publications, Speakers, Films, and Exhibit Services Several publications concerning these services can be obtained by contacting the Public Affairs Officer of the nearest NASA Center. Publications include *NASA Directory of Services for the Public*, *NASA Film List*, and *NASA Educational Publications List*. The Headquarters telephone directory and certain publications and picture sets are available for sale from the Superintendent of Documents, Government Printing Office, Washington, DC 20402. Telephone directories for NASA Centers are available only from the Centers. Publications and documents not available for sale from the Superintendent of Documents or the National Technical Information Service (Springfield, VA 22151) may be obtained from the NASA Center's Information Center in accordance with the Administration regulation concerning freedom of information (14 CFR, part 1206).

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