

DRAFT
Performance Work Statement
Natural Resources Services ID/IQ

I. Introduction

The United States Army's Installation Management Command's (IMCOM) mission is to enable Soldier and Family readiness and provide a quality of life that matches the quality of service they provide to the Nation. IMCOM provides equitable, effective and efficient management of Army installations worldwide to support mission readiness and execution, enable the well-being of Soldiers, civilians and family members, improve infrastructure, and preserve the environment. IMCOM US installations are located in Alaska, Hawaii and 32 CONUS states. As part of this mission, IMCOM meets the environmental requirements at its garrisons/ installations, headquarters organizations, regions, and US Army Environmental Command (USAEC) through a combination of government employees and contracted environmental service support. Contractor support has been a key factor in the IMCOM management of environmental services and generally, the types and levels of environmental services support are similar across IMCOM. For more information about the location of IMCOM installations in the US, see <http://www.imcom.army.mil/>

Note that this contract does not apply to installations located in Europe, Japan, or Korea.

The objective of this contract is to provide a vehicle for performance based environmental services support to meet legal environmental requirements throughout IMCOM. The contract will provide contract support services to satisfy the requirements of IMCOM Headquarters, IMCOM Regional Offices, IMCOM garrisons/installations, the USAEC, and other organizations (to include the US Army Corps of Engineers) that may require support under this contract.

IMCOM training, administrative, and research, development, test and evaluation (RDTE) installations may conduct the following activities:

- Maneuver training at the company, battalion, or brigade level
- Munitions live-fire training
- Tactical vehicle and weapons system maintenance, usually below depot level
- RDTE in laboratories and on outdoor ranges and test tracks
- Building and facility infrastructure maintenance, renovation, and demolition

These installations must comply with Federal, regional, state, and in some circumstances, local environmental regulations regarding federal listed threatened and endangered species, wetlands and riparian areas, habitat management, soil and erosion control, forestry and reimbursable agriculture activities, and wildlife management. The corresponding Federal laws are the

DRAFT PWS – NATURAL RESOURCES SERVICES ID/IQ

Clean Air Act (CAA), the Clean Water Act (CWA), the Endangered Species Act (ESA), the Sikes Act, the Migratory Bird Treaty Act, and the Bald and Golden Eagle Protection Act (BGEPA). In addition, DOD and Army regulations set additional requirements.

Representative performance objectives under this PWS include completing permit applications or revision requests, wetland delineation and mitigation requirement assessments, biological assessments, timber-stand management, Endangered Species Management Plans, biological assessments, Migratory Bird Treaty Act surveys and studies, updates of Integrated Natural Resource Management Plans, training facility personnel, developing and implementing sampling strategies, and creating or revising required plans, surveys, and studies.

The following are EXCLUDED from this PWS:

- Management and professional services provided by contractor personnel routinely working at the Army facility
- Environmental compliance outside the area of natural resources
- Cultural resources compliance
- Representing the US Army in meetings with regulators, negotiations with regulators, or public meetings, or performing other inherently governmental responsibilities
- Purchase of equipment for installation use, other than sampling or monitoring equipment

The contractor shall provide technical assistance to the Army and other military components with natural resources requirements in four broad categories: (1) Survey, inventory, Habitat Management, Restoration or Mitigation, (2) Program Improvement, (3) Training and Awards, and (4) Natural Resources Compliance Review. Each service is described below.

II. Tasks

General: The Contractor will perform work under this contract consistent with the relevant policy and objectives identified in the installation's environmental management system (EMS). The Contractor will perform work in a manner that conforms to all appropriate Environmental Management Programs and Operational Controls identified by the installation EMS, and provide monitoring and measurement information as necessary for the installation to address environmental performance relative to the installation's environmental, energy, and transportation management goals. In the event an environmental nonconformance or noncompliance associated with the contracted services is identified, the contractor will take corrective and/or preventative actions. In addition, the Contractor will ensure that their employees are aware of the roles

and responsibilities identified by the environmental management system and how these requirements affect their work performed under this contract.

General: The Contractor will adhere to all applicable Federal, DoD, and Army geospatial data standards for tasks and deliverables in this contract. Any vector data created by the contractor under this contract must be delivered in a personal geodatabase compliant with the Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE), version 2.6. The projection should be Universal Transverse Mercator (in the appropriate zone) and the datum must be World Geodetic Survey 1984 (WGS84). Each feature class will be accompanied by metadata conforming to the Federal Geographic Data Committee (FGDC) Content Standards for Digital Geospatial Metadata (CSDGM) and the Army Metadata Standard v1.

Any geospatial data and associated metadata obtained from the installation or outside data sources will be provided to USAEC. This includes both raster and vector data.

1) SURVEY, INVENTORY, HABITAT MANAGEMENT, RESTORATION OR MITIGATION

Gather data (includes developing or updating installation natural resources information, sampling, and sample analysis); develop management strategies; prepare, review and update permit applications/modifications/renewals and prepare, review and update management plans required by permit or environmental regulation. Example products include wetland delineations, fauna and flora surveys, forest inventories, stream assessments, Endangered Species Management Components of the INRMP, ESA consultation documents (i.e., biological assessments or evaluations), forest management and inventories, mitigation surveys and credit procurement, conservation credit surveys and procurement, and other ecosystem, habitat, terrestrial and aquatic studies. All these activities may require safety plans, and coordination with installation staff for physical access and access to installation information sources.

- a. Wetland delineations, field inventories, and mitigation studies, which may require remote sensing analysis and geographic information system (GIS) work, field visits, and contact with academic, private, nonprofit and state and federal natural resource managers and regulators.
- b. Fauna and flora surveys, which may require literature and other data reviews, extensive field work in difficult conditions, establishment of reference taxa samples, visits to local and regional research institutions and other governmental and nongovernmental entities.

DRAFT PWS – NATURAL RESOURCES SERVICES ID/IQ

- c. Stream and terrestrial habitat assessments, which may require study of reports, field visits, monitoring of habitat restoration and manipulation, vegetative enhancement of banks and stream bottoms, and post-construction assessments.
- d. Preparation and revision of Integrated Natural Resource Management Plans (INRMPs), which may require review of existing INRMPs, installation master plans, mission plans, research and literature reviews, and writing and editing INRMPs including INRMP Endangered Species Management Components. Coordination with installation staff and outside reviewers may also be required.
- e. Preparation of formal and informal consultation packages (i.e., Biological Assessments or Biological Evaluation) requires familiarization of the proposed action, study of existing material, data collection, possible new field surveys, extensive coordination with installation stakeholders, state and USFWS and/or NOAA Fisheries, and writing and review of documents.
- f. Forest inventory and management may include timber stand inventory, minor thinning, planting, management plan preparation, carbon management analysis, coordination with installation trainers, public works and other natural resource management staff, and compliance activities.
- g. Ecosystem services mitigation for impacts to wetlands, Threatened & Endangered Species and other listed species' habitat, buffer areas; forest-management guidance and policy development, stream restoration-related onsite work and consultation and minor streambank vegetation enhancement and manipulation, carbon-management-related forest and non-forest vegetation manipulation and policy and implementation guidance; and other habitat restoration and enhancement and related coordination with installation staff, non-governmental entities, and state and federal offices.

2) PROGRAM IMPROVEMENT

- a. Provide program improvement not required by Federal, state, or local regulation, but intended to improve natural resources compliance cost effectiveness or delivery time. Providing this service may require site visits, personnel interviews, data collection to understand facility and tenant processes and to help installation staff better understand geospatial and other data sources available to them, onsite training, and follow-up data collection and analysis to demonstrate actual return on investment.
- b. Develop facility environmental geographic information system (GIS) layers that comply with DOD and Army GIS requirements. Providing this service may require site visits to identify and map all locations of interest, developing the GIS layer in accordance with Army guidance, documenting development,

and updating the layer.

c. Perform activities and analyses supporting environmental management systems (EMS), including:

i. Developing EMS program related guidance

ii. Develop implementation plans and strategies enabling installations and/or customers to adopt EMSs based on ISO 14000 or the Code of Environmental Management Principles (CEMP).

d. Evaluate new technology for compliance with applicable military specification, effectiveness, return on investment and compliance with applicable environmental regulations.

3) TRAINING AND ENVIRONMENTAL AWARDS

a. Provide Army staff with training that is required for compliance or that improves program management. Examples of training services include:

i. Establish and maintain website(s) or other communication methods to promote installation-wide environmental outreach and document publication.

ii. Develop nomination packages for local, state, Army, DOD, federal or private organization environmental stewardship awards.

iii. Develop and present required environmental training to garrison and tenant staff, for example: wetland delineation and mitigation, staff understanding of Endangered Species Act, Sikes Act and other natural resources-related legislation and regulation.

4) NATURAL RESOURCES COMPLIANCE REVIEW

a. Identify natural resources impacts of planned actions. Conduct required facility and equipment inspections and testing.

i. Review garrison and tenant plans, projects, and activities to identify potential impacts related to environmental regulations relating to natural resources. Reviews may include garrison master plans; construction or renovation plans and designs; work orders; training exercises; stationing changes; facility policies.

III. Historical Work Breakout and Material Costs

DRAFT PWS – NATURAL RESOURCES SERVICES ID/IQ

Historically, IMCOM environmental funds for the work covered by this PWS have been spent as follows:

Task	Estimated percent of work
1. Survey, inventory, habitat management and mitigation	65%
2. Program Improvement	17%
3. Training and awards	3%
4. Environmental compliance review	15%
	100%

Past obligations may not necessarily predict future environmental funding needs.

Most tasks will require minimal material costs.

IV. Performance-Based Acquisition

Task orders under this PWS will be performance-based. This section discusses possible task order risks, performance objectives, and performance measures. During task order competition, contractors will be asked to propose task performance objectives and measures.

- 1) Risks. AEC is aware of the following risks that will affect task orders under this PWS:
 - a. Environmental regulations are rarely performance-based and often quite prescriptive.
 - b. Natural Resources compliance outcomes are often dependent on regulator decision (for example, permit application accepted or permit granted) or public input.
 - c. Installation data may not be complete, correct, or up-to-date in all cases.
 - i. Garrison environmental inventories and surveys may not keep up with the pace of construction and renovation.
 - ii. Tenants do not always coordinate with Public Works and the Environmental office before self-help renovations, implementing new equipment, or fielding new weapons systems.
 - d. Because of accelerated and ambitious schedules, installation master planning changes may affect tasks that are in progress.
 - e. Secure areas are difficult to visit, inspect, and survey.
 - f. Military tenants are often deployed or otherwise unavailable.
 - g. Military specifications that govern how weapons systems are maintained are designed to ensure performance in all environments and often specify hazardous materials use.

DRAFT PWS – NATURAL RESOURCES SERVICES ID/IQ

- 2) Performance Objectives. The overall objective of the Army environmental program is to sustain our installations by:
- a. Minimizing or eliminating the environmental impacts to the surrounding community and ecosystems from military training range construction and maintenance, forest and other renewable resource management and resource management activities.
 - b. Minimizing energy and water use.

Intermediate program objectives may be:

- a. Maintaining or returning to regulatory compliance
- b. Reducing enforcement acts
- c. Anticipating and mitigating the environmental impacts of planned actions