

ANTARCTIC SCIENCE AND ENGINEERING SUPPORT CONTRACT (THE CONTRACT) DRAFT STATEMENT OF WORKSOW)

1. GENERAL INFORMATION

This acquisition will result in a single award, Indefinite Delivery/Indefinite Quantity (IDIQ) contract vehicle. Task Orders will be issued to the successful offeror with specific periods of performance, quantities and units of work defined at the Task level. This draft Statement of Work (SOW) defines Tasks to be performed under the Antarctic Science and Engineering Support Contract (ASESC). Pursuant to FAR 16.504(a)(4)(iii), this draft SOW fulfills the requirement to “include a statement of work, specifications, or other description, that reasonably describes the general scope, nature, complexity, and purpose of the supplies or services the Government will acquire under the contract in a manner that will enable a prospective offeror to decide whether to submit an offer.”

1.1. USAP BACKGROUND

The National Science Foundation (NSF) manages the United States Antarctic Program (USAP) on behalf of the Nation per Presidential Memorandum 6646, “United States Antarctic Policy and Programs”. The USAP supports all U.S. scientific research and related logistics in Antarctica and aboard USAP vessels that operate along the continental margin and in the Southern Ocean. This statement of work is for delivery of the services described herein that are required to enable federal research activities in the Antarctic.

The Antarctic research portfolio includes cutting-edge science across three primary themes – research that improves understanding of interactions among the Antarctic region and global systems; research that expands fundamental knowledge of Antarctic systems, biota, and processes; and research that utilizes the unique characteristics of the Antarctic region as a science observing platform. Numerous scientific disciplines – glaciology, geomorphology, earth science, geodesy, geophysics, astrophysics and geospace science, ocean and atmospheric science, biology, education, and cyberinfrastructure – are represented in these themes. Science within the Antarctic research portfolio is chosen and funded by NSF and other Federal agencies, including NASA, NOAA, and the Department of Energy. The purpose of the ASESC is to enable that science.

Work in Antarctica is carried out in partnership with grantee institutions, other Federal agencies, the military, other National Antarctic Programs, and private industry. The Contractor will work with NSF and across a diverse range of USAP partners to enable a world-class, broad and interdisciplinary Antarctic research program.

Through this contract, NSF seeks to employ relational principles and methods to enable the Contractor to achieve highly effective and efficient operations across USAP that result in a safe and secure environment, world-class science and technology, cost-effective science support, and enhanced Contractor accountability. The Contractor has the responsibility for total performance under the contract, including determining the specific methods for accomplishing the work effort, performing quality control, and assuming accountability for accomplishing the work.

It is the Contractor’s responsibility to develop and implement innovative approaches and adopt practices that foster continuous improvement in accomplishing the USAP research portfolio. NSF expects the Contractor to employ effective and efficient management structures, systems, and operations that maintain high levels of quality and safety in accomplishing work.

1.2. SCIENTIFIC MISSION

NSF’s mission is to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense; and for other purposes.

NSF is authorized to initiate and support:

- Basic scientific research and research fundamental to the engineering process,
- Programs to strengthen scientific and engineering research potential,
- Science and engineering education programs at all levels and in all fields of science and engineering,
- An information base on science and engineering appropriate for development of national and international policy,
- The interchange of scientific and engineering information nationally and internationally,
- Facilities in the Antarctic and promoting the U.S. presence through research conducted there, and
- Issues of equal opportunity in science and engineering.

NSF's vision is to advance discovery, innovation and education beyond the frontiers of current knowledge and empower future generations in science and engineering. NSF's goals --discovery, learning, research infrastructure and stewardship -- provide an integrated strategy to advance frontiers of knowledge, cultivate a world-class broadly inclusive science and engineering workforce, build the nation's research capability through investments in advanced instrumentation and facilities, and support excellence in science and engineering research and education.

USAP is the activity through which the U.S. Government expresses the national interest in Antarctica. Managed by NSF's Geosciences Directorate with funds allocated to the Office of Polar Programs (OPP), USAP fulfills the direction of the President to maintain an "active and influential presence in Antarctica designed to support the range of U.S. Antarctic interests." USAP includes scientific research conducted by universities and research institutions, as well as by other Federal agencies, and interacts with other international Antarctic programs in support of science. USAP operates within the framework of the Antarctic Treaty System and U.S. implementing laws.

The principal objective of USAP is scientific research. The broad goals of the scientific research are to expand fundamental knowledge of the region, foster research on global and regional problems of current scientific importance and use the region as a platform from which to support research that can only be done or is best done in Antarctica.

2. STATEMENT OF WORK

2.1. CORE REQUIREMENTS FOR ALL TASKS

The Contractor is expected to bring best practices for supporting research and development to bear on the USAP science portfolio. Through application of these best practices, NSF seeks to assure both outstanding scientific performance of today's research portfolio and also the long-term quality, efficiency, and productivity of USAP to support the science portfolio of the future. Accordingly, NSF has substantial expectations of the Contractor in the areas of mission delivery; stewardship; excellence in operations and operational business management; and diversity, equity and inclusion.

ADESC activities span a wide range of Task Orders that each require extensive knowledge and skill to effectively perform. The Contractor is expected to enlist top-notch experts in each Task Order in performing the work under this contract, as well as provide effective and flexible integration among the Task Orders to ensure mission delivery.

2.1.1. Mission Delivery

- 2.1.1.1. The Contractor shall provide effective planning, management, and execution of awarded science support and engineering activities.
- 2.1.1.2. The Contractor shall execute work in a manner that provides the greatest possible impact on achieving USAP's science objectives.
- 2.1.1.3. The Contractor shall strive to meet the highest standards of quality and productivity, "on-time, on

budget, as promised” delivery of program deliverables, and first-rate service to the research community throughout the breadth of USAP operations.

- 2.1.1.4. The Contractor shall have an Integrated Safety Management System (ISMS) to ensure all work activities are performed in a manner that prevents fatalities, minimizes injuries and illnesses, and avoids environmental releases.
- 2.1.1.5. The ISMS shall ensure the workforce is involved in the planning and execution of work, and identification, mitigation, or elimination of hazards.
- 2.1.1.6. The Contractor’s ISMS shall include an integrated Field Safety component tailored to individual field camps, specific science events, and unique Antarctic conditions.
- 2.1.1.7. The Contractor shall, as appropriate, consider ES&H performance in selection of subcontractors and vendors.
- 2.1.1.8. The Contractor shall ensure all USAP activities comply with applicable environmental requirements and permits.

2.1.2. Stewardship

- 2.1.2.1. The Contractor shall ensure that USAP resources, facilities, and equipment are renewed and enhanced to meet both current and future mission needs, and that the Antarctic environment is protected.
- 2.1.2.2. The Contractor shall build a positive, supportive culture at USAP stations, vessels and field camps to foster a diverse, safe, and inclusive community.
- 2.1.2.3. The Contractor shall attract, develop, and retain an outstanding work force, with the skills and capabilities to meet mission needs and collaborate with high-performing industry partners who are experts in their field.
- 2.1.2.4. The Contractor shall renew and enhance facilities and equipment so that USAP stations, vessels, and field camps achieve and remain at a state-of-the-art level over time and are well-positioned to meet future needs.
- 2.1.2.5. The Contractor shall implement all activities in Antarctica in accordance with the Antarctic Conservation Act and other environmental best practices.

2.1.3. Operational and Business Management

- 2.1.3.1. The Contractor shall effectively and efficiently manage and operate USAP stations, vessels, and field camps through best-in class management practices designed to foster world-class research.
- 2.1.3.2. The Contractor shall protect and properly maintain NSF property, facilities, and intellectual assets; as well as ensure the health, safety and security of researchers, workers, visitors and the Antarctic environment.
- 2.1.3.3. The Contractor shall operate in accordance with all applicable laws, regulations, and requirements.
- 2.1.3.4. The Contractor shall manage USAP cost-effectively, while providing the greatest possible research output per dollar of investment, and, accordingly, develop, deploy and maintain integrated management systems and practices designed to enhance research quality, productivity and mission accomplishment consistent with meeting operational requirements.

2.1.4. Diversity, Equity and Inclusion

- 2.1.4.1. The Contractor shall be a partner with NSF in cultivating an inclusive culture and work environment that reflects the diversity of our increasingly global community.
- 2.1.4.2. The Contractor shall work with NSF to set annual targets for recruitment and retention of historically disadvantaged or underrepresented communities.
- 2.1.4.3. The Contractor shall take all steps necessary to ensure sexual harassment and other forms of harassment or bullying are prevented. When these behaviors are reported, the Contractor shall address them as expediently as possible using survivor-centered response principles. The Contractor shall work with NSF as requested to identify and investigate such behaviors involving non-Contractor partners of USAP.
- 2.1.4.4. The Contractor shall provide reports of sexual assault and harassment prevention activities to NSF no less than quarterly.

- 2.1.4.5. The Contractor shall attract and retain outstanding employees in accordance with NSF expectations, policies, and procedures.
- 2.1.4.6. The Contractor shall maintain a market-based system of compensation and benefit plans to motivate employees to achieve high productivity in science support and facility operations.

2.2. Place of Performance

In accordance with national policy, NSF is required to operate on behalf of the U.S. Government, year-round research stations at South Pole and two coastal locations in Antarctica. Currently, these stations are:

- McMurdo Station (77° 50.88' S; 166° 40.10' E), located on Ross Island in the southwestern corner of the Ross Sea;
- Amundsen-Scott South Pole Station (90° S), located on the high plateau of Antarctica at more than 9,000 ft above sea level, at the geographic South Pole, and
- Palmer Station (64° 46.50' S; 54° 03.07' W), located on Anvers Island in the Antarctic Peninsula region.

Work under this contract will take place at various locations in the United States, at all three of these stations as well as at field sites across the continent, on vessels in the Southern Ocean, and at international gateways, currently in Chile and New Zealand.

The Contractor shall operate office locations that optimize the delivery of services, reduce costs, and facilitate efficient interaction with NSF and the research community.

2.3. TASKS

2.3.1. Transition

At contract award, the Contractor shall ensure uninterrupted operations for all assigned USAP functions and vital government business and ensure no service degradation during and after transition. The Contractor shall assume responsibility for existing leases, permits, charters and operator agreements. The Contractor shall conclude all transition-in activities no later than 180 calendar days after contract award.

2.3.2. Management

- 2.3.2.1. The Contractor shall manage, operate, protect, maintain and enhance USAP's ability to support a robust Antarctic science portfolio.
- 2.3.2.2. The Contractor shall maintain an understanding of evolving near- and long-term plans for the Antarctic research portfolio as documented in decadal studies, reports from the National Academies, input from the research community and NSF Program Officers, USAP Station Master Plans and other strategic documents.
- 2.3.2.3. The Contractor shall integrate across all work in this contract to ensure seamless overall delivery of defined outcomes.
- 2.3.2.4. The Contractor shall establish and maintain an integrated management system capable of producing 5- and 10-year horizon outlooks as well as implementation-level plans, programs and procedures for the management and operation of USAP stations, vessels, field camps, and assets.
- 2.3.2.5. The Contractor shall employ effective tools for scenario evaluation, cost estimation, and decision support to provide NSF with the information necessary to formulate multi-year budgets using various scenarios, evaluate research proposals for supportability, and react in real-time as events unfold during the research season.
- 2.3.2.6. The work breakdown structure employed on this contract must be able to allocate budget and costs to discrete science activities, as well as provide transparency on the level of funding required to sustain safe, minimum occupancy for all three year-round stations.
- 2.3.2.7. The Contractor shall provide a resource-loaded, integrated master schedule for all work under the agreement on an annual basis. The schedule must clearly define interface points with non-ASESC work as well as required Government furnished services and items.

- 2.3.2.8. Science Planning
- 2.3.2.8.1. The Contractor shall work with funded and prospective science teams to assist them in scoping their work to fit within USAP capabilities and to identify tools for safely maximizing science with the minimum on-ice or on-vessel footprint.
- 2.3.2.8.2. Science support needs shall be planned against available capabilities using a time horizon no shorter than five years, and the Contractor shall communicate a five-year outlook of major resource commitments to the Antarctic research community no less than annually to aid in the development of research proposals.
- 2.3.2.8.3. For each science team funded by NSF to do field work, the Contractor shall prepare a comprehensive Science Logistics Plan, including a field safety plan, with a detailed cost estimate for supporting implementation in the field.
- 2.3.2.9. Quality Assurance/Quality Control
- 2.3.2.9.1. The Contractor shall implement a broadly scoped quality assurance system to assess performance and drive continuous improvement in USAP operations and management.
- 2.3.2.9.2. The program must be executed with appropriate independence, must encompass all work under the ASESC, and must include the work of all subcontractors.
- 2.3.2.9.3. The quality assurance program must identify deficiencies, resolve them in a timely manner, ensure that corrective actions are implemented, (addressing the extent of conditions, root causes, and measures to prevent recurrence) and prioritize and track commitments and actions.
- 2.3.2.9.4. Corrective actions must be comprehensive and verifiable, and sufficient to prevent recurrence of the same or similar issues in the future.
- 2.3.2.9.5. Reports of assurance activities must be provided routinely to NSF.
- 2.3.2.9.6. The Contractor shall gather and analyze USAP performance data, including some services provided by non-Contractor partners (e.g., flight success rates) and parameters outside of the Contractor's control (e.g., historical weather patterns), to refine program plans including field camp put-in dates for example, and improve overall USAP efficiency.
- 2.3.2.9.7. USAP is subject to extensive audit and inspection activity by entities internal and external to NSF. The Contractor shall provide support for audits, inspections and reviews, including pre- and post-audit support and audit remediation.
- 2.3.2.10. Financial Oversight and Reporting
- 2.3.2.10.1. The Contractor shall maintain a financial management system responsive to the obligations of sound financial stewardship and public accountability.
- 2.3.2.10.2. The system shall include an integrated accounting system suitable to collect, record, and report all financial activities across all Task Orders at an activity level across multiple and varied Federal appropriation accounts; a budgeting system that includes the formulation and execution of all resource requirements needed to accomplish projected missions and formulate short- and long-range budgets; an internal control system for all financial and other business management processes; and a disbursements system for both employee payroll and supplier payments.
- 2.3.2.10.3. The Contractor shall have and manage a centralized property management system that provides assurance that the Government-owned, Contractor-held property across all Task Orders is accounted for, safeguarded, and disposed of in accordance with NSF's expectations and policies.
- 2.3.2.11. Communication and Stakeholder Engagement
- 2.3.2.11.1. The Contractor shall develop communication tools and engaging content to enhance the public's understanding of the USAP mission and its importance to society. Tools and content must integrate seamlessly with NSF web sites, newsletters, and social media channels and must be aligned with the Agency's public affairs objectives.
- 2.3.2.11.2. The Contractor shall operate the www.USAP.gov web portal until its public-facing content is transitioned to NSF. Following that transition, the portal can be modified for use as an operational portal – e.g., posting of flight schedules, hosting deployer-specific content, serving as the on-ice

intranet – if necessary and cost effective.

- 2.3.2.11.3. The Contractor shall develop communication tools to ensure effective communication about plans, processes, and constraints with the Antarctic research community, including mechanisms for gathering and acting on community feedback about the Contractor's services. These tools must include collecting and analyzing community needs and desires, especially as they relate to support capabilities and station master planning efforts.
- 2.3.2.11.4. The Contractor shall build and maintain a positive relationship with the NSF Program Officers, research community and USAP's inter-agency partners to bring the best possible capabilities to bear on USAP mission needs.
- 2.3.2.12. Training and Personnel Accountability
- 2.3.2.12.1. The Contractor shall provide ALL deployers with information and training to enable them to deploy safely and participate in an environmental culture designed to limit intrusion and sustain conservation efforts.
- 2.3.2.12.2. The Contractor is responsible for ensuring that employees, grantees, and visitors are trained on applicable safety policies, expectations, and requirements.
- 2.3.2.12.3. The Contractor shall maintain a deployment and accountability suite of tools sufficient to ensure deployers have met all pre-deployment requirements (including physical qualification and suitability vetting) and can be accounted for (in terms of location and status) daily.

2.3.3. Continental Science Implementation Support

- 2.3.3.1. The Contractor shall provide the full spectrum of laboratory services for USAP facilities in Antarctica, as well as provide full science implementation support to all USAP science teams approved to do field work, including international research programs where directed.
- 2.3.3.2. The Contractor shall be responsible for the USAP Continental Diving Program, including research diving, near the Antarctic stations and at remote sites.
- 2.3.3.3. The Contractor shall manage field party outfitting and processing and shall staff field safety teams.

2.3.4. Continental Operations

- 2.3.4.1. The Contractor shall provide the full suite of station services and items – e.g., food, communications, housing, cold-weather equipment, recreation, waste management, emergency response – necessary to enable the deployed population to live and work at the three, permanent Antarctic stations and all seasonal field camps.
- 2.3.4.2. All station services shall be sized and scoped to ensure maximum efficiency with the minimum on-ice footprint.
- 2.3.4.3. The Contractor shall be responsible for the management, operation and configuration of utility production and distribution.
- 2.3.4.4. The Contractor shall be responsible for establishing and maintaining runways and roadways sufficient to meet operational needs.
- 2.3.4.5. The Contractor shall manage, operate, and maintain all fuel storage and distribution systems, as well as station warehousing and storage operations. The Contractor shall manage receipt, storage and distribution of cargo, fuel, and personnel on continent including the annual offload of the major transport vessel.
- 2.3.4.6. The Contractor shall provide fire-fighting services at the permanent stations.
- 2.3.4.7. The Contractor shall provide billeting, housing, and janitorial services.
- 2.3.4.8. The Contractor shall provide meal planning and food services at the three stations and at field camps ensuring a reasonable variety and appropriate nutritional content.
- 2.3.4.9. The Contractor shall provide site-appropriate social, recreational and entertainment functions.
- 2.3.4.10. The Contractor shall provide postal services.
- 2.3.4.11. The Contractor shall implement a waste management program that complies with NSF requirements and Federal regulations. The Contractor shall collect, process, package, and document solid waste generated by the USAP, including hazardous materials, to ensure acceptance for import and disposal at licensed commercial facilities.

- 2.3.4.12. The Contractor shall manage, operate, and maintain vehicles, mechanical equipment, and utilities to industry standards and for the Antarctic environment. Vehicles and equipment must support work at the stations as well as field camps and research sites.
- 2.3.4.13. The Contractor shall support USAP's emergency response mission by providing emergency response activities in Antarctica as directed, and have plans, procedures, and trained personnel at its disposal.
- 2.3.4.14. The Contractor shall provide site-specific aviation weather observations when required. The Contractor shall provide synoptic weather reporting as well as surface weather observations in support of aircraft operations and ship and small boat traffic. The Contractor shall operate and coordinate maintenance for recording equipment, and compile and transmit weather data according to World Meteorological Organization (WMO) standards year-round.
- 2.3.4.15. The Contractor shall provide, operate and maintain authorized retail services including the personnel, equipment, goods, and commodities necessary.

2.3.5. Logistics

- 2.3.5.1. The Contractor shall provide a fully integrated supply chain that includes cargo, fuel, and personnel movement networks across air, land, and sea for the entire USAP.
- 2.3.5.2. The Contractor shall provide travel services to deployers from their point of departure to their work location in Antarctica.
- 2.3.5.3. The Contractor shall monitor, track and control the entire cargo operation from the point of departure to arrival at its final destination in Antarctica.
- 2.3.5.4. The Contractor shall provide tracking capabilities to ensure transparency of movements for cargo, fuel and personnel.
- 2.3.5.5. New Zealand Gateway Operations
- 2.3.5.5.1. The Contractor shall administer a lease for USAP support with the New Zealand Airport Authority. The Contractor shall manage vehicle and equipment leases.
- 2.3.5.5.2. The Contractor shall operate the USAP administrative offices, personnel processing, cargo staging and aviation support facilities at the International Antarctic Center (IAC) and Harewood Airport under the existing lease agreement with the Christchurch Airport Authority.
- 2.3.5.5.3. The Contractor shall manage the International Antarctic Center passenger terminal and coordinate preflight activities in coordination with New Zealand authorities including pre-departure briefings, security screening, and departure transport.
- 2.3.5.5.4. The Contractor shall operate and maintain a warehouse and clothing issue center.
- 2.3.5.5.5. The Contractor shall be available on a 24/7 basis to provide deployment services.
- 2.3.5.5.6. The Contractor shall arrange for hotel and motel accommodations.
- 2.3.5.6. The Contractor shall operate the USAP administrative offices, cargo staging and vessel loading operations in Port Hueneme, California.
- 2.3.5.7. The Contractor shall operate the USAP administrative offices, personnel processing, cargo staging and vessel support facilities in Punta Arenas, Chile.

2.3.6. Vessel Operations

- 2.3.6.1. The Contractor shall operate the R/V Nathaniel B. Palmer and LM Gould and manage all shipboard operations, including maintenance and calibration of aquaria and science equipment which will vary by mission.
- 2.3.6.2. The Contractor shall operate the Antarctic Research Vessel if constructed and manage all shipboard operations, including maintenance and calibration of aquaria and science equipment which will vary by mission.

2.3.7. Information Technology and Communications

- 2.3.7.1. The Contractor shall manage, operate, and maintain the USAP General Support System to ensure effective support of the mission and in full compliance with Federal standards for government information technology networks.
- 2.3.7.2. The Contractor shall establish Service Level Agreements with mission critical or key information/communications infrastructure providers.
- 2.3.7.3. The Contractor shall operate, maintain, and evolve a diverse mix of communications infrastructure in Antarctica, on USAP vessels, and in the U.S. including satellite earth stations, high frequency and land and marine mobile radio communications, telephone services, wireless paging, audio-visual media and cable television.
- 2.3.7.4. The Contractor shall provide an integrated service desk and service catalog solution for Tier 1, 2 and 3 support for internal and external customers at all Antarctic stations, non-Antarctic logistics centers, and research vessels.
- 2.3.7.5. The Contractor shall provide the skills and support for the erection and maintenance of antennas at all stations and field camp sites within the Antarctic area of operations, to include: maintain and repair antenna towers, curtains, platforms, tracking and mechanical movement components, radomes/enclosures, and feed cable of all installed antennas.
- 2.3.7.6. The Contractor shall operate and maintain radio communication systems operation in conformance with the USAP radio frequency (RF) spectrum utilization, coordination, and management as administered by the USAP's designated RF spectrum authority.
- 2.3.7.7. The Contractor shall support the operation and maintenance of terrestrial earth stations (both fixed and mobile) and of maritime ship earth stations. Support shall include: the interface of the satellite systems with the premises, station/facility telecommunications infrastructure (wire/cable plant, switched voice network, Local Area Network (LAN) and data network), and satellite and terrestrial service provider networks for end-to-end service

2.3.8. Infrastructure Maintenance and Recapitalization

- 2.3.8.1. The Contractor shall operate and maintain all USAP temporary and permanent infrastructure and equipment. In doing so, the Contractor shall optimize infrastructure and equipment for energy efficiency and reduced environmental impact to the greatest extent practical.
- 2.3.8.1.1. The Contractor shall provide facilities engineering services to maintain and improve the efficient and reliable operation of facilities and utilities systems.
- 2.3.8.1.2. The Contractor shall utilize Professional Engineers, in all engineering disciplines, for engineering design and review of all construction, renovations, and facility maintenance requirements.
- 2.3.8.1.3. The Contractor shall maintain and update a technical library including O&M technical manuals, facilities descriptive books, and a submittal register of NSF-approved materials and finishes.
- 2.3.8.2. Infrastructure Recapitalization
- 2.3.8.2.1. The Contractor shall conduct Master Planning for all stations and major logistics platforms on a ten-year rolling basis.
- 2.3.8.2.2. The Contractor shall identify technologies, evaluate alternatives, and develop cost estimates related to infrastructure recapitalization to guide NSF decisions.
- 2.3.8.2.3. The Contractor shall plan, design, procure, manage, and execute major construction projects in the Antarctic Infrastructure Recapitalization (AIR) program, as well as additional MREFC-scale projects as assigned. In executing construction projects, the Contractor shall minimize negative impacts on science support to the extent possible.
- 2.3.8.2.4. For specified projects, the contractor shall use Earned Value Management (EVM) methodologies that consider project performance analysis, cost analysis, and risk analysis/mitigation for the purpose of general management, as well as detection and notification of problems.
- 2.3.8.2.5. The Contractor shall perform pre-deployment verification and validation to ensure that infrastructure components, hardware/software, and equipment are appropriately verified as functionally ready to perform under the austere and potentially harsh conditions of the Antarctic.

2.3.9. Medical Services

- 2.3.9.1. The Contractor shall manage and operate health care facilities for deployed participants and shall staff these facilities with appropriately qualified and licensed medical professionals and maintain their readiness to support telemedicine capabilities.
- 2.3.9.2. When directed by NSF, The Contractor shall coordinate and implement medical evacuations from Antarctica and support international search and rescue efforts.
- 2.3.9.3. The Contractor shall administer secure and electronic medical and dental screening programs that reasonably assure fitness to deploy to Antarctica in accordance with USAP Medical Screening Guidelines. The medical and dental screening programs must be implemented in a way that is compassionate, customer-responsive and maximizes deployer's privacy and confidentiality. The medical and dental screening programs must be appropriately independent to avoid conflicts of interest. The Contractor shall maintain the minimum number of medical records in-house to allow the dental and medical screening program to be effective.
- 2.3.9.4. To the extent medical records must be maintained in-house, either for screening or for on-continent treatment purposes, those records shall be the property of NSF and must be maintained separate from any records management system the Contractor uses for its own organizational needs.

3. Government Furnished Services

- 3.1.1. The NSF shall provide facilities, equipment, materials, and/or services necessary to perform the service tasking elements of this SOW.
- 3.1.2. The NSF will provide equipment as defined in [insert reference].
- 3.1.3. All utilities in the facility will be available for the Contractor's use in performance of duties outlined in this SOW. The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating under conditions that preclude the waste of utilities.
- 3.1.4. The NSF will furnish the necessary workspace for the Contractor staff to provide the support outlined in this SOW to include desk space, telephones, computers and other items necessary to maintain an office environment.
- 3.1.5. The following services will be provided by the Government (current provider shown in parentheses):
 - Commercial sealift from Port Hueneme, California, to McMurdo Station once each year (Military Sealift Command).
 - Fuel delivery to McMurdo Station is provided once every other year (Defense Logistics Agency and Military Sealift Command).
 - Annual icebreaking and vessel escort to McMurdo Station (U.S. Coast Guard)
 - Cargo offload personnel to support the annual McMurdo Station resupply (U.S. Navy and New Zealand Defense Forces (NZDF)).
 - Airlift between Christchurch, New Zealand, and McMurdo Station during certain periods of the summer season and occasionally during the winter season (U.S. Air Force, New York Air National Guard (NYANG), NZDF, other National Antarctic Programs).
 - Airfield flight checks (Federal Aviation Administration)
 - Airlift on continent in the austral summer from McMurdo Station and beyond via LC-130 Hercules and medium fixed- and rotary-wing aircraft (NYANG, Department of Interior).
 - Weather forecasting and air traffic control (Naval Information Warfare Center).
 - Satellite communications bandwidth (Department of Defense, NOAA-JPSS).

Except for those items specifically stated to be Government furnished, the Contractor shall furnish everything required to perform this SOW.