	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
MEI Technologies	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•		•	•	•

MEI Technologies Experience

Research and Development Support (3.1)

Services Experience:

Bioastronautics Contract: Under the Bioastronautics contract, MEIT provides medical operations, ground and flight research, space flight hardware development and fabrication, science and mission integration for flight, and habitability and environmental factors for the Space Shuttle, International Space Station, Constellation and Human Research programs. MEIT also provides health services including consulting, medical screening and qualification, training, data and risk management, and mission and ground operations support services.

Argonaut Contract: Contact potential participants to obtain their objectives for their experiments; Schedule and lead a series of planning conferences; Conduct weekly teleconferences with all participants; Develop an integrated scenario to meet participants' objectives; Coordinate technical efforts to allow participants to play from their own facilities in a distributed fashion; Develop and provide criteria to participants to facilitate their transition to larger, more advanced wargames; Conduct operational analysis of concepts to include analyzing detailed DIS PDU traffic to evaluate concept effectiveness.

ESES Contract: MEIT provided excellent engineering service and expertise to the research and development of detectors for use in variety of in and out of house projects. The team provided engineering support (Micro-electro-mechanical- systems (MEMS)) for research, design, development, and analysis of electronic devices and their related application to instruments. Goddard Missions include Astro-H Detector Heatsinking and Packaging, JWST NIRSpec Microshutter, JWST Microshutter Array Development and ICESAT-2 Detector testing.

Engineering, System Engineering and Process Engineering Support (3.2)

Services Experience:

ESES Contract: MEIT provides mission systems engineering in support of scientific payloads. MEIT's engineering activity begins with initial concept development and extends through design and development to launch and post-flight activities. We work with principal investigators from the first concept stages to identify and analyze requirements necessary for the payload to meet mission objectives. Following classic system engineering disciplines, we allocate requirements to payload subsystems and implement a series of design reviews at key milestones before proceeding to the development phase of the project. We implement configuration management and controls from the first baseline definition to provide clear end-to-end requirements traceability and to support verification and validation activities.

Bioastronautics Contract: On the Bioastronautics Contract MEITs employees, in the Flight Hardware Departments' function is to provide engineering support to various on-going flight hardware developments. The engineering

support provided by MEIT for this work includes but is not limited to establishing operational concepts for ground testing and flight deployment, reviewing project and programmatic requirements, participating in the design, manufacturing and assembly of flight and ground support hardware, reviewing and participating in test protocols, assisting in the procurement of flight hardware and the logistics required for assembly and test and participating in the certification of the hardware for use aboard the International Space Station and/or launch vehicle. These job functions l require understanding and compliance to JSC/NASA and Bioastronautics Contract work instructions. These job functions will require the development and tracking of controlled paperwork throughout the development process. Employees will be required to present at design reviews.

DHEP Contract: On the DHEP Contract, our primary focus is to take DoD and other national agency experiments through the Systems Engineering process required for manned-spaceflight. This includes a myriad of ICD's that need to be defined, then verified throughout the process by MEIT engineers. If a mission is repeated, we also make adjustments requiring re-design (alterations) or adjust to changing interfaces on the NASA side of an interface. Part of the systems process that we support both with experiments and NASA is environmental testing. We have used NASA, other government agency, and subcontractor facilities for environmental testing; We have also developed all associated test plans, procedures, criteria, reports (including discrepancies). If there is a need to change established processes, our experience allows for adjusting processes as is necessary.

AMCOM Contract: Provide Navy Test and Evaluation Program Development support to the Navy Joint Air to Ground Missile System (JAGM). Provide T&E expertise in the development, coordination, scheduling and funding of T&E strategies to the JAGM T&E IPT lead in support of the JAGM System Integrated Baseline Review (IBR). Assist in identification of issues and recommend solutions to the T&E IPT lead. Support review and coordination of T&E crosswalks/test matrices of performance and capability of plans to system requirements. Support review of requirements and traceability of design for conducting system integration and interoperability tests and demonstrations. Analysis of and provide comments to the Test and Evaluation Program Plan (TEPP).

Modeling, Simulation, Stimulation, and Analysis Support (3.3)

Services Experience:

Bioastronautics Contract: MEIT provides employees who develop physical models, prototypes, simulators in both the science and engineering sides of the contract. The Habitability Design Center provides system engineering services, in a Design Development capacity, in the following phases: Mission Systems Engineering A-C, and Instrument Systems Engineering A-C, focusing heavily on the Architecture & Design Development. MEIT employees were responsible for the design development of various spacecraft and habitat architectures for Lunar Architecture Team) and the Constellation Architecture Team. MEIT employees supported various Phase C project documentation generation (Operations Concepts and Support, Requirements Analysis, Identification & Management, Verification and Validation) for various projects for the IVA FCE team: ISS Jumper Cables, Lego Bricks Payload, multiple crew request tools, IVA Tools & Diagnostic equipment.

Argonaut Contract: Use standard models to simulate Directed Energy engagements. Modify existing models to incorporate more input parameters for a given engagement. Verify models against real world data.

DHEP Contract: Our use of simulations various from project to project depending on needs, but can include large Mission simulations at JSC involving astronaut crews and operators to desktop simulations of experiment data and comm. flow. In a general sense, environmental testing is another methodology to verify operation in constrained environments. We have conducted these processes and used these systems for over 200 experiment packages over a 20 year period.

Prototyping, Pre-Production, Model-Making, and Fabrication Support (3.4)

Services Experience:

ESES Contract: MEIT supports the Mechanical design services starting with a set of initial requirements negotiated with the customer - design progresses through several stages of initial design and analyses - Assembly and subassembly level analysis is performed on both at different stages of the design - Detailed parts and assembly drawings are used to fabricate parts that are used in the final assembly -Test plans and procedures are developed for environmental testing of the assembly - All environmental testing is supported. In performing the design and analysis several tools are utilized: Design - CAD tools, Pro/E Creo, SolidWorks, AutoCAD, AutoDesk Inventor; Thermal Analysis Software: Solaria Thermal Analysis Software {TAS}; Structural Analysis Software: FEMAP NASTRAN NX. Projects supported are ICESat MEB, ST-8 Thermal Loop Experiment Power Card, GPM Solar Panels MEIT provided engineering services for the implementation of Section I (re-design, analysis, and documentation of the GPM spacecraft solar array) and Section III (EGSE Design modification and Fabrication/Assembly).

Bioastronautics Contract: MEIT performs Test & Verification. We develop designs to a Critical Design Level ,produce prototypes for design concepts, provide draft documents in support of design concepts, prepare Fab Release Drawings, Stress Memos, Pre-delivery acceptance requirements, Pre installation acceptance reviews and documentation, Safety Data Packages, FMEA, GCAR, NCR, Operational concepts and Interface Definition documents. MEIT employees conduct final concept designs

DHEP Contract: On DHEP most of our customer experiments are first time flown experiments, prototypes or proof of concept missions. Additionally, since we are developing something that most work in space first time, we develop test articles to surface issues and correct problems prior to integrating the flight article for flight. This sometimes requires developing or modifying simulators, developing environmental models for environmental testing, and not only supporting fabrication but actually conducting fabrication.

System Design Documentation and Technical Data Support (3.5)

Services Experience:

DHEP Contract: On the DHEP contract, we conduct the systems development process from concept into operations. Standardized documentation deliveries are required throughout the process. Since a myriad of T&E is conducted in the process associated data is developed/processed. Recently MEIT engineers on DHEP have developed an innovative computer-based data base tool to capture all requirements, automatically publish the associated requirements documentation, and track certification: This tool is also used as part of the requirements configuration management.

AMCOM Contract: MEIT supports the M&S T&E activities of the System Simulation and Development Directorate (SSDD), providing senior M&S expertise to support the development, coordination, and approval of M&S strategies. These include high-level technical reviews and accreditation processes, executing design trade-off reviews and conducting trade studies on alternative architecture proposals, and assessing design approaches against data management requirements for analysis and testing. We support technical planning and assessment of M&S tool development, V&V of M&S tools, and provide M&S integrated master schedule support to the BMDS program. This includes M&S tool integration planning and M&S interface management boards. We also provide SE&I expertise to translate BMDS program capability objectives into M&S requirements, ensure M&S requirements traceability, assess whether the BMDS component relationships are correctly represented in M&S tools, and assess whether the M&S tools have the fidelity to adequately support analysis and testing requirements. We identify those requirements which will be evaluated through M&S, and identify opportunities where M&S may be used to support T&E life-cycle sustainment objectives. Our experts support the change management process by participating in configuration control boards, supporting configuration management process for the M&S tools, and monitoring program requirement changes which will impact the M&S environment.

ESES Contract: MEIT provides detailed design services - Our processes dictate a structured and disciplined design approach that addresses all subsystems, components and assemblies, and includes hardware, software, and ground support equipment. We prepare and deliver all drawings, reports and other documentation necessary to fully document the design and to support the configuration management process and scheduled design reviews. In the six years during which we have been the prime contractor on the ESES contract, MEIT engineers have demonstrated design capabilities in the areas of optical, thermal, detector, electrical/electronics, power, REA, component technologies, environmental testing, and RF systems on numerous GSFC payloads. Develop, review, and analyze electrical design interfaces.

Software Engineering, Development, Programming, and Network Support (3.6)

Services Experience:

DHEP Contract: Our software engineering on DHEP, is generally focused on tools used to simplify our job. We try to make use of Off-the Shelf tools for most of our work. An example is the Satellite Tool Kit we use to analyze and design orbital parameters and data. We maintain and operate the Office and Payload Control Center of our customer. Additionally we man positions in that center for launch and deployment and 24 hour ops as needed after on-orbit deployment. Software tools involved range from NASA-developed flight control tools, to COTS, to local tools based on MS applications.

Argonaut Contract: MEIT modified packet capture software to be able to handle PDU traffic for wargaming activities. Wrote several scripts to record/analyze data acquired during wargaming activities. Wrote "wrapper" scripts to tie together several tools from various areas of interest for modeling purposes.

Reliability, Maintainability, and Availability (RM&A) Support (3.7)

Services Experience:

DHEP Contract: we have a long list of requirements established by NASA which includes MIL Standards for everything we develop or utilize, Examples range from specs that batteries must meet under varied conditions, to requirements associated with comm. systems, onboard software, etc. The end product is our development of experiments and platforms that meet all NASA requirements, and that have been validated through a well-established T&E process.

Human Factors, Performance, and Usability Engineering Support (3.8)

Services Experience:

Bioastronautics Contract: MEIT employees in the ABF provide anthropometry and biomechanical analysis and evaluation expertise to the Habitability and Human Factors Office, Extravehicular Activity Projects Office, Constellation Office, and other internal and external organizations. Employees are uniquely equipped to conduct a variety of space biomechanics and ergonomics research studies that deal with issues humans will encounter while living, working, and exploring in space. Ground-based research and testing are conducted in its heavily instrumented laboratories. The ABF is one of the very few facilities in the world that has gathered both suited and unsuited human strength data relevant to Earth, Lunar and Martian gravity environments. MEIT employees are responsible for project management and for all research and testing.

System Safety Engineering Support (3.9)

Services Experience:

DHEP Contract: MEIT has 20 years of experience in ensuring system safety via DHEP and its predecessor contracts. We do this for systems that are deployed at major national resources (Shuttle and ISS and involving the nation's corpse of astronauts.

Configuration Management (CM) Support (3.10)

Services Experience:

DHEP Contract: On DHEP our configuration management includes contract purchasing change control and subcontract change control monitoring. Since we integrate experiments which sometimes includes subcontractor H/W development, change control is delegated. We maintain a documentation library that contains all configuration-managed documentation from NASA and the AF.

AMCOM Contract: Provide Test and Evaluation Documentation. Review test plans, attend test readiness reviews, flight readiness reviews, and provide comments to the test reports on both hardware and software test events. Work with and support the JAGM System assessment of technical performance as it relates to system verification as directed by the JAGM Overarching T&E representative. Provide support to Test and Evaluation Integrated Product Teams, Meetings and Reviews. Attend T&E and System Engineering IPT meetings as required by the JAGM System contract, and provide coordinating actions and activities.

Quality Assurance (QA) Support (3.11)

Services Experience:

DHEP Contract: MEIT knowledge of QA requirements is evident by the fact that we have successfully deployed over 200 experiment packages which in the process have to demonstrate quality standards and criteria are met.

Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support (3.12)

Services Experience:

DHEP Contract: MEIT performs the IT Systems Administration on the DHEP Contract. We are responsible for the DoD office File Server, The TReK/Continuous Ops File Server, Our desktop systems of all office personnel, and all the hardware and software in the Payload Operations and Control Center. In this capacity we work with our DoD customer in ensuring we have all the needed hardware and software tools to perform the units mission. These include the standard Microsoft desktop suite for our engineers desktop applications, design tool for developing hardware design, Satellite Tool Kit for orbital design and analysis, internally developed software for requirements processing, internally developed simulation software, NASA Flight Control work stations and unique software, Fabrication Lab hardware and software, and TReK/Continuous Ops workstation and software.

Inactivation and Disposal Support (3.13)

Services Experience:

DHEP Contract: We dispose of flight and test articles after they have been returned to earth via the Space Shuttle, or are otherwise no longer needed. We also have curation experience, where we keep used equipment for possible future use on new projects.

Interoperability, Test and Evaluation, Trials Support (3.14)

Services Experience:

DHEP Contract: The experiments we integrate and test are not a final warfighting product, but instead are experiments those results might be utilized in future war fighting platforms. Additionally, although interoperability is something we test across major hardware systems such as the ISS and externally attached payloads. That being said, MEIT has considerable experience on the DHEP in assuring interoperability across payload experiments and across experiment platforms and the ISS.

Measurement Facilities, Range, and Instrumentation Support (3.15)

Services Experience:

DHEP Contract: Experience on DHEP is extensive for facilities where environmental testing and associated measurements are made. DHEP personnel are experienced with launch site integration, test , and preflight certification.

Logistics Support (3.16)

Services Experience:

DHEP Contract: We have executed NASA processes to assure logistical resupply support (batteries, propulsion) for DoD ISS experiments, in addition to manifesting components for preparing experiments for return to earth.

Supply and Provisioning Support (3.17)

Services Experience:

DHEP Contract: We have executed NASA processes to assure logistical resupply support (batteries, propulsion) for DoD ISS experiments, in addition to manifesting components for preparing experiments for return to earth.

Training Support (3.18)

Services Experience:

DHEP Contract: We routinely train flight control personnel, AF Payload Ops personnel, and astronauts on all procedures and equipment used to checkout and deploy on orbit experiments. All procedures and checklists are documented and validated, and retrained as needed if there are flight delays or other reasons for additional training.

In-Service Engineering, Fleet Introduction, Installation and Checkout Support (3.19)

Services Experience:

Program Support (3.20)

Services Experience:

Argonaut Contract: Provide expertise in program management with respect to risk management, earned value management, life cycle costing and schedule control; Create detailed program specific work breakdown structures to guide system development, testing and analysis of concepts.

DHEP Contract: We are constantly estimating new payload integration work for our customer, This involves concept to deployment/operations aspects of the systems engineering process, Because of our 20 years experience in this process we have become adept at estimating what is required and the associated schedules. Although warfighters are not our direct customer, astronauts and flight controllers depend on our doing our job correctly.

ESES Contract: MEIT has been a prime contractor managing engineering service contracts for spacecraft for more than 19 years. As the prime contractor on the ESES contract, MEIT has in place a management organization that has effectively managed one of the largest contracts at GSFC for more than five years.

Functional and Administrative Support (3.21)
Services Experience: MEIT provides Functional and Administrative support on numerous contracts including ESES, DHEP, ESC, and TEST.
Public Affairs and Multimedia Support (3.22)
Services Experience: DHEP Contract: On the DHEP we support our customer who performs the public relations function. Our support is in the form of explaining technical aspects of experiments, etc.

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MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
Zin Technologies	•	•	•	•	•	•	•	•	•	•	•	•		•		•		•		•		

Past Contracts Relevant to Seaport-E

ZIN Technologies, Inc. (ZIN) is an experienced developer of ground and flight systems for space and defense system applications. Our corporate website is www.zin-tech.com. We are a Minority-Owned, Small Disadvantaged Business (MO-SDB). Our experience base includes competitively awarded engineering contracts from both government and commercial companies. Our expertise includes providing scientific, engineering (systems, analytical and subject specific), technical, operational, and program management resources, for both small and large/complex aerospace programs. ZIN has developed and flown over 150 manned space flight payloads on the shuttle, MIR and International Space Station. We have developed mission-critical electronics for USAF fighter jets, the International Space Station and unmanned NASA space probes. We support the NASA Glenn Research Center with technical and program administration tasks. We have low-volume manufacturing capability in high-reliability electronics and high-precision mechanical systems. We can perform qualification & acceptance testing for equipment that will operate in harsh environments.

Contract: Space Flight Development and Operations Contract (SPACEDOC), Contract number NNC09BA02BA.

ZIN is the prime on SpaceDOC, supporting the the NASA GRC Spaceflight Directorate with program and project management, CM, safety and mission assurance, planning, analytical and physical integration, multi-disciplinary engineering, design, development and delivery, technicians, property management, and operations. Specific requirements include payload development, system materials and processes, reliability and maintainability, hardware/software product assurance and risk management, special studies (concepts), preliminary design and technology completion, final design and fabrication, system assembly, integration and test, safety, launch support, operations and sustainment and closeout activities. Under SpaceDOC, we operate and maintain the Telescience Support Center at NASA GRC, a mission control-type facility conducting real-time payload ground operations 24x7 in support of the International Space Station.

Contract: Vibro-Acoustic Test Capability at NASA Plumbrook (VTC), Contract Number NNC07CB70C

ZIN (Sub) was teamed from 2007-2011 with SAIC/Benham Constructors LLC (Prime) to design, engineer and build two launch vehicle (LV) and spacecraft (SC) test facilities at the NASA Plumbrook Station near Sandusky, OH. This capability will be used to conduct environmental tests on large-scale SC/LV to demonstrate safe performance in conditions simulating launch, on-orbit and re-entry (built to meet former constellation requirements for Inter-Stage Ares, ORION and ALTAIR). ZIN's responsibility on VTC consisted of the design, development, delivery and installation of the High Speed Data Acquisition System (HSDAS), the auxiliary

control room, and the design and analysis of the large vibratory test systems inertial mass and the interfaces to the vibratory actuation equipment and systems.

Contract: MM-SAMS Avionics Development, Contract Number NNG10EK19C.

ZIN is serving as a contractor to the NASA Goddard Space Flight Center to develop a Space Acceleration Measurement System (SAMS) for the Magnetospheric Multiscale Mission (MMS, ref. http://mms.gsfc.nasa.gov). The MMS mission is a Solar Terrestrial Probes mission comprising four identically instrumented spacecraft that will use Earth's magnetosphere as a laboratory to study the microphysics of three fundamental plasma processes: magnetic reconnection, energetic particle acceleration, and turbulence. ZIN is delivering mission critical avionics and software to support position measurement and inertial navigation functions on-board these spacecraft. The underlying technology comes from ZIN-developed SAMS units on board the ISS/Shuttle and includes digital signal processing and firmware development.

ZIN Quality Assurance Program

ZIN maintains a Quality Management System that is fully certified per ANSI/ISO/ASQ AS9100, Rev. C

The ZIN Quality Assurance Policy is to understand and satisfy our customer's requirements through innovation and continuous improvement. The objective of our Quality Management System (QMS) is to provide on-time delivery to achieve excellent ratings from our customers.

ZIN's Senior Management Team is committed to the implementation of the QMS across its business activities and continually improving its effectiveness by:

- Communicating the importance of meeting customer, statutory and regulatory requirements to all ZIN associates.
- Establishing and implementing a quality policy.
- Ensuring that quality objectives are established for each management organizations activities.
- Regularly evaluating the performance of the QMS during management review meetings.
- Ensuring the availability of adequate resources to meet business goals and objectives.

ZIN's Vice President of Technology & Chief Scientist maintains overall responsibility for its QMS.
The Vice President of Technology & Chief Scientist has designated the Safety & Quality Assurance Manager as the *Management Representative* for the QMS. The Management Representative has the responsibility and authority to:

- Ensure that procedures and related, lower-tier processes needed for the QMS are documented, implemented and maintained.
- Summarize and report the performance of ZIN's QMS to its Senior Management Team and define any need for improvement.
- Act as liaison with external parties such as customers or auditors on matters relating to the QMS.
- Promote awareness of customer requirements throughout the organization.
- Have the organizational freedom to resolve matters pertaining to quality.

The major processes that are managed under our QMS are Contract Award, Engineering and Manufacturing. Major functions managed under engineering include hardware design, software development and configuration management. Major sub-processes under Manufacturing include Validation/Verification and Delivery/Servicing.

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MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
InDyne	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Engineering, System Engineering and Process Engineering Support (3.2)

Services Experience:

WROCI Contract: On WROCI, InDyne engineers perform capacity planning and engineering analysis to meet technological challenges for future improvements to Range networks. Our network systems engineers analyze, design, and evaluate new network architectures using our standard engineering lifecycle process for implementation of new and modernization of current networks ensuring the critical data flow is not compromised. InDyne network engineers are responsible for router and configuration management, service request engineering, and for providing design and engineering support for new network service requests by 30th Space Wing (SW), Vandenberg AFB, and other Range customers. WROCI engineers have received numerous accolades from customers for their success including highly complex projects such as the Range Engineering Improvement Initiative for an Asynchronous Transfer Mode proof of concept.

ETTC Contract: On our ETTC contract, InDyne provides engineering support to ground test facilities including the McKinley Climatic Laboratory, the Guided Weapons Evaluation Facility, the Aerospace Vehicle Survivability Facility, the Joint-Preflight Integration of Munitions and Electronic Systems Facility, the Landing Gear Test Facility, and the Seeker Test and Evaluation Facility. InDyne provides similar support to the US Navy's (USN) Shallow Water Mine Counter-measures surf zone test facility, the Navy Mine Roller Test Track, and littoral test and training areas for USN's Landing Craft Air Cushioned hovercraft. InDyne has supported ETTC High Power Microwave tests for various Directed Energy customers including the USN.

Modeling, Simulation, Stimulation, and Analysis Support (3.3)

Services Experience:

ETTC Contract: InDyne manages airspace data and analyzes potential (simulated) conflicts using simulation and analysis processes developed by our personnel to ensure safe use of the multitude of test ranges within the expansive Eglin Test and Training Complex. Frequently, simultaneous tests are performed throughout the ETTC, and it is imperative that all customers are assured a safe test environment free of interference by other testing activities. Profiles are drawn based on latitude/longitude metadata, center point/radius, and a variety of GIS boundaries (roads, rivers, ranges, airspace, and other captured data) to meet planning and scheduling requirements using GeoMedia geospatial data applications. InDyne's personnel collaborate to design, develop, and document modeled environments and configurations. We also develop and maintain model user guides and provide training to range users.

InDyne manages several ETTC facilities that stimulate smart weapons or instrumentation, via simulation or real hardware-in-the-loop, to collect data on weapon fly-out, engagement, seeker/sensor performance, and to characterize target signatures. For example, at the Guided Weapons Evaluation Facility InDyne develops target scenes in various spectra to include IR, EO, MMW, RF, and develops then runs the various missile fly-out models.

Prototyping, Pre-Production, Model-Making, and Fabrication Support (3.4)

Services Experience:

ETTC Contract: InDyne performs engineering and fabrication including design, development, construction, maintenance, and repair for a multitude of electronic, electrical, mechanical, and structural systems. On our ETTC contract, our fabrication and prototyping activities include the design and construction of electronic chassis to support laser testing on weapon systems, fuel distribution systems, weapon support stands, infrastructure designs, and construction of communication towers, various housing facilities for radar and microwave systems, gun modifications, and water vessels. We utilize a structured cradle-to-grave project management processes which includes cost estimates, developing schedules, managing resources, cost control, status tracking and reporting, safety factor management, reliability and maintainability analysis, human systems engineering, and risk assessment.

System Design Documentation and Technical Data Support (3.5)

Services Experience:

WROCI Contract: The InDyne Team has extensive experience in the use of various documentation control procedures and systems to ensure the accuracy, accessibility, security, and accountability of project, system design, and technical data documentation. InDyne has deployed its in-house developed PIMS and other commercially available systems including IBM's Maximo, BMC's Remedy and Atrium, Prevo Technologies' TechDoc, SolarWinds, Razor, Microsoft's SourceSafe, and Oracle's Primavera Software to control system documentation and ensure the correct version is used and reflects current system configuration. We also have managed large technical libraries including the Master Publications Library on WROCI, where all USAF Western Range controlled systems data and documentation is archived, controlled, and distributed.

Software Engineering, Development, Programming, and Network Support (3.6)

Services Experience:

HITSS Contract: InDyne provides software development to NASA on the Headquarters Information Technology Services and Support (HITSS) contract, where we have developed and sustained a portfolio of over 150 software applications varying from administrative systems to mission support applications. Applications that InDyne develops and maintains include the Financial On-Line Consolidated User System, an agency-wide funds management application that supports the Exploration Systems Mission Directorate in their business support activities related to phasing plans and guidelines, and the Aerospace Technical Facility Inventory which provides information on Government-owned aerospace facilities that public users can query and report on usage and parameter values of property.

Reliability, Maintainability, and Availability (RM&A) Support (3.7)

Services Experience:

ETTC Contract: On ETTC, InDyne adapted a Navy integrated RCM system, supplemented with local procedures, to optimize reliability of all range systems. InDyne supplements its RCM plan with facets of the Planned Maintenance Optimization concept to effectively manage the maintenance of these national assets. This mission-oriented approach allows InDyne to use various techniques to maintain the diverse ETTC infrastructure and focus on continuous improvement in maintenance processes, system and equipment condition, and productivity. One such effort was the establishment of our Small Maintenance and Repair Teams (SMART) that identified and repaired 3,290 separate legacy facility maintenance problems left over from prior contractors. Our SMART effort included roving teams with mixed skill sets that could inspect, identify problems, and fix them, often on the spot.

WROCI Contract: InDyne uses an ISO-certified RCM plan, supplemented with local procedures to optimize reliability. As at many US Navy sites, the WR contains a great diversity of infrastructure, equipment, and systems that must be maintained for availability. The maintenance of these national assets presents many challenges, most notably the wide variation in the age and condition of the assets. This program has facilitated WROCI's effectiveness in overcoming the many challenges including the loss of staff experience; aging systems using outdated/obsolete technology; limited O&M documentation; vanishing vendors; saturated schedules; increasing pace of support activities, including sustainment/modernization projects, formal testing requirements, and increasingly complex security requirements; multiple Government and contractor organizations with blurred lines of responsibility, and budgetary constraints. InDyne supplements our RCM plan with facets of the Preventive Maintenance Procedure concept to effectively manage the maintenance of these assets. This mission-oriented approach allows InDyne to use various techniques to maintain the diverse WR infrastructure and to focus on continuous improvement in maintenance processes, equipment, system condition, productivity, and ensures a continuously available and robust range.

Human Factors, Performance, and Usability Engineering Support (3.8)

Services Experience:

HITSS Contract: On InDyne's HITSS program, one critical element in the design of new applications and websites is the consideration of human factors. For example, HITSS provides usability research and analysis for numerous NASA websites including those for the NASA HQ Office of Communications and the Science Mission Directorate. The HITSS Team also specializes in Section 508 of the Americans with Disability Act compliance, which requires that all Web site content be equally accessible to people with disabilities. This applies to Web applications, Web pages and all attached files as well as intranets and public-facing Web pages.

System Safety Engineering Support (3.9)

Services Experience:

ETTC Contract: InDyne provides system safety engineering support for every task asked to design, analyze, construct, and operate. For mechanical projects, InDyne uses SolidWorks modeling software to develop a concept design, take it through structural, stress, strain and temperature analysis to ensure at least a 1.5 factor of safety is achieved before going into the final stages of design and eventual construction.

ESSV Contract: InDyne provides system safety engineering support for every task asked to design, analyze, construct, and operate. For mechanical projects, InDyne uses modeling software called SolidWorks to develop a concept design, take it through structural, stress, strain and temperature analysis to ensure at least a 1.5 factor of safety is achieved before going into the final stages of design and eventual construction. From an electrical standpoint, InDyne incorporates National Electrical Code and NFPA 780 current standards into our current designs and use a minimum 2.5 factor of safety. InDyne's Safety, Environmental and Occupational Health employees perform job hazard analyses before operation or use these systems to maintain our excellent safety record which is demonstrated in our 2011 Experience Modification Rate of 0.81; 29% below the industry average.

Configuration Management (CM) Support (3.10)

Services Experience:

WROCI Contract: On WROCI stringent CM is a critical effort in ensuring that range infrastructure and assets (some more than 40 year old) are maintained, changed, and upgraded in accordance with established baselines. CM is applied to tasking, sustaining engineering, developmental support engineering, and Sustainment and Recapitalization (SRC) hardware, software, and facilities changes. Work scheduled to be accomplished through sustaining engineering or systems engineering and interaction is evaluated prior to installation to determine impact to established configuration baselines. An Engineering Change Proposal and an Authorization for Configuration Change (as applicable) precede installation when affecting WROCI or SRC system baselines. InDyne uses an automated configuration management interface, a web-based application, which increases ease of creation, tracking, and monitoring of configuration change requests with real-time status available through the Government network. CM baselines include project support plans, system requirements and specifications, engineering drawings, system architecture diagrams, system design documents, requirements traceability matrices, system test plans and procedures, version description documents, and system software code.

IOMS Contract: On IOMS, InDyne provides configuration management support to critical low voltage systems within facilities such as the Mission Operations Center, Communication Control/ Switch Building, and other Eastern Range instrumentation facilities. IOMS also maintains strict configuration control on the CCAFS electronic security systems, potable water system, medium voltage (13.2KV) power distribution system, and the wastewater collection system.

Quality Assurance (QA) Support (3.11)

Services Experience:

ETTC Contract: Through our aggressive QA program on ETTC, we changed the contract mindset from reactionary Government inspection based oversight to a proactive metric-based quality culture to correct root causes instead of simply repairing problems. One example of this approach is our corrosion prevention and control program to address procedures and painting techniques before corrosion effects breach the painted surfaces.

ESSV Contract: InDyne's corporate Quality Management/Quality Control (QM/QC) Program is certified to ISO 9001:2008 standards, including our seven core business processes of Accounting and Finance, Contract Management, Business Development, Human Resource, Information Technology Services, Quality Assurance, and Program Management. The corporate QA Program provides comprehensive guidance to all customers, suppliers, and

employees of the specific controls that are implemented to ensure service quality. Our Quality Manual serves as the overarching quality document and defines the minimum requirements and responsibilities for implementing a QA Plan.

The QAP is also based on best practices that have been effectively implemented on projects such as our Taiwan Surveillance Radar project for the Missile Defense Agency, Security Technical Operational Service projects for the Department of State, and ESS Maintenance Services contract for the Air Force Reserve Command. Our QA approach has resulted in high levels of quality on InDyne's many ESS projects. For example, on our Andrews AFB Mission Support Facility project, all 1,100 alarm points passed Air Force acceptance testing the first time.

Information System (IS) Development, Information Assurance (IA), and Information Technology (IT) Support (3.12)

Services Experience:

In providing applications software support, InDyne incorporates disciplined software development lifecycle processes, including lifecycle management and development, development of and adherence to approved application architectures, project scheduling, security, and configuration management. In support of systems and applications development, InDyne analyzes, recommends, acquires, integrates, and deploys innovative solutions consisting of COTS products, GOTS products, modified off-the-shelf, open source/ public domain, and/or new custom developed products in appropriate combination. On the ETTC WROCI and HITSS, InDyne successfully manages LANS and WANS.

WROCI Contract: InDyne provides support to the Western Range Information Assurance Officers and Managers in ensuring continued Certification and Accreditation (C&A) of operational systems. In support of annual survey requirements for accredited systems, we perform an evaluation of each system against the 100 IA controls that are allocated to the systems for DIACAP (DoD Information Assurance Certification and Accreditation Process) compliance. For modification to operational systems, we provide insights to IA issues created by the proposed modifications and work with the range community to develop mitigation actions. InDyne updates or develops new C&A packages that are Air Force Space Command compliant prior to operation of any systems. InDyne uses a team of system experienced IA Security Plus and Certified Information Systems Security Professionals who have participated in implementing DIACAP IA controls for operational systems.

Inactivation and Disposal Support (3.13)

Services Experience:

ETTC Contract: Our ETTC contract has been extremely active in the Improvement and Modernization program for the Eglin Range and has also been active in the deactivation and disposal of obsolete and unneeded capabilities. We use the Defense Reutilization and Marketing Service to aid in the recycling of used targets after the targets are certified to be free from unexploded ordnance and are demilitarized.

WROCI Contract: InDyne has put several WR systems into an inactivation, caretaker, mothball, or prepared-for-disposal status. In addition, WROCI is in the process of bringing Distant Object Attitude Measurement System and FPQ-6 radars out of caretaker status.

Interoperability, Test and Evaluation, Trials Support (3.14)

Services Experience:

WROCI Contract: InDyne plans, executes, and reports results of Operational Test and Evaluation (OT&E) of new and modified system's performance in their operational environments. InDyne also creates OT&E test procedures and reports to ensure a comprehensive assessment of the SW's readiness to accept the system into its operational inventory. This includes the system's operational performance, adequacy of supporting documentation (developer and O&M contractor), sparing levels, logistics support processes, personnel training sufficiency, and manning. For example, InDyne's Radio Frequency Measurement Center (RFMC) performs the certification, qualification, and

checkout testing to verify the operational readiness of the Flight Termination Receivers/Decoders to meet Range Safety Requirements. InDyne operates the Command Receiver Measurement System (CRMS), a mobile asset in the Command Receiver Measurement Van (CRMV) which tests and evaluates in-vehicle Flight Termination receivers at the Missile Assembly Building and other launch facilities throughout the WR.

Measurement Facilities, Range, and Instrumentation Support (3.15)

Services Experience:

ETTC Contract: InDyne applies rigorous engineering, analytical, and technical disciplines in the operation and support of various measurement facilities, range equipment, and instrumentation devices through all phases of developmental and operational test and evaluation of modern day weapon systems. In preparation of both ground and airborne system experimental testing, InDyne provides infrastructure maintenance on range structures and equipment, electrical power, IT Support (including local and wide area networks), and buildup of fixed and mobile targets. During actual tests, InDyne operates and controls numerous fixed and mobile radars, telemetry and optical systems used in land or airspace management, and data collection, along with frequency monitoring and control flight termination systems for proper test item control. This disciplined approach enabled the successful execution of over 13,500 test and training missions in 2011.

WROCI Contract: InDyne provides support for the operations of the WR for DoD, civil, and commercial spacelift programs; ICBM development and operational tests; aeronautical systems testing; operations; space surveillance; and other programs. We conduct operations planning, employment, and scheduling of the instrumentation, network, and the command and display segments to satisfy the requirements of all range users and the 30th SW. We manage and control local airspace, sea, and land hazard/caution areas during launch operations and control aeronautical operations on the West Coast Offshore Operating Area through the WR Military Radar Unit. We manage and coordinate support required from other national ranges in support of operations on the WR. We also manage all security, safety, maintenance, and conduct of operations within the Western Range Control Center/Western Range Operations Control and provide a Go/No Go recommendation for launch at the WR.

Logistics Support (3.16)

Services Experience:

ETTC Contract: The ETTC contract requires supply purchases, accounting, and management for equipment and services for all test/training support. InDyne has integrated its logistics and property management program to provide an effective interface with base supply, civil engineering supply store, the Defense Reutilization and Marketing Offices, Instrumentation Radar Support Program, and coordination with the Government on all requisitions for equipment, parts, and material. We provide spare parts and maintenance services for all GFP and store and process all depot level maintenance activity and maintain schedules and processes for over 5,000 items of Test, Measurement, & Diagnostic Equipment for the Precision Measurement Equipment Laboratory.

WROCI Contract: On WROCI, an integrated logistics support approach is used to manage freight traffic, supply management, transportation management and stock purchases. Using our PIMS logistics module, property searches in the online database reduces supply searches by 50% or more.

Supply and Provisioning Support (3.17)

Services Experience:

ETTC & WROCI Contracts: InDyne's PIMS effectively manages end-to-end supply and provisioning functions on both the WROCI and ETTC contracts. Once an inventory baseline is established, the PIMS Configuration Management System module links to the Inventory module to query for replacement parts. Items not available in Base Supply system are then procured through PIMS' Requisition module.

Training Support (3.18)

Services Experience:

CAPPS Contract: On the Checkout, Assembly and Payload Processing Services (CAPPS) contract, InDyne administers a comprehensive training and certification program that is vital to maintaining a NASA highly-skilled technical workforce engaged in the assembly, test, ground, and launch processing of the International Space Station elements and other NASA payloads. InDyne provides safety and access training that ensures compliance with Environmental Protection Agency, Department of Transportation, Occupational Safety and Health Administration, ANSI, NASA and USAF requirements. This training uses instructor-led and computer-based training to ensure successful completion of individual work tasks with minimum risk to personnel, equipment, and the environment. We provide O&M training that provides engineers, technicians, and inspectors with the knowledge of operational procedures and fault-isolation methodologies to operate, test, and maintain flight hardware, ground support equipment, and facility systems. We provide a skills certification curriculum that provides theory, practical applications, demonstrations, and skills performance evaluations which certifies employees to perform a prescribed skill, usually within an high risk or hazardous area. InDyne also conducts an equipment operator licensing curriculum that combines course material with OJT skill proficiency training, providing technicians with licenses to operate cranes, doors, forklifts, man-lifts, respiratory equipment, and other specialized equipment needed for critical tasks or in high risk environments.

ETTC & WROCI Contracts: InDyne provides similar training and certification programs to both contractor and Government personnel on our ETTC and WROCI contracts. On all our contracts we utilize "instructional design" techniques and processes for content development, training, and evaluation and have deployed our PIMS Training Module to disseminate computer-based training, archive training content, maintain instructor-led course schedules, establish individual training plans, and track and evaluate individual and instructors training performance.

In-Service Engineering, Fleet Introduction, Installation and Checkout Support (3.19)

Services Experience:

ETTC Contract: InDyne implemented a Performance Optimization Program (POP) to ensure fruition of innovative technologies and applications in support of our customer. The focus of the POP is to involve process owners and customers in the use of various analytical methods for problem solving and process or product improvement. The POP is designed as a project oriented approach to optimize a specific process, technology, or infrastructure support area and uses a Lean Sigma process since it supports a disciplined, analytical approach to problem solving. Projects are facilitated by Lean Six Sigma black-belt certified POP Team members. Successful POP projects include the Planned Maintenance Optimization project, which analyzes current preventive maintenance practices to improve system performance and longevity through optimization of preventive maintenance procedures and schedules and also optimizes the efficiency of labor, materials, and system wear. The Munitions Management Improvement project analyzed a primarily manual process resulting in elimination of legacy data errors, significant automation, improved tracking with new munitions reports, and reduced the risk of errors.

Program Support (3.20)

Services Experience:

ETTC Contract: InDyne utilizes a corporate-wide enterprise management methodology that promotes innovative, integrated, flexible, and effective program management based on Project Management Institute best practices. Our Program Management processes are supported by our in-house developed PIMS which consists of a collection of modules that collect and share data across all facets of program management including planning, budgeting, cost collection, technical performance, metrics, work authorization, work control, purchasing, inventory, quality, safety, customer satisfaction/survey, service provisioning, and reporting. We have integrated our systems with a variety of Government systems to provide our customers real-time data including costs, performance and metrics. These

systems facilitate consistent controls over key business processes and ensure program managers, corporate officials, and the customers have access to pertinent contract performance information they need to make key business decisions or anticipate any performance or cost risks.

For example, InDyne has established and maintained an organization to effectively accomplish all tasks, operations, maintenance, and support requirements. We have developed and maintained a Program Management Plan for tracking program support, services provided, maintenance activities, actual labor hours, material costs, special projects, work requests, configuration management, other areas that require program office visibility, and our support categories which include safety, security, quality assurance, configuration control, cost accounting, property control, and scheduling.

At ETTC, our PIMS Service Order Module interfaces with the Eglin Electronic Tasking System and pulls data every 15 minutes to populate service orders. The service orders are electronically distributed to the appropriate work center facility where tasks are evaluated, classified, and assigned. The schedule, cost and status of each task are tracked in the module. This module also interfaces with our accounting system, which uploads cost data to the Air Force Job Order Cost Accounting System (JOCAS). We typically close over 1500 task orders (TOs) annually, and receive performance ratings averaging above 98%.

Functional and Administrative Support (3.21)

Services Experience:

InDyne and our team have extensive experience providing clerical and administrative personnel supporting all levels of military commands, program offices, project offices, bases, installations, centers, and campuses – both CONUS and OCONUS. We have employed all levels of labor classification for both internal program support and customer support. We also deploy many clerical and administrative personnel in support of our Government customers. Additionally, we have wide experience working with collective bargaining agreements and detailed human relations processes that support mutual understanding between the company, Government, and employees.

Public Affairs and Multimedia Support (3.22)

Services Experience:

MTSC Contract: In support of the Multimedia Technical Support Contract (MTSC) at Eglin AFB, InDyne provides a variety of the Multimedia support in a dynamic and expansive water and land test and training range. We utilize our PIMS application to schedule, track, and evaluate tasks and delivered products with rapidly changing requirements and response times. We operate high-speed motion pictures cameras and sensitive digital cameras in extreme conditions ranging from the frigid cold of the McKinley Climatic Laboratory or airborne environments, to the salt-spray, high humidity of marine test environments. We employ strict processes for scheduled preventive maintenance, work order processing, and equipment health testing to ensure that our people and equipment operate flawlessly the first time in aerial, ground-testing, and live production environments where second chances are simply not an option. We employ and train a staff of professional photographers, graphic artists, illustrators, editors, photo/video processing professionals, and photo-optics technicians that provide services and products including video and still photography, live broadcast, 2D & 3D animations, brochures, computer art, wall art, laser engravings, website publications, large formatted printing, and installation and repair of all audio-visual equipment.

MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
Cyfor Technologies	●	●	●	●	●	●			●	●	●	●		●						●		

CYFOR Technologies

SUMMARY OF CAPABILITIES

ENGINEERING SERVICES:
- Systems Engineering and Integration
- Engineering Design and Analysis
- Advanced Power Systems
- Advanced Communications

CYBER/IT SECURITY SERVICES:
- Managed Security Services
- Vulnerability Assessments
  - Threat Discovery (Blue Team)
  - Threat Replication (Red Team)
  - Penetration Testing
  - Incident Response
  - Operational and Strategic Planning
  - Risk Mitigation
  - Strategy/Policy Formulation

Contract Name: Electrical Systems Engineering Support - Interim, NASA/ Goddard Space Flight Center, Greenbelt Road, Greenbelt, MD
Prime Contract: NNG10CR08C
Sub Contract: CYF-10-S-446

SERVICES PROVIDED:

- Analog Design Engineering
- FPGA Design and Development
- PWB & Harness Design and Documentation
- RF & Antenna Development
- Electronic Parts Testing, Verification, and Packaging

Summary:

CYFOR Technologies LLC is **Veteran Owned, Service Disabled Veteran Owned, Minority Owned**, small business providing consulting and technical services in support of the ESES Interim Contract. Under this contract we provide electrical engineering services and related work in support of NASA/Goddard Space Flight Center, as required, for the study, design, development, integration, testing, verification and operations of various space flight and science missions. Engineering services we provide include:

Analog Design Engineering – CYFOR Technologies provides Analog Design Engineering services that include: Spacecraft Power Systems/Architecture/Design, Solar Array design and development, Battery LiIon/NiH specification and development

Field Programmable Gate Array (FPGA) Design and Development – CYFOR Technologies provides FPGA Design & Development Engineering services to include: Process and Product Assurance, Formal Verification of VHDL for Flight FPGAs, Reconfigurable Computing R&D, Satellite Ground Data Processing Acceleration, and Software Defined Radios

Printed Wiring Board (PWB) & Harness Design and Documentation – CYFOR Technologies provides PWB electronic design services to include: analog, digital, and mixed signal design requirements; flight and non-flight electrical harnesses; software design tools to include PCB (Mentor), OrCAD, and Auto CAD; and Rack and Panel design and documentation

RF & Antenna Development – CYFOR Technologies provides space flight RF communications subsystem design and review; ground and space flight antenna analysis, design and development; antenna assembly, RF and environmental testing; Integration and Testing at sub-component level, and documentation support and data entry

Electronic Parts Testing, Verification, and Packaging – CYFOR Technologies provides reliability testing and verification of spacecraft electronic component specifications and performance requirements. This includes development of proper screening and qualification requirements, administration of failure analysis processes, inspections and vendor audits, high assurance parts packaging/control, and generation of source control drawings.

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S&K GLOBAL SOLUTIONS

A Salish & Kootenai Tribally-Owned Business • SBA 8(a) Certified

MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
S&K Global Solutions		•			•	•	•					•			•	•	•			•	•	•

S&K Experience

Contract	Description	Customer	Contracting Officer	Synopsis
DTFAWA10A-00172 - 0001	Web Development	FAA	Kevin O'Hara Western Logistics Service Area Acquisition Group, 1601 Lind Ave, Renton WA 98055 Kevin.O'Hara@faa.gov (425) 227-2869 Craig Merrill PH 501-918-4444 Dan Cheney PH 425-227-2680	Develop computer graphics and web-based content of "lessons learned: from historic transport airplane accidents that is accessible by all individuals and organizations involved in the production of aviation safety systems. The objective is to create a knowledge base of material that will form the basis for knowledge which was not previously available.
N00406-11-P-6919	Professional Services	Navy	Danny Lewis, Division Director, NAVSUP Fleet Logistics Center, Puget Sound NAVSUP FLC Puget Sound, 467 W Street 2nd Floor, Bremerton WA 98314 danny.r.lewis@navy.mil (360) 476-5373	Provide logistical support for executive meetings to include the monthly Executive Steering Committee Meetings, bi-weekly Executive Director's Meeting, the Admiral's and Installation All Hands Calls. Coordinate Quarterly and Annual Business Plan briefs to each the base Commanding Officer (NBK, NASWI, NSE, NMII, NRNW Executive Staff).
W912DW-09-D-1003	CAD/CAM	Army	Bonilie Lackey bonilieJ.Lackey@usace.army.mil (206) 764-4481	Provide all services to perform Computer Aided Drafting (CAD) work at the Libby Dam and Chief Joseph Dam. Responsible for conversion of technical drawings from hardcopy originals and As-Built documentation. Preparing technical drawings, update drawings, and review drawings.
N00406-11-P-7451	Range Cleaning and Maintenance	Navy	Danny Lewis, Division Director, NAVSUP Fleet Logistics Center, Puget Sound NAVSUP FLC Puget Sound, 467 W Street 2nd Floor, Bremerton WA 98314 danny.r.lewis@navy.mil (360) 476-5373	Provide Firing Range Cleaning and Maintenance: Perform range cleaning behind the firing line

Contract	Description	Customer	Contracting Officer	Synopsis
N00406-12-P-1825	N1 Training Support	Navy	Danny Lewis, Division Director, NAVSUP Fleet Logistics Center, Puget Sound NAVSUP FLC Puget Sound, 467 W Street 2nd Floor, Bremerton WA 98314 danny.r.lewis@navy.mil (360) 476-5373	Provides classroom instruction of the Human Resources (HR) for Supervisors Training. This consists of presentation of the course material, facilitating individual and group activities, and responding to students' questions.
N00406-12-P-2409	Navy TIP Program Support	Navy	Danny Lewis, Division Director, NAVSUP Fleet Logistics Center, Puget Sound NAVSUP FLC Puget Sound, 467 W Street 2nd Floor, Bremerton WA 98314 danny.r.lewis@navy.mil (360) 476-5373	Provides complex technical analysis and interpretation of all TIP program documentation. Develop processes for implementing the Department of Defense Transportation Incentive Program (TIP) for Navy Region Northwest and its installations.
N00178-10-D-6283	Seaport-e	Navy	Gary Byram Seaport-e NSWCDD, Bldg 183 17632 Dahlgren Rd, Suite 157 Dahlgren, VA 22448 (540) 653-7087 seaport_epco@navy.mil	Seaport-e Is a mulitple award contract that allows Naval organizations, such as Naval Sea Systems Command, Naval Air Systems Command, Space and Naval Warfare Systems Command, Naval Supply Systems Command, Military Sealift Command, Naval Facilities Command, Strategic Systems Programs, Office of Naval Reserarch and the US Marine Corps to issue task orders for a variety of engineering and IT Services.
FA8509-11-C-0017	Helicopter Integrated Product Team A&AS	Air Force	Wendi Lough 235 Byron St, BLDG 300 STE 19A wendi.lough@robins.af.mil 478-926-3102	The purpose of this contract is to provide specialized logistics A&AS services. This service includes Program Management and Equipment Specialist support for modification programs managed by the SOF/PR Division, Robins AFB, GA.
W912CZ-09-D-0023	Administrative & Telecommunication Services	Army	Edith Smith 907-384-7104 ofc 907-384-7118 fax Kevin Wenz 907-384-2348 ofc 907-384-6170 fax	Provides administrative support to the HR/Travel and Training Department, Engineering Department, Facilities and Utilities, Master Planning, Real Property, Environmental, and Housing departments.
FA8505-11-D-0008	Manpower Support Services	USAF	Alexander Comportie	SKGS supports a wide range of F-15 acquisition, modification and sustainment activities and management operations in Modification Support, Production Support, and Depot Maintenance Activities and Supply Material Activity to include Foreign Military Sales support.
FA8505-12-D-0005	Manpower Support Services	USAF	Alexander Comportie	SKGS supports a wide range of F-15 acquisition, modification and sustainment activities and management operations in Modification Support, Production Support, and Depot Maintenance Activities and Supply Material Activity to include Foreign Military Sales support.

Contract	Description	Customer	Contracting Officer	Synopsis
DTFAWA10A-00172	eFast MOA	FAA	Melicent Nhan FAA AWA 800 Independence Avenue, SW Washington, DC 20591 PH 202-267-3210 melicent.nhan@faa.gov	The MOA, which will function as a Blanket Purchase Agreement (BPA), provides for a broad range of comprehensive professional and support services. Construction is not within the scope of this MOA. Contracts issued under the MOA will have the terms and conditions stipulated in the MOA.
N00406-11-P-7132	Professional Services	Navy	Danny Lewis, Division Director, NAVSUP Fleet Logistics Center, Puget Sound NAVSUP FLC Puget Sound, 467 W Street 2nd Floor, Bremerton WA 98314 danny.r.lewis@navy.mil (360) 476-5373	This task involves facility management services for the Fleet and Industrial Supply Center Puget Sound Engineering and Environmental Division. Duties include, Development of Annual FISC Facilities Sustainment Plan, Delivering the Project Submittal reports for the annual facilities data call for FLC PS sustainment, modernization and restoration (SRM) to FLC PS technical monitor and Facility Project Managment Services.
W912D0-10-C-0007	VI Photographer	Army	Stefani Shingledecker 907-353-2968 ofc 907-353-7302 fax Felicia Jackson 907-353-6612 ofc 907-353-7302 fax	Provides photography services to include official DA portraits, passport photos IAW Dept of State guidelines, and citizenship/naturalization photographs.
DTFAWA10A00172 - 0002	Web Development	FAA	Kevin O'Hara Western Logistics Service Area Acquisition Group, ANM-52, 1601 Lind Ave, Renton WA 98055 Kevin.O'Hara@faa.gov (425) 227-2869	The contractor shall provide several services to support the ASKME-ALL application in the following areas: Software design, development, consumed system sun setting and documentation. To provide this support the contractor is required to interface with various FAA and DOT organizations. Coordination with FAA and other organizations and parties will be directed by the AQS-230 Project Manager.
GS00Q09BG0019	Legacy IT Support	Navy	Gregg Simko 1615 Murray Canyon Rd., Suite 140, San Diego CA 92108 Simko_gregg@bah.com (619) 278-4907 Ed Ball PH 206-652-3036	Customer support services include the PSNS & IMF IT Tier 1 Help Desk which requires 24 x 7 coverage, requiring a minimum of three employees per shift. Other customer support services require other personnel to work normal day shifts. The contractor shall assist in providing on-site PSNS & IMF IT customer support services for all CONUS and OCONUS users.
W912D0-10-C-0006	Telecommuni ca-tion Technicians	Army	Tiffany Brogan 907-384-2887 ofc 907-384-3306 fax Michael Conner 907-353-4019 ofc 907-353-7302 fax	Operate and maintain the Administrative Telephone System and cable plant, including technical and administrative coordination of outside plant and other on-base telephone activities, and track and complete all telecommunications service orders.

Contract	Description	Customer	Contracting Officer	Synopsis
N00406-10-P-B883	Engineering Services for the Puget Sound Information Grid (PIG)	Navy	Spencer Butheras PH 360-476-0267 FAX 360-476-6479 Russ Olsen PH 360-627-6230	SKGS provides assistance to the Navy Region Northwest (NRNW) in its efforts to overhaul the Pacific Northwest Information Grid (PIG). SKGS provides technical and programmatic support for network acquisition, planning, and engineering activities related to the elimination of ATM from the PIG. This contract will provide network engineering and redesign support in an effort to modernize the PIG across the all NRNW locations.
N00406-06-D-6032 *(TOs: 0010, 0011, 0012, 0013, 0014, 0017, 0020)*	Technical Support	Navy	Ron Schreck FISC Puget Sound 467 W Street Bremerton, WA 96314 PH 360-476-2106 ron.schreck1@navy.mil	Provide hazardous material inventory system support, management of confined spaces, traffic safety studies, hazard analysis, administrative support, sustainability management system support, meeting support, and assessment, reviews and corrective actions. Develop and implement PIER Program, Business Utility Program, and training.
07FRSA0007	Documentation & Archival	USGS	Paula Winningham Forest & Rangeland Ecosystem Science Center 777 NW 9th Street, Suite 400 Corvallis, OR 97330-6169 PH 541-750-1050	Provide production, coordination, editing, graphics, software, and printing and distribution support for this task. Complete editing, design, layout, and publication coordination for USGS fact sheets, posters, web pages, and other formal and informal publications for distribution or display by the USGS Forest and Rangeland Ecosystem Science Center.
N00406-09-D-9181	IT Support Services	Navy	Vonda Winter 467 W Street 2nd Floor Bremerton, WA 96314 PH 360-476-3325 vonda.winter@navy.mil	A wide spectrum of information technology support for the Regional Information Services (RIS).
N00406-09-C-9002	Technical Supply Support	Navy	Rita Matthews 406-745-7500 ofc 406-745-7506 fax Anthony Amadeo 580-579-0037 ofc 406-745-7506 fax	Perform a range of technical supply support work in material expediting, causative and detailed supply technical research, naval message drafting, database entry, logistics system interface and customer service.

GEOCONTROL SYSTEMS, INC.

MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
GeoControl Systems	•	•	•	•	•	•	•		•	•	•	•		•		•		•		•	•	

GeoControl

Real-Time Systems Development & Integration at Johnson Space Center

The RTSD&I contract supports 4 JSC offices and the respective 4 Technical Monitors. Subject matter experts provide:

1. Consult to the ISS software Development Manager
2. Support on proposed ISS International Partner software changes
3. Coordination of Engineering reviews of ISS software changes
4. Assistance to the ESCG COTR

Test & Evaluation Support at White Sands Test Facility

GCS employees participate in the maintenance and operation of several test stands and the high altitude simulation system used for testing Space Shuttle, DOD and commercial rocket engines. GCS engineers and quality representatives participate in design, build up, activation and testing of complex rocket propulsion systems, and are responsible for scheduled maintenance and upgrades, trouble-shooting, root-cause analysis, diagnosis, and repairs as required. GCS employees are responsible for the operation and maintenance of numerous high pressure helium and nitrogen systems, rocket engine propellant supply systems, liquid nitrogen storage, breathing air systems and mobile equipment. They prepare and execute detailed preventative and corrective maintenance procedures and develop plans to apply more aggressive Reliability Centered Maintenance techniques in approach to preventative maintenance for these critical support systems.

Application Development, Maintenance and Helpdesk Services at NASA IV&V Facility

GCS maintained and enhanced a suite of software applications that support IV&V of critical flight software. GCS performed configuration management on applications, users, and documentation and maintained a helpdesk that supports both local and remote users. GCS provided user training and multi-tier support, and developed and maintained user and reference documentation.

Warehousing & Inventory Management Experience at the National Data Buoy Center

GCS personnel provide property management and logistics services to NOAA, which maintains and operates the national data buoy network in the Atlantic, Pacific, and Gulf of Mexico. Property management services include management and tracking of over 12,000 government-owned and tagged property items. Logistics services include receiving (and receiving inspection) of all contract-procured materiel, warehouse management, and shipping of installation-ready components to the sea-going teams that perform on-station maintenance of the buoys.

Engineering, System Des Doc/Tech Data, CM, QA, Logistics, Program, and Administrative Support to the ISS Program at Johnson Space Center on the Boeing Engineering and Technical Services contract.

Boeing's International Space Station (ISS) Program is responsible for integrating all payloads into the ISS Vehicle. Under the Boeing Engineering Technical Services Program Integration (BETS PI) subcontract GCS provides a variety of support services including the following:

- Manifesting and Bench reviews of sustaining and payload hardware
- Flight Payload Management services
- Support to the Certification of Flight Readiness (CoFR) Process for Shuttle and International Partner vehicles
- Configuration Management and Data Management support for Hardware, Software, and related Data Products
- Coordinating all Change Evaluation Forms—the forms used to propose and analyze payload changes—from initiation, through analysis, to final disposition
- Support for development and maintenance of the Payload Tactical Plan
- Technical editing and document quality control for all program documents
- Administrative services to the team of Payload Integration Managers, organizing meetings and assuring open communications
- Specification and testing of Payload Integration support tools and development of related training material

Payload developers around the world rely on GCS's services to walk them through the entire integration process. We perform this work in Houston, at the Boeing facility near JSC, and at the Marshall Spaceflight Center in Huntsville, Alabama

Quality Assurance

Quality assurance begins with fully understanding and capturing the customer's requirements for products and services. Since requirements can change, GCS maintains regular communications with customers and periodically validates requirements to ensure that the final product or service meets and exceeds customer expectations. Wherever possible, and in conformance with our AS9100 certified quality management system, we use documented processes in the delivery of our services. Documented processes ensure consistency in service delivery and form a basis for continuous improvement.

Some additional measures we use to ensure and enhance quality include:

- Peer review of intermediate products
- Peer and approval review of final deliverables
- Flowing down quality requirements to subcontractors and reviewing products provided by subcontractors
- Development of Tailored Project Implementation Plans to guide service delivery
- Corrective and Preventative Action focused on root cause identification and elimination
- Regularly soliciting customer feedback on products and service delivery
- Integration of risk management into planning and control

Points of Contact

Customer Service

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MEIT SeaPort-e Team Member	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22
Precise Systems	•	•			•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	

Precise Systems is an Employee Owned SDVOSB headquartered in Lexington Park, MD, with offices in Washington DC, NOVA, Havelock, NC, and providing key support in California, Florida, and Texas. Precise is comprised of highly-skilled experts who offer specialized program management, engineering, information technology (IT), logistics, and SharePoint KM services. These services, and our ability to provide blended solutions using a multidisciplinary approach, are Precise Systems' core strengths. Precise is a key member of several NAVAIR PMAs supporting developmental and in-service aircraft. This includes the development and maintenance of procurement, change, and sustainment documentation; providing design analysis through all phases of the aircraft lifecycle and through all phases of the SETR process. Precise also provides program and administrative support for planning, staffing, financial, and control aspects of the programs supported.

Contract Number	Task Order	PMA	Period of Performance		Value at Award
N00178-05-D-4500	M801	PMA 209	6/19/2006	6/18/2011	$31,287,755.00
N00178-05-D-4500	M804	PMA 274	12/1/2006	7/31/2012	$45,565,714.41
N00178-05-D-4500	M805	PMA 234	9/1/2009	8/31/2014	$8,716,484.00
N00178-05-D-4500	M806	PMA 276	11/24/2009	6/8/2014	$23,002,946.38
N00178-05-D-4500	M809	PMA 209 FASST	12/1/2010	11/30/2015	$8,379,828.84
N00178-05-D-4500	M810	PMA 209 ACQ	6/16/2011	6/18/2014	$21,654,535.63
N00178-05-D-4500	M811	PMA 226	4/2/2012	4/1/2015	$7,125,747.59

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