

**General Services Administration
Federal Supply Service
Authorized Federal Supply Schedule Price List**

Environmental Advisory Services

FSC Group 899

Special Item No. 899-1
Special Item No. 899-7

Environmental Planning Services & Documentation
Geographic Information Systems

Contract No. GS-10F-0381K



Contract Period: September 18, 2000 – September 17, 2015
Price List effective through Modification PO-0009/PS-0008 dated 7/19/2010

Lockheed Martin
www.lockheedmartin.com
GSA ES Contracts Office
700 North Frederick Avenue
Gaithersburg, MD 20879-3328
Phone: 301-452-5781
Business Size: Large

Online access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu-driven database system. The Internet address GSA Advantage!® is GSAAdvantage.gov.

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CUSTOMER INFORMATION

1a. Authorized Special Item Numbers (SINs)

899-1 Environmental Planning Services & Documentation
899-7 Geographic Information Systems

1b. Lowest priced model number and lowest unit price for that model for each SIN awarded in the contract

Not applicable.

1c. Hourly rates, job titles, experience, functional responsibility, and education for services

See attached authorized pricelists.

2. Maximum order

There is no maximum task order limitation on this contract; however, a value of \$1,000,000 per task order has been established as the threshold where agencies should seek additional discounts.

3. Minimum order

Lockheed Martin is not obligated to accept any orders below the minimum order value of \$100.

4. Geographic coverage (delivery area)

All geographic areas (worldwide) as specified in individual task orders.

5. Points of production

Gaithersburg, Maryland, and various customer locations.

6. Discount from list prices or statement of net price

- a) The prices shown in this price list reflect Most Favored Customer pricing (net prices). Additional reductions from these prices may be offered under the following circumstances:
- Task orders with a value over \$1,000,000
 - Blanket Purchase Agreements (BPAs)
 - Services performed at Government facilities
- b) Minimum 2% discount on task order with a value of \$2,000,000.

7. Quantity discounts

None offered.

8. Prompt payment terms

None. Payment terms are Net 30.

9a. Government commercial credit card accepted

Government purchase cards will be accepted for task orders.

9b. Discount for payment by Government commercial credit card

None.

10. Foreign items (list items by country of origin)

None.

- 11a. Time of delivery**
Lockheed Martin Services, Inc., will adhere to the delivery schedule as specified in each order.
- 11b. Expedited delivery**
Contact contractor.
- 11c. Overnight and 2-day delivery**
Contact contractor.
- 11d. Urgent Requirements**
No.
- 12. F.O.B. Point**
Destination.
- 13. Ordering address**
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Accounts Receivable
Lockheed Martin Services, Inc.
PO Box 13522
Newark, NJ 07188-3522
- Electronic Funds Transfer:
Citibank, N.A.
ABA #0210 00089
Lockheed Martin Services, Inc.
Account # 4067 8203
- 14. Payment address**
Accounts Receivable
Lockheed Martin Services, Inc.
P.O. Box 13522
Newark, NJ 07188-3522
- 15. Warranty provision**
Same as Lockheed Martin Services, Inc., standard commercial warranty.
- 16. Export packing charges**
Not applicable.
- 17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level)**
A Government purchase card is acceptable for payment at or below the micro-purchase threshold.

- 18. Terms and conditions of rental, maintenance, and repair**
Not applicable.
- 19. Terms and conditions of installation**
Not applicable.
- 20. Terms and conditions of repair parts indicating date of parts pricelists and any discounts from list prices**
Not applicable.
- 20a. Terms and conditions for any other services**
Not applicable.
- 21. List of service and distribution points**
Not applicable.
- 22. List of participating dealers**
Not applicable.
- 23. Preventive maintenance**
Not applicable.
- 24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants)**
Not applicable.
- 24b. Section 508 compliance information**
Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services. The EIT standards can be found at www.Section508.gov.
- 25. Data Universal Number System (DUNS) number**
The Lockheed Martin Services, Inc., DUNS number is 80-525-8373.
- 26. Notification regarding registration in Central Contractor Registration (CCR)/System for Award Management (SAM) database**
Lockheed Martin Services, Inc., is currently registered and active in the CCR/SAM.

CONTRACT SCOPE

The Environmental Services (ES) contract provides for environmental advisory support to a broad range of environmental requirements at Government agencies. The Special Item Numbers (SIN) for this contract define the areas of environmental advisory support services available. Task orders placed under the ES contract must identify the SINs applicable to the effort. Lockheed Martin has been awarded contract number GS-10F-0381K to provide support in the following four SINs as defined by the Government:

SIN 899-1 Environmental Consulting Services

Services required under this SIN involve environmental planning services and documentation support, including environmental program management; environmental assessment, characterization, and monitoring; environmental technology evaluation and demonstration; environmental information management; and quality assurance services.

Examples: Emergency planning and response support. This includes the planning and management of site assessments, characterizations, and monitoring on a routine basis due to hazardous material/waster spills and releases. Applying and documenting a comprehensive environmental planning and scheduling approach that ensure all project elements are addressed in sufficient detail from start to finish.

SIN 899-7 Geographic Information Systems Services

Services required under this SIN may include operational services, advice, or guidance in support of agencies environmental programs utilizing GIS; mapping and cartography, natural resource planning, migration pattern analysis, pollution analysis, site election, and emergency preparedness planning.

Examples: Digital remote sensing services, historic site studies, planning support, aerial photography acquisition, aerial photographic interpretation, aircraft and satellite digital imagery, accuracy assessment, land cover mapping and change detection, spatial database development and analysis, mapping and cartography, natural resource planning, migration pattern analysis, pollution analysis, site selection, and emergency preparedness planning.

SPECIFIC SERVICES AND SUPPORT OFFERED

Our technical staff includes specialists in the following scientific and technical areas: engineers, biologists, chemists, botanists, geologists, geographers, hydro geologists, soil scientists, statisticians, environmental scientists, GIS specialists, remote sensing specialists, computer systems specialists, software programmers, air monitoring specialists, quality assurance specialists, safety and health, specialists, technical writers, and training specialists.

SIN 899-1 Environmental Consulting Services

Lockheed Martin offers broad-based environmental planning services and documentation support, including environmental program management; environmental assessment, characterization, and monitoring; environmental technology evaluation and demonstration; environmental information management; and quality assurance services.

ENVIRONMENTAL PROGRAM MANAGEMENT

Environmental Program Planning – We develop environmental compliance programs for federal agencies encompassing compliance with applicable and relevant environmental regulations at the federal and state levels and design of the technical aspects of any required monitoring programs. We provide emergency planning and response support. We manage complex, multi disciplinary projects that involve multiple agencies. We apply a comprehensive environmental planning and scheduling approach that ensures all project elements are addressed in sufficient detail from start to finish. We have documented our approach in published guidance documents covering project staffing requirements, communications, access and sampling schedules, waste disposal, safety, procurement and inventory control, training, information management, quality assurance, record keeping and reporting requirements.

Environmental Information Management – We have extensive capabilities in management and analysis of environmental information, including the application of commercial-off-the-shelf software and development of custom systems. Our environmental scientists and information management specialists have broad-based experience in system design, development, and implementation for environmental projects to give us insight into creating and managing information systems that provide environmental managers with appropriate data to make informed decisions. We can accommodate diverse data types (e.g., chemical, geophysical, locational, process flows, metadata and quality assurance) and various collection modes, ranging from handwritten field forms to data downloaded from personal computers, to results taken directly from analytical instruments. We focus our approach on the end user's unique combination of needs, such as data analysis, quality assurance and data auditing, graphical displays, reports, or ease of data storage and archive. We develop system concepts, data flow diagrams, and system architectural designs. We offer expertise in software integration, software testing and documentation, user training, system option analysis, and information engineering. Lockheed Martin specialized information management skills include statistical analysis and programming, modeling, expert system development, GIS applications, Web-site development, enterprise information systems, and wide-distribution software.

ENVIRONMENTAL ASSESSMENT, CHARACTERIZATION, AND MONITORING

We conduct site assessments, characterizations, and monitoring on a routine basis and on an emergency response basis due to hazardous material/waste spills and releases.

Environmental Assessment – We plan and conduct environmental assessments on global, regional, and site-specific scales, resulting in an optimized approach to collecting environmental information. We offer comprehensive capability in defining project data quality objectives, in conceptualizing approaches, in developing statistical designs, and in defining appropriate sampling parameters, site selection criteria, and sampling frequency.

Field Logistics, Sampling, and Analysis – We manage complex, multi-site field programs involving the collection and analysis of air, surface water, ground water, soil, and biological samples. We conduct equipment and supply acquisition, maintenance, and deployment; site reconnaissance and selection; field-to-base communications; field crew selection, coordination, and training; ground-truth verification using global positioning systems (GPS); portable laboratory design, installation, and operation; multimedia sampling and field laboratory analysis; and data and sample retrieval and transport. We have conducted these activities in a broad variety of environments and under adverse field conditions.

Analytical Services Oversight – We provide management and oversight of analytical services, including sample collection and management, evaluation of analytical methods used, review and validation of protocols and data, incorporating referee laboratories for data evaluations, and developing corrective actions. We develop analytical methods and we are known for our ability to address difficult analytical concerns by developing, applying, and evaluating specialized instrumentation. We are also experts at applying routine and specialized analyses in the field for all types of environmental media. We provide assessments of field and laboratory analytical results, including quality assurance/quality control (QA/QC) evaluations and data reviews of EPA-approved analytical methods and innovative analytical methods. Our computer-aided data validation systems, recognized as industry standards and widely used by EPA, ensure thorough and accurate analyses at reasonable cost. We also apply statistical analyses to evaluate large analytical data sets and information obtained from geophysical instruments.

Exposure Assessment – Our personnel assess exposure risk on privately owned and federal sites. We evaluate the nature and extent of contamination in soil, surface water, and sediment; assess and delineate terrestrial and aquatic habitats; analyze pathways; and select methods to determine the extent of risk to the environment and human population. Our site-specific capabilities include sediment and aquatic toxicity testing, macroinvertebrate surveys, and tissue analysis. We estimate exposure, toxicity, and risk to human health and the environment, and provide guidance on preferred sampling locations, analytical protocols, QA procedures, and detection limits for field operations.

Ecological Assessment – We offer ecological assessments of streams and lakes, wetlands, near coastal environments, forests, and arid lands. We support EPA's long-term monitoring programs and Lockheed Martin corporate monitoring projects. Our 14 years supporting EPA national monitoring programs provides the basis for our compliant, consistent monitoring approach. We offer superior capability to define monitoring program goals, define study strategies, develop

ecological indicators, conduct exploratory studies, develop sampling designs, implement studies, produce information useful to scientists and decision-makers, and disseminate information in formats that optimize use of the data and interpretations. This process is responsive to the changing requirements of regulators and the needs of other end users of long-term monitoring information. Our monitoring approach has been recognized for excellence by the National Research Council.

Remediation Assessment – We develop approaches for remediation of hazardous waste sites, provide oversight of cleanup activities, and evaluate the effectiveness of overall remediation efforts. We assess biological and ecological impacts of waste sites and remediation efforts. We perform engineering studies that include assessing clean up feasibility, evaluating treatability of wastes and soils, conducting cost/benefit analyses, and conducting plant/chemical process inspections. We also conduct hydrogeological investigations, soil gas surveys, and field risk assessments. We offer full capabilities for ensuring health and safety during remediation activities, including radiological monitoring. We also offer full QA/QC capabilities in support of remediation activities in the field, the analytical laboratory, and for data analysis.

ENVIRONMENTAL TECHNOLOGY EVALUATION AND DEMONSTRATION

We offer extensive capability to test, evaluate, and demonstrate standard, new, and emerging environmental technologies. We develop written and visual materials for the data, documents, and demonstrations related to our environmental services. We develop clear, concise courses, seminars, handbooks, fact sheets, video tapes, CD-ROM products and other instructional aides, as well as full capability to support the planning and execution of scientific and technical meetings. Our technical discipline experts are supported in these activities by a full complement of highly experienced technical writers, editors, graphics specialists, and meeting planning specialists.

QUALITY ASSURANCE SERVICES

We design, develop, conduct, and document large-scale and site-specific environmental QA programs for all applications. We develop Quality Management Plans and Quality Assurance Program Plans, and establish standard operating procedures to ensure compliance with internal and external quality requirements. We offer in-depth statistical, chemometric, geostatistical, biostatistical, and computer-enhanced techniques to optimize the quality and use of data, including complex spatial data. Our QA systems ensure that the quality aspects of each data value is documented, the resulting databases provide consistent and reliable information to our customers, and that the data is defensible for litigation purposes.

SIN 899-7 Geographical Information Systems

Lockheed Martin offers broad-based geographic information systems (GIS) and remote sensing services applied to environmental studies and regulatory support including digital remote sensing, historic site studies, planning support, aerial photography acquisition, accuracy assessment, landcover mapping and change detection, spatial database development and analysis, mapping and cartography, natural resource planning, migration pattern analysis, pollution analysis, site selection, and emergency preparedness planning.

Our GIS specialists have extensive experience in developing and using GIS as a tool for environmental project management. We have expertise in conducting complex data integration and analysis for natural resource mapping and modeling, change detection and monitoring, infrastructure mapping and modeling, site characterization, data management, and landcover classification and mapping. We have extensive capabilities in integrating, modeling, and analyzing environmental data through GIS applications and have applied these skills on diverse studies, ranging from global biodiversity and global change research to site-specific pollution source detection. We are fully versed in ArcInfo-based data base design, development, and documentation; spatial analysis; modeling; report preparation; and production of high-quality cartographic products. We also have the proven ability to develop software tool kits, such as custom graphical user interfaces, tool-integrating applications, and spatial visualization routines. Because we have the in-house capability to integrate aerial photographic, digital remote sensing, and GIS technology and expertise, we can offer well-targeted, high-quality GIS products within tight budgetary and time constraints.

We have met the technical and management challenge of delivering GIS products in extremely short timeframes, and providing long-term, consistent support on projects that have spanned more than 14 years. This long-term support has been provided for the EPA and the Department of Justice. We have provided expert witness testimony on the results of our work.

DIGITAL REMOTE SENSING

Our digital remote sensing specialists conduct environmental monitoring, inventory, and change detection projects utilizing data collected by airborne and spaceborne sensor systems. We conduct regional ecosystem studies, studies to evaluate global processes, and land cover characterizations. We are skilled in the handling of large data sets involving diverse parameters, applying automated spectral clustering and methods for processing and archiving large amounts of data, integrating global positioning techniques to georectify and assess data accuracy, and integrating project information into GIS to produce data that can be easily visualized by end users.

Selecting the most appropriate type of remote sensing imagery for a specific analysis task is a crosscutting project design issue. The wide variety of technical characteristics for remote sensing systems, compared to those for standard aerial photography, is a critical issue for planning of digital remote sensing projects. The spectral, spatial, and temporal characteristics of a sensor system are examples of the basic technical criteria that must be addressed to ensure the proper collection of imagery. Additional factors include acquisition and processing costs, necessary spatial extent, and any collateral data costs. Data quality can be affected by atmospheric conditions (e.g., haze, smoke, etc.), sensor performance (e.g., banding), and subsequent data processing. The basic process knowledge, or phenomenology, of the natural and/or cultural features of interest (e.g., vegetation phenology, water turbidity, and land use development) must also be considered.

We recognize the critical need to identify the appropriate stage for remote sensing technology transfer and determine when it is cost-effective to adopt “state-of-the-art” technology as “state-of-the-practice” for operational programs. Applied too early, the cutting edge of new technology

can increase costs without a concurrent increase in overall benefit. We also have the operational and research experience necessary to support new technology integration efforts. Preliminary processing steps that are driven by task-specific requirements are undertaken to prepare digital remote sensing imagery for visual or quantitative analyses. Numerous methods for image enhancement are available, each highly dependent upon the specific target versus background signatures present. Other preprocessing steps include data calibration, normalization, geometric registration or full rectification, and transformations such as principal components or vegetation indices. Many alternative preprocessing procedures are available. Therefore, establishing high quality, repeatable procedures is a technical and operational issue. Lockheed Martin scientists have developed documented and standardized processing procedures to address preprocessing issues. We follow the procedures to ensure that all preprocessing results can be replicated.

HISTORIC SITE STUDIES AND PLANNING SUPPORT

Aerial Photographic Interpretation – We acquire, process, analyze, and interpret aerial photographs to extract environmental information. We have over 25 years of experience in acquiring aerial photography, conducting remote sensing analyses for land use and land cover studies, monitoring sites for compliance, inventorying pollution sources, conducting intensive site analyses, investigating wetlands impacts, and responding to emergency situations. We also conduct field reconnaissance surveys and photogeologic analyses (e.g., fracture trace analyses, geomorphological analyses, and lithologic mapping). We have completed over 4,000 aerial photographic interpretation projects for the EPA.

IMAGE ACQUISITION

Aerial Photography – We conduct four basic types of operational remote sensing tasks using aerial photographs: (1) emergency response support for hazardous material spills, fires, or similar events; (2) single-date analyses of current or past conditions; (3) multiple-date historical analyses to examine changes in site conditions through time, and; (4) photographic inventories for locating specific features or obtaining baseline data over large areas. Managing product delivery timelines to meet these different project needs is an operational issue. Timeline requirements range from immediate turnaround products for emergency responses to routine draft and final products to support requests. We meet this challenge by dedicating staff and equipment to immediately support quick-turnaround projects. Additionally, our management cost and schedule tracking, streamlined quality control (QC) processes, and operational standard operating procedures (SOPs) assure delivery of both quick-turnaround and long-term projects.

Responsive acquisition of current and historical imagery is essential for operational remote sensing support. A majority of aerial photographic analysis tasks involve site-specific historical analyses. Timely acquisition of photography is critical to project planning and execution. We have established procedures for conducting historical image searches and acquiring imagery from a large number of sources. Using public and private Internet accessible databases, we rapidly identify sources of photographs. Our approach to ensuring rapid and cost-effective data collection is based on maintaining automated databases to quickly and efficiently provide the required imagery. We also maintain microfiche and indexes of photographs available from governmental programs, such as the United States Geological Survey (USGS) National Aerial

Photograph Program (NAPP) to allow preliminary image screening. Our primary sources include federal, state, and local government agencies, and commercial aerial survey firms. If critical gaps remain in the imagery availability, we can access classified material following established procedures for acquiring and using classified materials. Lockheed Martin operates classified facilities in Virginia and Pennsylvania that can be used, if necessary, to avoid the expense and administrative complexity of setting up a new classified facility for the customer.

Matching the appropriate type of film to project needs is an important project design issue. The selection of film type (e.g., color, color infrared, or black and white) depends upon site conditions, features to be analyzed, and project scope and schedule. The primary film types for aerial photograph analyses are conventional color and color infrared. Each film type provides selective enhancements in the study of surface leachate, surface water turbidity, soil moisture, vegetation stress, land cover, and land use. Large area topographic mapping projects benefit from using fine grain black and white film, which provides greater resolution than multiple layer films. We routinely select the appropriate film based on our years of similar environmental project design experience.

We determine appropriate flight parameters for aerial photography missions based on project specific requirements. For example, hazardous waste projects, which are usually site intensive, require large-scale photos for analysis; therefore, the flight altitude required is low, typically 1,000 to 4,000 feet. Conversely, to be cost effective, large-area projects, such as land use and land cover analyses, typically require small-scale photos. Seasonal factors affecting the state of vegetation (e.g., leaf-on or leaf-off) are also project driven. General weather conditions such as the absence of snow, amount of haze, presence of clouds and cloud shadows, are additional considerations that must be considered in the planning process. Our staff evaluate project needs to optimally establish flight parameters.

Aircraft and Satellite Digital Imagery – We have conducted more than 200 projects requiring the collection and analysis of satellite remote sensing imagery. Imagery collected by a growing number of spaceborne sensor systems continues to expand the available data sources to support environmental inventory, mapping, change monitoring, and predictive modeling projects. Our scientists routinely use different types of digital remote sensing imagery and keep abreast of new system developments. Examples of the types of digital imagery that have been used on recent projects include Landsat Multispectral Scanner (MSS) and Thematic Mapper (TM), SPOT, Advanced Very High Resolution Radiometer (AVHRR), aircraft MSS (e.g., Daedalus), aircraft Compact Airborne Spectrographic Imager (CASI), and the Airborne Visible and Infrared Imaging Spectrometer (AVIRIS). Newly available satellite systems, such as IKONOS, ASTER, and MODIS, offer substantially improved spatial and spectral resolution characteristics. We have the expertise to provide technical evaluations of remote sensing data from these systems and can recommend their use to enhance project results.

We have established formal working agreements with Space Imaging, Inc. (SII) as our on-call teammate to access their wide scope of satellite imagery experience and the resulting photogrammetric and GIS experience gained from processing satellite imagery. SII owns and operates the IKONOS satellite and has direct access to other satellite platforms. Lockheed Martin is a distributor for IKONOS products and can provide these products at very competitive rates.

We have the depth of relevant experience—unmatched by others—to fulfill all aspects of satellite image acquisition.

ACCURACY ASSESSMENT

Lockheed Martin has conducted a wide variety of global positioning system (GPS) technology applications for the field verification of remote sensing data. Examples include location of point features; acquisition of line and polygon data for roads, fields, and similar features; and precise measurement of points and other features using both resource and survey-grade equipment. We have provided training and given orientation classes, and provided technical assistance to several EPA individuals and groups. We routinely meet this goal with GPS equipment using differential corrections.

Operational issues associated with GPS equipment have been significantly reduced. As the GPS constellation has become fully populated and differential signals are available through subscription services, real-time differentially corrected locations have become readily available. With proper equipment, sub-meter accuracies are now routinely attained, even for natural resource-grade applications. Documenting GPS metadata is an industry issue if standard procedures are not followed, but we follow standard procedures to avoid this pitfall.

LANDCOVER MAPPING AND CHANGE DETECTION

We also collect and analyze data, and develop GIS products to support landscape characterization and subsequent water quality impacts. We have provided long-term support to EPA programs for monitoring changes in national and global biodiversity. We assisted EPA in developing GIS applications, designing spatial data flow algorithms, and developing QA/QC procedures. Our remote sensing and GIS support program utilizes a multidisciplinary scientific staff that understand both the technology and program needs. Providing remote sensing analysts who possess a strong understanding of GIS and data conversion requirements ensures that final products are useful to programs and can be integrated into Federal databases.

Our depth of remote sensing and GIS expertise has recognized value for supporting EPA landscape characterization efforts. Specific areas include the generation of land cover data and accuracy assessments, land cover change detection, the development of spatial databases, statistical and spatial analyses, providing related cartographic support, and applying EPA developed analysis technology both regionally and nationally. We are familiar with specific programmatic issues in Federal environmental assessment initiatives, such as the Environmental Monitoring and Assessment Program (EMAP), the Regional Vulnerability Assessment (ReVA), the Environmental Monitoring for Public Access and Community Tracking (EMPACT), Eco-Pest Tox, Multimedia Integrated Modeling System (MIMS), and other research and development programs.

Application-specific requirements determine whether simple change detection or complex classifiers and decision logics are needed for a project. Selecting the most appropriate classification algorithm for a task requires technical expertise to understand the relative merits of supervised versus unsupervised algorithms and various feature elements such as size, texture, and association that need to be incorporated into a specific analysis. In many cases, the classification results can be significantly improved by using collateral data. For example,

elevation data can be used to partition or stratify imagery into discrete elevation ranges for increased classification accuracy. GIS data layers are routinely used to improve image classification results using this approach. As with preprocessing, however, establishing standardized methods that consistently achieve high quality results is a challenge. The development of expert system approaches, based on knowledge engineering tools from the field of computer artificial intelligence, promise long-term improvements in image classification. Our image processing experts have been involved in this field since its inception and track developments for potential use on projects.

SPATIAL DATABASE DEVELOPMENT AND ANALYSIS

We have extensive capabilities in management and analysis of environmental information, including the application of commercial-off-the-shelf software and development of custom systems. Our environmental scientists and information management specialists have broad-based experience in system design, development, and implementation for environmental projects to give us insight into creating and managing information systems that provide environmental managers with appropriate data to make informed decisions. We can accommodate diverse data types (e.g., chemical, geophysical, locational, process flows, metadata and quality assurance) and various collection modes, ranging from handwritten field forms to data downloaded from personal computers, to results taken directly from analytical instruments. We focus our approach on the end user's unique combination of needs, such as data analysis, quality assurance and data auditing, graphical displays, reports, or ease of data storage and archive. Lockheed Martin specialized spatial information management skills include GIS applications, Web-based display, desktop query systems, spatial data visualization, spatial data analysis, accuracy assessment, statistical analysis, and modeling.

MAPPING AND CARTOGRAPHY

We generate maps and cartographic products for a broad range of environmental applications. GIS analyses can range from simple to complex. We developed the award-winning GIS-based EnviroMapper Web site for EPA. Our GIS specialists developed a dynamic way to view, query, and map environmental information held in EPA databases. EnviroMapper is part of the Maps on Demand section of the EPA Web site, using ESRI MapObjects Internet Map Server software.

GIS procedures for simple inventory and tracking applications, such as mapping land parcels for tax assessment and zoning applications, are becoming routine and highly structured. Complex analyses, however, can involve numerous data layers of various type and accuracies that results in product quality that is highly dependent upon the processing steps and decision logic. Error propagation through GIS analyses is an issue. Other fundamental technical and operational issues exist in the areas of spatial database accuracy, methods for visualization of spatial data quality, representations of spatial relations, spatial-temporal processing, and methods for the integration of remote sensing and GIS. High quality products are required for all environmental projects. The ability to verify the results of processing steps used to create GIS products is critical to the scientific credibility of those products. We address this issue with all GIS deliverables by including a full set of Federal Geographic Data Committee (FGDC) compliant metadata and project processing documentation that allows end-users to duplicate the GIS products.

Inadequate metadata documentation is a recognized problem in the GIS field. We have established a well-defined set of standardized digitizing procedures to ensure that data quality and documentation requirements are met for data entry. The database is fully documented using a Lockheed Martin-developed format that is FGDC compliant and the metadata is integrated into the project database dictionary. When data from other sources is acquired and used on projects, we collect available metadata from the source organization and document all processing steps using that data.

Many photo-interpretation projects require measurements from photographs to determine areas, lengths, heights, or locations. Some of these measurements are established using manual techniques and simple stereo viewing equipment, such as light tables. Most projects, however, require more rigorous photogrammetric processing, such as the compilation of planimetric data (roads, building footprints, etc.), elevation models, and orthophotographs. We use the ERDAS OrthoMax software package to generate photogrammetric products. Based on project scope and schedule, work is also subcontracted to qualified photogrammetry firms using competitive bid procedures.

The application of photogrammetry to historical aerial photographs is useful for analyses focusing on environmental change over time. Much of this work is unorthodox, since the use of archived photographs poses unique constraints on basic photogrammetric operations. Prior to 1970, few aerial cameras were calibrated for analytical photogrammetry. Most photographs taken before 1970 therefore lack calibration data. Each stereomodel must have sufficient accuracy to meet project specifications. However, by necessity, stereomodel control for archived photographs must be obtained from a variety of sources, some of which are unconventional. Stereomodel control may include the use of historic maps and specifically acquired survey coordinates of non-targeted image points. To ensure defensible products, we verify that registered surveyors are used to collect control data for photogrammetric projects that involve topographic contours.

Photogrammetric map and measurement products are prepared in either analog or digital formats. Data formats for different packages may require special attention to import/export and conversion procedures. We have successfully processed photogrammetric data from several industry standard packages (e.g., MicroStation, AutoCad, and Intergraph) into ArcInfo and ArcView GIS format. Special attention is placed upon proper reporting of map datum and projections; incorrect values for these are a widespread problem.

NATURAL RESOURCE PLANNING

Our staff has conducted GIS and remote sensing projects to assess and estimate types and quantities of natural resources such as forests, minerals, and petroleum. We conduct large and small scale natural resource planning projects, including the EPA's North American Landscape Project, the Western Environmental Monitoring and Assessment Program, the Regional Vulnerability Assessment, and the Mid-Atlantic Integrated Assessment Program. These projects evaluate natural resources and identify changes to landcover over a period of decades for all types of ecosystems within the continental United States.

MIGRATION PATTERN ANALYSIS

We have conducted projects to analyze migration patterns of plants, animals, and contaminants using GIS. We supported an ecological assessment of invasive and aggressive plant species in coastal wetlands of the Great Lakes area, noting migration of the invading plant species and consequent decline of the native species. We also developed animal habitat suitability models for the San Pedro River Basin in the United States and Mexico. Our support of the Ohio Source Water Assessment Procedure (SWAP) Project identified migration patterns of contaminants in order to develop a plan for wellhead protection of community drinking water sources.

POLLUTION ANALYSIS

We participate in EPA programs directed toward regional and national assessments of pollution analysis. Example programs include Global Change, Environmental Monitoring and Assessment Program (EMAP), and the Regional Vulnerability Assessment (ReVA). These efforts make extensive use of digital remote sensing methods to measure landscape environmental stress indicators and monitor changes. The large area coverage and synoptic perspective afforded by satellite systems are especially useful for these applications. New satellite systems, such as SII's IKONOS and NASA's Terra, are beginning to provide spatial and spectral resolutions that previously required aircraft platforms. Selecting the best mix of satellite, aircraft, field, and collateral data is a major project design issue. Our remote sensing specialists are experienced in the use of multistage methodologies and sampling designs, and use that experience for optimizing project designs. New sensors, in conjunction with improved processing software, are providing improved environmental data.

SITE SELECTION

Our site selection projects have included identification of environmental changes at selected sites, determining sites vulnerable to contamination, and evaluating sites for known and suspected contamination. We identified landscape change areas in support of the Tensas River Basin Project, selected vulnerable sites based on pesticide contamination and the potential to impact watersheds for the Eco-Pest Tox Program, determined sites to locate contaminant recovery wells for the Photogeology/Fracture Trace Analyses Projects, and selected areas of high lead contamination to be remediated for the Gateway Initiative and the Omaha Lead Projects. For the Tensas River Basin Project, we identified selected areas by usage type (agriculture, forest, wetland, and developed areas) within the Tensas River watershed and noted how the selected sites had changed over time to assess overall ecological health.

EMERGENCY PREPAREDNESS PLANNING

We utilize GIS applications for emergency preparedness planning and emergency response to support the EPA through our Response, Engineering, and Analytical Contract (REAC). We respond to environmental emergencies, providing GIS support to ensure proper response and adequate cleanup of contaminated areas.

PERSONNEL QUALIFICATIONS

The personnel qualifications, including functional responsibilities, education, and experience for each labor category are included in the following section:

Project Manager

Minimum Experience: 9 years.

Education: BS degree in applicable field. Experience may be substituted at the rate of two years of directly related experience for each year of education.

Functional Responsibility: Responsible for the performance of projects, or subsystems of major projects. Acts as primary customer contact for project activities, leading project review sessions with customer to discuss cost, schedule, and technical performance. Responsible for design concepts, criteria and personnel efforts during the project. Monitors milestones and adherence to master plans and schedules.

Project Leader

Minimum Experience: 9 years.

Education: BS degree in applicable field. Experience may be substituted at the rate of two years of directly related experience for each year of education.

Functional Responsibility: Directs all phases of projects from inception through completion. Coordinates the preparation of project plans, milestones, and operating budgets. Implements design concepts, criteria and engineering efforts for product research, development, integration and test. Establishes milestones and implements master plans and schedules. Identifies project problems and obtains solutions. Directs the work of employees assigned to the project from technical and administrative areas.

Technical Writer

Minimum Experience: 5 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Writes in a clear and concise language, such technical documents as procedure manuals, service manuals, and related technical publications concerned with installation, operation, and maintenance of electronic, electrical, mechanical and other equipment. Includes writing such technical documentation as operational specifications, bulletins, articles, service manuals, and marketing publications. Acquires or verifies knowledge of subject by interviewing workers engaged in developing new products and services or in making improvements, observing performance of experiments and methods of production, referring to blueprints, sketches, engineering drawings and notes, trade and engineering journals, rewrites of articles, bulletins, manuals, or similar publications.

Principal Environmental Scientist

Minimum experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provides lead scientific guidance and support for projects. Carries out development and implementation projects concurrent with scope and requirements. Performs or delegates

all detail work necessary to determine optimum solutions. Coordinate projects with contractor management, customer and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging environmental technologies. Requires experience as technical lead for multiple projects. Recognized expert in an environmental specialty or technology. Serve as leader and mentor for other scientists and engineers. Monitors cost and schedule estimates and technical documents on proposed projects in assigned area. Demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles.

Senior Environmental Scientist

Minimum Experience: 5 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Apply specialized knowledge, experience and methods to the analysis and resolution of problems in scientific subject matters such as physics, geology, chemistry, biology and other physical/life sciences. Evaluate scientific/technical studies, analyses and tests in support of project planning and implementation. Prepare technical reports on scientific/technical studies describing methodology applied, results obtained and recommendations made. Prepare cost and schedule estimates and technical documents on proposed projects in assigned area.

Environmental Scientist

Minimum Experience: 2 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education in a scientific related discipline.

Functional Responsibility: Support senior scientific and engineering staff in the design and implementation of studies, systems and processes relating to a specific subject matter. Perform scientific/technical studies, analyses and tests in support of project planning and implementation. Analyze data from laboratory/field studies or computer-generated data.

Junior Environmental Scientist

Education: Bachelor's degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Under supervision of senior scientists, performs fundamental scientific duties and assists senior technical personnel in formulating preliminary designs, performing tests, taking measurements or performing analyses to support projects. Applies standard practices and techniques.

Principal Environmental Engineer

Minimum Experience: 14 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provides lead engineering guidance and support for projects. Carries out development and implementation projects concurrent with scope and requirements. Performs or delegates all detail work necessary to determine optimum solutions. Coordinate projects with contractor management, customer and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging engineering technologies. Requires

experience as technical lead for multiple projects. Recognized expert in an engineering specialty or technology. Serve as leader and mentor for other scientists and engineers. Prepares cost and schedule estimates and technical documents on proposed projects in assigned area. Demonstrates creative ability through patent disclosures, problem solving, scientific reports or technical papers and articles.

Senior Environmental Engineer

Minimum Experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provide engineering guidance and support for projects. Implement projects concurrent with scope and requirements. Provide leadership support for small teams. Provide advice and assistance in state-of-the-art technologies. Perform detail work necessary to determine optimum solutions. Provide information to contractor management, customer and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging engineering technologies. Experience as technical project lead. Provide knowledgeable support and independent service or assistance in specialized areas.

Environmental Engineer

Minimum Experience: 5 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provide engineering support with limited supervision to apply environmental engineering methodologies and principles to projects. Knowledgeable in use of appropriate software and hardware to support projects and emerging technology solutions. Supports development of project plans and reports.

Junior Environmental Engineer

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Applies environmental engineering methodologies and principles to projects. Supports projects as directed by team leaders and managers.

Industrial Hygienist

Minimum Experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provide expert industrial hygiene support and independent services/assistance. Serve as primary contact for industrial hygiene and safety issues for projects. Provide expertise on an as needed basis to all task assignments. Coordinate industrial hygiene issues with contractor management, customers and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging industrial hygiene technologies and regulations. Expert knowledge in industrial hygiene regulatory requirements.

Statistician/Modeler

Minimum Experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Applies advanced statistical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems and provides solutions which are innovative and ingenious. Works toward predetermined long-range goals and objectives. Determines and pursues courses of action necessary to obtain desired results. Expert knowledge of probability, reliability, statistical analysis methods, sampling and test and evaluation techniques, data collection and applicable regulations and standards. Conducts tests and evaluations of modeling software.

Senior Remote Sensing Specialist

Minimum Experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provide expert support and independent service and assistance in remote sensing. Serve as leader and mentor for other remote sensing specialists. Coordinate projects with contractor management, customer and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging remote sensing technologies. Expert knowledge base in aerial photography analysis and associated technologies.

Remote Sensing Specialist

Minimum Experience: 5 years.

Education: Bachelor's degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Serves as lead for completing remote sensing projects and reports. Knowledgeable in use of appropriate remote sensing equipment and technologies. Operates and troubleshoots remote sensing systems. Maintains knowledge of environmental applications for remote sensing technologies.

Junior Remote Sensing Specialist

Education: Bachelor's degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Applies remote sensing procedures, methodologies and principles to projects. Supports projects as directed by team leaders and managers.

Senior GIS Specialist

Minimum Experience: 9 years.

Education: BS degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provide expert support and independent services/assistance for GIS projects. Serve as leader and mentor for other GIS specialists. Provide expertise on an as needed basis to all task assignments. Coordinate projects with contractor management, customer and regulatory personnel to ensure that the project is properly defined and course of action is satisfactory. Maintain current knowledge on emerging GIS technologies. Expert knowledge in GIS software and hardware systems and associated technologies.

GIS Specialist

Minimum Experience: 5 years.

Education: Bachelor's degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Serves as lead for completing GIS projects and reports. Knowledgeable in use of appropriate GIS software and hardware systems and associated technologies. Operates and troubleshoots GIS systems. Maintains knowledge of environmental applications for GIS technologies.

Junior GIS Specialist

Education: Bachelor's degree in relevant academic field. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Applies GIS procedures, methodologies and principles to projects. Operates GIS systems. Supports projects as directed by team leaders and managers.

Quality Assurance Manager

Minimum Experience: 5 years.

Education: BS in a related technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Ensures compliance with company and customer quality requirements through all phases of the project. Develops quality assurance plans and quality control procedures. Provides audit support and participates in corrective actions. Provides QA support to project members. Conducts investigations relative to customer complaints or poor contract performance.

Quality Assurance Specialist

Minimum Experience: 2 years.

Education: BS in a related technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Provides quality assurance support through all phases of the project. Develops quality assurance plans and quality control procedures.

Information Management Specialist I

Minimum Experience: 2 years.

Education: High school and/or technical school graduate.

Functional Responsibility: Specialized experience required includes the analyses and design business applications on complex, large scale systems, including experience in database management concepts. Knowledge of state-of-the-art storage and retrieval methods is required, as well as the ability to formulate specifications for computer programmers to use in coding, testing, debugging of computer software. Develop plans for ADP systems from project inception to conclusion. Defines the problem, and develops system requirements and program specifications, from which programmers prepare system documentation programs and tests.

Information Management Specialist II

Minimum Experience: 5 years.

Education: BS degree in a related scientific or technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Specialized experience required includes the analyses and design business applications on complex, large scale systems, including experience in database management concepts. Knowledge of state-of-the-art storage and retrieval methods is required, as well as the ability to formulate specifications for computer programmers to use in coding, testing, debugging of computer software. Develop plans for ADP systems from project inception to conclusion. Defines the problem, and develops system requirements and program specifications, from which programmers prepare system documentation programs and tests.

Information Management Specialist III

Minimum Experience: 9 years.

Education: BS in Computer Science, Information Systems, Engineering, Business, or related scientific or technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Designs, develops, programs, installs, implements, conducts research, maintains internal data processing computer systems and utilities, and/or for customers on a contract basis. Analyzes internal or external customer needs, and determines equipment and software requirements for solutions to problems by means of automated systems; develops customized solutions to customer/user problems. Establishes system parameters and formats; ensures hardware/software compatibility; and coordinates and/or modifies user requirements in terms of existing and projected computer capacity and capabilities. May make changes as required to adapt or enhance existing or proposed system; advises on new techniques and estimated costs associated with new or revised approaches, taking into consideration personnel, time, and hardware requirements, and makes trade-off analyses; develops general and detailed documentation describing system specifications and operating instructions; and revises existing systems and procedures to correct deficiencies and maintain more effective data handling, conversion, input/output requirements and storage.

Environmental Consultant I

Minimum Experience: 5 years.

Education: Ph.D. in a related technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Perform as a consultant in highly specialized subject areas. Provide highly technical and /or specialized guidance. Perform analyses and studies, prepare reports, and give presentations.

Environmental Consultant II

Minimum Experience: 9 years.

Education: Ph.D. in a related technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Subject matter expert for environmental or related areas of science or technology. Perform as a consultant in highly specialized subject areas. Provide highly technical and /or specialized guidance. Perform analyses and studies, prepare reports, and give presentations.

Environmental Consultant III

Minimum Experience: 14 years.

Education: Ph.D. in a related technical discipline. Experience may be substituted at the rate of two years directly related experience for each year of education.

Functional Responsibility: Perform as a consultant in highly specialized subject areas. Provide highly technical and/or specialized guidance. Perform analyses and studies, prepare reports, and give presentations.

ADMINISTRATIVE SUPPORT POSITIONS

Administrative Specialist I

Education: High school diploma.

Functional Responsibility: Performs administrative tasks in functional areas including Finance, Human Resources, or Purchasing. Supports preparation of reports, budgets, and project schedules. Provides logistical support for projects.

Administrative Specialist II

Minimum Experience: 3 years.

Education: High school diploma.

Functional Responsibility: Performs as a generalist a combination of administrative tasks in such functional areas as Finance, Human Resources, or Purchasing. May prepare budgeting, project scheduling. And statistical reports as required. Represents organizational unit in administrative matters. Recommends, interprets, and/or implements company and internal administrative policies and procedures.

Documentation Specialist

Education: High school graduate.

Functional Responsibility: Prepare and process correspondence, reports, proposals, and related documentation. Generates documentation of contractual requirements, customer specifications, design changes and project deliverables. Prepares user manuals and information to support projects. Maintain files, process requests for information and support meetings.

Technician I

Education: High school and/or technical school graduate.

Functional Responsibility: Assist scientists and engineers as required. Validates system operations and conducts equipment test and checkout under supervision.

Technician II

Minimum Experience: 2 years.

Education: High school and/or technical school graduate.

Functional Responsibility: Assist scientists and engineers as required, validate system operations, and provide technical interface with customer technical representatives. Maintain, repair, and install various types of mechanical and electronic equipment. Perform measurements and tests according to project plans. Perform measurements and tests according to field study plans. Prepare, calibrate and maintain equipment as required, including measurement instruments, tools, motors, pumps, safety equipment and accessories. Document operations, field conditions, measurements, samples, safety measures and quality assurance parameters according to project's requirements.

Technician III

Minimum Experience: 5 years.

Education: High school and/or technical school graduate.

Functional Responsibility: Work closely with engineers and scientists in the planning, execution and evaluation of projects. Perform measurements and tests according to project plans. Prepare, calibrate and maintain equipment as required, including measurement instruments, tools, motors, pumps, safety equipment and accessories. Plan and implement safety procedures and respond properly to emergency situations. Supervise junior technicians. Maintains, repairs, and installs various types of mechanical and electronic equipment and related devices such as electronic transmitting and receiving equipment, and personal and mainframe computers and terminals. Prepare summaries, tables and reports documenting field methodology used, data collected and results obtained.

LABOR RATES

Fully loaded labor rates for each labor category are included in Table 1. These rates apply to all SINs. These rates reflect Most Favored Customer pricing and include GSA’s Industrial Funding Fee.

Table 1. Lockheed Martin GSA ES Government Hourly Rates

<i>Labor Category</i>	<i>Year 11 9-18-2010 to 9-17-2011</i>	<i>Year 12 9-18-2011 to 9-17-2012</i>	<i>Year 13 9-18-2012 to 9-17-2013</i>	<i>Year 14 9-18-2013 to 9-17-2014</i>	<i>Year 15 9-18-2014 to 9-17-2015</i>
Program Manager	\$117.04	\$120.55	\$124.17	\$127.89	\$131.73
Project Leader	\$106.27	\$109.45	\$112.74	\$116.12	\$119.60
Project Control Specialist	\$51.28	\$52.82	\$54.41	\$56.04	\$57.72
Technical Writer/Editor	\$64.36	\$66.30	\$68.28	\$70.33	\$72.44
Principal Environmental Scientist	\$92.70	\$95.48	\$98.35	\$101.30	\$104.33
Senior Environmental Scientist	\$70.58	\$72.69	\$74.87	\$77.12	\$79.43
Environmental Scientist	\$52.48	\$54.05	\$55.67	\$57.34	\$59.07
Junior Environmental Scientist	\$42.44	\$43.71	\$45.02	\$46.37	\$47.76
Principal Environmental Engineer	\$105.95	\$109.12	\$112.40	\$115.77	\$119.24
Senior Environmental Engineer	\$80.08	\$82.48	\$84.96	\$87.51	\$90.13
Environmental Engineer	\$64.47	\$66.40	\$68.39	\$70.45	\$72.56
Junior Environmental Engineer	\$47.17	\$48.59	\$50.05	\$51.55	\$53.09
Industrial Hygienist	\$76.08	\$78.36	\$80.71	\$83.13	\$85.62
Statistician/Modeler	\$79.71	\$82.10	\$84.57	\$87.10	\$89.72
Senior Remote Sensing Specialist	\$84.02	\$86.54	\$89.13	\$91.81	\$94.56
Remote Sensing Specialist	\$63.60	\$65.51	\$67.48	\$69.50	\$71.59
Junior Remote Sensing Specialist	\$41.50	\$42.74	\$44.03	\$45.35	\$46.71
Senior GIS Specialist	\$93.86	\$96.68	\$99.58	\$102.57	\$105.64
GIS Specialist	\$76.92	\$79.23	\$81.60	\$84.05	\$86.57
Junior GIS Specialist	\$39.80	\$40.99	\$42.22	\$43.49	\$44.79
Information Management Specialist I	\$46.06	\$47.44	\$48.87	\$50.33	\$51.84
Information Management Specialist II	\$71.77	\$73.92	\$76.14	\$78.43	\$80.78
Information Management Specialist III	\$84.50	\$87.04	\$89.65	\$92.34	\$95.11
Environmental Consultant I	\$130.90	\$134.83	\$138.87	\$143.04	\$147.33
Environmental Consultant II	\$163.62	\$168.52	\$173.58	\$178.79	\$184.15
Environmental Consultant III	\$196.35	\$202.24	\$208.31	\$214.56	\$220.99
Quality Assurance Manager	\$79.45	\$81.84	\$84.29	\$86.82	\$89.43
Quality Assurance Specialist	\$55.91	\$57.59	\$59.31	\$61.09	\$62.93

Environmental Services

<i>Labor Category</i>	<i>Year 11 9-18-2010 to 9-17-2011</i>	<i>Year 12 9-18-2011 to 9-17-2012</i>	<i>Year 13 9-18-2012 to 9-17-2013</i>	<i>Year 14 9-18-2013 to 9-17-2014</i>	<i>Year 15 9-18-2014 to 9-17-2015</i>
Administrative Support Positions (SCA Covered)					
Administrative Specialist I	\$29.98	\$30.88	\$31.81	\$32.76	\$33.75
Administrative Specialist II	\$38.02	\$39.16	\$40.33	\$41.54	\$42.79
Documentation Specialist	\$41.73	\$42.98	\$44.27	\$45.59	\$46.96
Technician I	\$29.27	\$30.15	\$31.06	\$31.99	\$32.95
Technician II	\$39.06	\$40.23	\$41.44	\$42.68	\$43.96
Technician III	\$55.83	\$57.50	\$59.23	\$61.00	\$62.83

OTHER DIRECT COSTS

Material and other Non-labor costs, which are directly related to task order performance, are to be included in the task order. Other Direct Costs will be listed as separate line items and identified as “open market charges.” These ODC’s will be negotiated by the task ordering official when the task order is issued. When ODC’s are valued over \$2,500.00 all pertinent acquisition regulations will be followed. These costs are billed at actual cost plus all appropriate indirect costs.

TRAVEL AND LIVING

Travel and living costs incidental to task order performance are to be billed at actual cost plus all appropriate indirect costs. Travel and living costs are not subject to the limitations on Other Direct Costs specified above.

BLANKET PURCHASE AGREEMENTS

An ordering office with a broad scope of tasks to be performed, or with recurring requirements may consider a Blanket Purchasing Agreement (BPA). A BPA allows the ordering office to consolidate funding, reporting, and management of a series of task orders, and provides the foundation from which new task orders can more readily and rapidly be created. Also, price reductions from the published schedule rates are possible through a BPA. With no minimum or maximum ordering limit under BPAs, ordering agencies get the benefit of the BPA discounted price regardless of the size of the order. A progressive type of discounting may be offered where the discount would increase once sales reach certain prescribed levels.

FIXED PRICE TASK ORDERS

Based on the nature of work to be performed, an ordering office may consider a Firm Fixed Price Task Order. A task order must be clearly identified as fixed price by the ordering office when requesting a proposal from Lockheed Martin.

SECURITY REQUIREMENTS

Lockheed Martin personnel who will perform under this contract may have clearances including Secret, Top Secret, and certain special access clearances. In the event that security requirements are necessary, the ordering activity may incorporate in their task orders a security clause in accordance with current laws, regulations, and individual agency policy; however, the burden of administering the security requirements shall be with the ordering agency. The clearance level of Lockheed Martin personnel, as well as any costs necessary to comply with the security requirements will be included in the task order proposal.

ORGANIZATIONAL CONFLICT OF INTEREST

It is incumbent on the ordering office to identify any potential Organizational Conflict of Interest (OCI) in a task order that may be issued. The ordering office should inform Lockheed Martin of such a potential prior to issuance of any tasking. Lockheed Martin has established procedures for resolving or mitigating any OCI that may be so identified.

ORDERING PROCEDURES

Online access to contract ordering information, terms and conditions and other information is available by accessing the Federal Supply Service’s home page via the Internet at <http://www.fss.gsa.gov/>. For further

information about the Lockheed Martin GSA ES contract, visit our GSA Web site at <http://www.lockheedmartin.com/gsa>.