

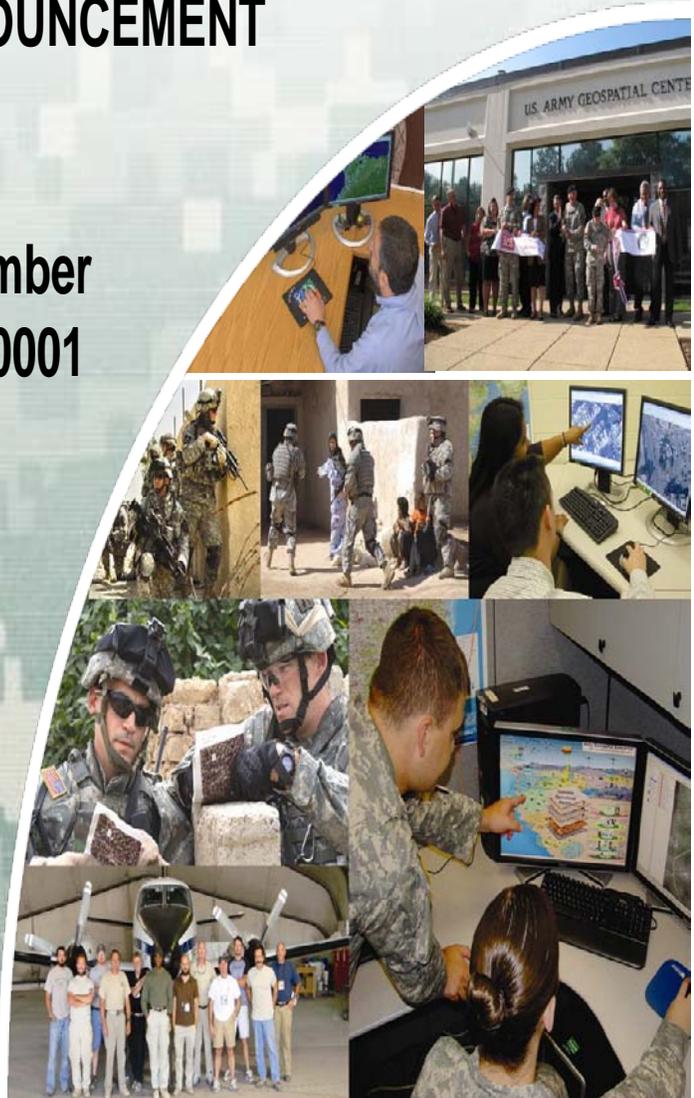
Army Geospatial Center

BROAD AGENCY ANNOUNCEMENT (BAA)

Solicitation Number
W5J9CQ-12-R-0001



US Army Corps of Engineers
BUILDING STRONG[®]



PREFACE

This solicitation constitutes the Army Geospatial Center (AGC)'s Broad Agency Announcement (BAA). The provisions of the Competition in Contracting Act of 1984 (P.L. 98-369) as implemented in the Federal Acquisition Regulation (FAR) Part 35.016 provide for the issuance of a BAA as a means of soliciting proposals for basic and applied research and that part of development not related to the development of a specific system or hardware procurement. To be eligible for consideration and possible contract award, the technology or methodology shall be either basic research, applied research, advanced technology development **not** for a specific system/hardware, or demonstration and validation. BAAs are used by agencies to fulfill their requirements for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding rather than focusing on a specific system or hardware solution. The BAA shall only be used when meaningful proposals with varying technical/scientific approaches can be reasonably anticipated. "Basic Research" is defined as research directed toward increasing knowledge in science with the primary aim being a fuller knowledge or understanding of the subject under study, rather than any practical application of that knowledge. "Applied Research" is the effort that normally follows basic research, but may not be severable from the related basic research; attempts to determine and exploit the potential of scientific discoveries or improvements in technology, materials, processes, methods, devices, or techniques; and attempts to advance the state-of-the-art. This announcement is general in nature, identifying the areas of research interest; includes criteria for selecting proposals; and solicits the participation of all offerors capable of satisfying the Government's needs. The proposals submitted under this BAA will be subject to peer or scientific review. The primary basis for selecting proposals for acceptance shall be technical, importance to agency programs, and fund availability. Cost realism and reasonableness shall also be considered to the extent appropriate. Proposals that are selected for award are considered to be the result of full and open competition and in full compliance with the provisions of PL 98-369, the Competition in Contracting Act of 1984. Resulting agreements will be in the form of contracts.

The AGC encourages small business concerns, women owned small businesses, small disadvantaged business concerns, small businesses located in HUBZones, businesses participating in the Small Business Administration 8(a) program, and service disabled veteran-owned small businesses to submit research proposals for consideration.

The Offeror, by submission of an offer or execution of a contract in response to this solicitation, certifies that the Offeror is not debarred, suspended, declared ineligible for award of public contracts, or proposed for debarment pursuant to FAR 9.406-2. If the Offeror cannot so certify, or if the status of the Offeror changes prior to award, the Offeror must provide detailed information as to its current status.

Proposals from U. S. Government facilities and organizations will not be considered under this announcement.

COMPANIES SUBMITTING PROPOSALS ARE CAUTIONED THAT ONLY A CONTRACTING OFFICER MAY OBLIGATE THE GOVERNMENT TO ANY AGREEMENT INVOLVING EXPENDITURE OF GOVERNMENT FUNDS.

See security/foreign national requirements at Attachments A and B. These requirements cannot be modified or deleted.

Please contact Shirley Martin, AGC Contracting Office at 703-428-3610 or via email at shirley.a.martin@usace.army.mil, if you have questions concerning submittal or contractual requirements. You may contact the technical personnel listed at the end of each topic area for questions concerning the topic areas themselves. PREPARATION INSTRUCTIONS ARE INCLUDED IN PART III.

If, as a result of any telephone contact, an R&D effort is determined to have sufficient interest, an informal outline or White Paper of the proposed effort should be submitted to:

shirley.a.martin@usace.army.mil with email subject line “AGC BAA W5J9CQ-12-R-0001 White Paper”

OR

Army Geospatial Center (AGC)
Contracts Office – CECT-AGC,
Attn: Shirley A. Martin
7701 Telegraph Road, Bldg2592
Alexandria, VA 22315-3864

Contractors preparing a Pre-proposal for submission should follow Part III, Section 5 instructions. Pre-proposals are 3-5 pages in length as needed to convey the concept in simple terms. Some data relating to the estimated cost and schedule is desired.

A review of the papers by AGC staff will determine which efforts are of sufficient interest to merit a formal proposal. If there is sufficient interest in a proposed project, the contracting officer will invite the Offeror to submit a formal proposal. **All proposals, written communications or documentation concerning this BAA shall be forwarded to the following address:**

Army Geospatial Center (AGC)
Contracts Office – CECT-AGC
Attn: Shirley A. Martin
7701 Telegraph Road, Bldg2592
Alexandria, VA 22315-3864

Proposals submitted in response to this BAA may be for a period of performance up to three years. Long-term proposals should contain a brief summary of the work contemplated for each 12-month period, so that contracts may be negotiated for an entire three-year project or for individual one-year options or increments of the total project. A detailed performance schedule for each discrete task must be included along with cost data to include labor cost by labor category.

This BAA shall remain in effect until superseded.

TABLE OF CONTENT

PART I. BACKGROUND

PART II. TOPICS

- A. Geospatial Acquisition Support Directorate
- B. Geospatial Systems Acquisition and Program Management Directorate
- C. Warfighter Geospatial Support and Production Directorate
- D. Tactical Source and Enterprise Solutions Directorate

PART III. PRE-PROPOSAL AND PROPOSAL PREPARATION

- Section 1. Introduction
- Section 2. General Information
- Section 3. Type of Contract
- Section 4. Evaluation Criteria
- Section 5. Contents of Pre-Proposals
- Section 6. Contents of Full Proposals

ATTACHMENTS:

- Attachment A - Clauses for Fixed Price Contracts
- Attachment B - Clauses for Cost-Reimbursable Contracts
- Attachment C - Additional Representations and Certifications

PART I

BACKGROUND

The U.S. Army Geospatial Center (AGC) is a Major Subordinate Command (MSC) under the U.S. Army Corps of Engineers (USACE) located at the Humphreys Engineer Center in Alexandria, Virginia. The AGC focus is entirely on developing and implementing an Army Geospatial Enterprise (AGE) from policy to Warfighting, supporting Army's Mission Command networks and systems by facilitating the dissemination of relevant geospatial information to every echelon across the operational environment.

AGC Mission:

- (1) coordinate, integrate and synchronize geospatial information requirements and standards across the Army;
- (2) develop and field geospatial-enterprise enabled systems and capabilities to the Army and the Department of Defense; and
- (3) provide direct geospatial support and products to Warfighters.

Roles & Responsibilities

Execute policy & implement standards; monitor emerging technologies; validate AGE technical solutions.

Conduct Research, Development, Technology and Evaluation (RDT&E) aimed at increasing the agility of Mission Command through characterization and application of Geospatial Information and Services (GI&S).

Provide technical, acquisition integration and logistical support to the Army acquisition community and transitional technical capabilities under JCTDs and Quick Reaction Capabilities (QRCs). Build and maintain Army Geospatial Data Model that provides a framework for common geospatial concepts and semantics required to share data and support common geospatial application services across the Army, other services, Department of Defense (DoD) organizations, and Coalition partners.

Serve as the Army's Geospatial Center of Excellence, providing direct support to Geospatial Engineers (Geospatial Processing Center down to Brigade Combat Team) as well as all other operating and generating forces that consume or produce geospatial information and services.

PART II

TOPICS

A. Geospatial Acquisition Support Directorate

I. Introduction:

Synchronizes AGE policies, priorities, programs, production requirements, strategies and technologies across the Army Acquisition Community (Program Executive Officers/Program Managers /Product Managers) to ensure the efficient integration of GI&S technologies in systems acquisition. Advises program management of Army acquisition programs, currently fielded systems, and technology integration /demonstration programs on the integration of GI&S capabilities in a manner consistent with consistent with HQDA-approved policy, regulation, and guidance.

II. Research Areas:

A. Army Geospatial Enterprise Operations (AGC-01).

The object is to conduct research on the technology, architecture and processes to support enterprise geospatial operations within the Army, from the individual platform to the theater level, and including support from outside theater. It also considers the efficient integration of GI&S technologies into weapons systems across and within computing environments.

B. Geospatial Standards (AGC-02).

The object is to conduct research on the appropriate standards to support geospatial information collaboration, content discovery, content delivery and visualization among Army mission command networks and systems. This research considers creators, consumers and managers of GI&S; and considers the needs of systems ranging from high-powered-to workstations and servers-to handhelds and embedded applications-to disconnected and disadvantaged users. It also takes into account Army data communications limitations, especially at the tactical level scanning and cartographic support equipment, techniques, and management. It includes the metadata standards required to support data sharing and discovery services.

C. Geospatial Applications and Services (AGC-03).

The object of this research is to identify and define applications and services needed to support the AGE. These would include geospatially enabled applications to be implemented on multiple Army systems/platforms which improve Army capabilities, enhance geospatial synchronization, enhance the capabilities of systems using geospatial data, decrease bandwidth requirements, or otherwise improve the functioning of the AGE. This may also include analysis to support of trade studies of existing products which could be leveraged to create these applications and services.

D. Data Model Development (AGC-04).

The object of this research is to support development of an Army-wide geospatial data model(s) that supports enterprise-wide geospatial services, and analyze the relation of that model to other Army and National System for Geospatial-Intelligence (NSG) models and data standards. It also includes research into the implementation of a geospatial data model in Army systems and programs.

E. Test and Certification (AGC-05).

The object of this research is to identify the experimentation, test, validation, certification strategies to directly support the Army Acquisition Community in ensuring the efficient integration of GI&S technologies and standards into Army acquisitions systems at the appropriate milestones defined by DoD Directive 5000 series.

F. Geospatial Enterprise Migration and Roadmap (AGC-06).

The object of this research is to support the creation of a geospatial enterprise future technology and standards roadmap and a geospatial enterprise migration strategy that addresses the requirements of a Standard and Sharable Geospatial Foundation Mission Command Essential Capability. The research identifies migration issues for existing Army systems and systems under development and proposed resolution of these issues.

G. Geospatial Modeling & Simulation (AGC-07)

The object is to conduct research and engineering development into the production of digital terrain databases used in Modeling & Simulation (M&S). The research will consider processes for verifying and validating digital terrain databases and the processes used to develop these databases. The processes will undergo Verification and validation on sample digital terrain databases.

H. Geospatial Experimentation (AGC-08)

The object of this research is to identify and define policies, procedures, instrumentation, and technologies required to conduct geospatial experimentation, to verify implementation of geospatial standards and profiles, and to measure performance parameters of battle command systems that utilize Geospatial Information. This may also involve research to implement geospatial support to other on-going Army experimentation.

I. Cloud Computing (AGC-09)

The object of this research is to explore various models of cloud computing in a geospatial enterprise and carry out experimentation pilot projects as necessary to validate the models. Research areas would include the optimal architecture to support cloud computing in a geospatial enterprise, the benefits and challenges of cloud computing at various nodes of the enterprise, how various geospatial data types would be addressed in the cloud, and challenges for low-bandwidth and periodically disconnected users, providing analytics as a service, and geospatial data as a service via cloud computing. Additional areas could include security issues in the

cloud environment, crowd-sourced data in the cloud, maintaining the currency of and adding to geospatial data in a deployed cloud, and the use of Federal Cloud Computing services versus standing up a geospatial cloud capability.

J. Geospatial Architecture (AGC-10)

The object is to conduct research and engineering to develop architectures supporting the exchange of Geospatial Information using file-based exchange and web services across all echelons from the National to Tactical level. These architectures must support the exchange, distribution, discovery, and processing of raster, feature, and elevation data for all computing environments in both a connected and disconnected environment. Additional areas of research could include cross domain architectures, connected and disconnected access to data, software application architectures, data architectures. Research must consider multiple platforms, echelons, security issues, and both raster and vector data.

(Contact Dan Visone, 703-428-6920; Email: Daniel.L.Visone@usace.army.mil)

B. Geospatial Systems Acquisition and Program Management Directorate

Topographic Systems Branch

I. Introduction

Conducts acquisition, testing, and fielding of topographic systems and digital reproduction systems until handoff to the appropriate Readiness Command. After handoff, provides technical support for production engineering to the Readiness Command that is serving in the role of system/item manager. Evaluates currently available commercial topographic equipment for military adaptation in support of force modernization. Provides Technical Data Package maintenance of topographic and related equipment in support of spare/repair parts and obsolete component procurements by the Readiness Command. Provides a standardization function through the maintenance of Performance Specifications, Commercial Item Descriptions and topographic related Sets, Kits and Outfits. Conducts and assists in the fielding of topographic equipment.

II. Research Areas

A. Acquisition, Testing, and Fielding (AGC-11)

The object is to conduct research that will improve the efficiency and quality of acquiring, testing, and fielding topographic systems and digital reproduction systems, thereby facilitating more rapid handoff to appropriate Readiness Command.

B. Systems Evaluation (AGC-12)

The object is to conduct research that will improve speed, quality, and efficiency of evaluation of currently available commercial topographic equipment for military adaptation in support of force modernization.

C. Technical Data Package Maintenance (AGC-13)

The object is to conduct research to more effectively provide Technical Data Package maintenance of topographic and related equipment in support of spare/repair parts and obsolete component procurements by the Readiness Command.

D. Standardization (AGC-14)

The object is to conduct research to improve the standardization function in the maintenance of Performance Specifications, Commercial Item Descriptions and topographic related Sets, Kits and Outfits.

(Contact Mr. Robert B. Knowles, Jr, 703-428-6874, Robert.B.Knowles.JR@usace.army.mil)

Imagery Systems Branch

I. Introduction

Conducts advanced and engineering development in the areas of geospatial intelligence including tasking, processing, exploitation and dissemination and provides support for fielding, operations and maintenance of space-related, ground-based Army Tactical Exploitation of National Capabilities (TENCAP) systems. Serves as the AGC interface to the Army Special Programs Office (ASPO). Provides engineering and program management support, consultation to ASPO and other Army organizations, to include identification of emerging technologies and new concepts that have potential application to Army/ASPO systems implementations. Interfaces with elements of the National Intelligence Community dealing with geospatial intelligence systems and architectures.

II. Research Areas

A. Advanced and Engineering Development (AGC-15)

The object is to conduct research on geospatial intelligence systems and architectures along with development of support systems for their fielding, operations and maintenance.

B. Emerging Technologies and New Concepts (AGC-16)

The object is to conduct research and development in engineering to support the ASPO and other army organizations in the identification of emerging technologies and new concepts that have potential application to Army/ASPO systems implementations.

(Contact Mr. Matthew Cro, 703-428-6965, Matthew.B.Cro@usace.army.mil)

Technology Integration Branch

I. Introduction

Conducts research and development in the areas of imagery exploitation, digital image acquisition, processing and dissemination, and intelligence data exploitation architectures in support of the Army/DoD, Space, Electronic Warfare (EW) and mission command networks and systems, i.e., Communications, Computers, Command and Control Intelligence surveillance and reconnaissance (C4ISR) programs. Develops and demonstrates capabilities to support improvements in the Army's DoD ability to conduct surveillance, target acquisition, strike planning, weapons delivery and battle damage assessments in support of precision strike, early entry and depth and simultaneous attack operations as well as operations other than war (OOTW). Integrates and demonstrates technologies to improve the representation of realistic synthetic environments in Army and Joint Simulations. Provides technical administrative and program management support as required, to execute the space intelligence and geospatial programs assigned by AGC, the Army, other customers and DoD. Conducts research and development in surveying and mapping to include the Global Positioning System (GPS), hydrographic surveys, and dam and lock measurement. Use remote sensing as well as field and laboratory research to study spectral reflectance, luminescence and emittance for civil and military applications. The emphasis is on research to develop new techniques, equipment and procedures for surveying and mapping in support of USACE Civil Works, Military applications, Environmental Restoration and Military Construction applications; and transfers new technology to Warfighters, other Government agencies, USACE districts and divisions through reimbursable consulting, training, and standards development.

II. Research Areas

A. Imagery Exploitation (AGC-17)

The objective is to conduct RDT&E in the areas of imagery exploitation, digital image acquisition, processing and dissemination and intelligence data exploitation architectures in support of Army/DoD space and Intelligence Electronic Warfare (IEW) programs. Conduct RDT&E in the areas of imagery collection, processing, exploitation, and dissemination (CPED) process to include all dimensions including but not limited to two-dimensional (2D) and three-dimensional (3D) capability improvements.

B. Mission Command Networks, Systems and ISR (AGC-18)

The objective is to conduct research and development supporting improvements in the Army's/DoD's ability to conduct mission command networks and systems with Intelligence, surveillance, reconnaissance (ISR), target acquisition, strike planning, weapons delivery and battle damage assessments in support of precision strike, early entry and depth, Special Operations Forces (SOF) missions, Counter-terrorism, Counterinsurgency Operations (COIN), Stability and Support Operations and depth and simultaneous attack operations. Providing and integrating technologies

including, but not limited to, high resolution terrain collection, biometric, electro optical, radar and hyperspectral sensors, collection management, other related Intelligence sensor development.

C. Joint Operational Technologies & Integration (AGC-19)

The objective is to conduct research and developing and maintaining methodologies, techniques, tactics and procedures (TTPs) and integration of C4ISR technologies for Warfighter (for all US Armed Services) use in: Counter Intelligence and Human Intelligence (CI/HUMINT); sciences and technologies related to Human terrain and cultural information; Biometric sciences and application; link analysis; analyses of various types; Information technology improvements in secure networks and multi-level security and dissemination; Humanitarian aid and SOF missions, counter-terrorism, COIN, stability and support operations technologies.

D. Army and Joint Simulations (AGC-20)

The objective is to integrate and demonstrate technologies to improve the representation of realistic synthetic environments in Army and Joint simulations.

E. Datums (AGC-21)

The object is to develop new techniques, methods, and procedures for determining the precise position of points on the ground using existing or developing Positioning/Navigation (POS/NAV) equipment. New equipment is developed based on the integration of several new or developing POS/NAV sensors in order to meet USACE Civil Works requirements and Field Military needs. AGC seeks further analysis of geodetic vertical datum and benchmark stability, and optimum methods to monitor unstable networks relative to stable references over 100 miles away.

F. Hydrographic Surveying (AGC-22)

The object of this research is to improve or develop new techniques, methods and procedures for determining the position of surface and subsurface objects and the depth of the bottom of harbors, dams, lakes, and rivers. Researchers provide precise locations using new or existing hardware or suites of hardware. In addition, users need improved capabilities to remotely determine the geotechnical characteristics of river bottom sediments and their distribution.

G. Database Development (AGC-23)

The object is to provide technical leadership and support to USACE HQ, districts and divisions in the definition and establishment of geospatial data standards, plans, policies, and procedures. In this research area AGC identifies, develops, analyzes, reviews, and evaluates applications and technologies that manipulate and process varying levels of topographic and hydrographic geospatial information. AGC seeks new or existing data base manipulation techniques, methods and procedures to manage information on USACE projects, dams, river charts, harbors and other information of interest to the USACE Districts, Division, Military Engineers and National emergency and defense objectives. Investigations include the use of information from new terrain sensors such as Interferometric Synthetic Aperture Radar (IFSAR) and LIDAR to populate databases. Activities also include data dissemination approaches and system development using web-based GIS and map applications.

(Contact Mr. Andrew R. McHugh, 703-428-6897, Andrew.R.McHugh@usace.army.mil)

C. Warfighter Geospatial Support and Production Directorate

Terrain Analysis Branch

I. Introduction

Serves as the Department of the Army's (DA) primary agent for terrain analysis. Meets high-priority requirements validated by DA from Army components of Unified Combatant Commands for terrain analysis including urban, tactical and country-scale assured mobility products and services. Oversees the Warfighter Geospatial Support and Production Directorate (WGSP) modernization efforts. Assesses, develops, integrates, and trains solutions and improvements to the WGSP's collection, management, production, and dissemination of products and services. Evaluates, develops and integrates hardware, software and techniques into the Directorate's information and production systems. Provides miscellaneous cartographic and publishing technical services to all WGSP's projects and programs.

II. Research Areas

A. Terrain Analysis (AGC-24)

The object is to conduct research into terrain analysis techniques and standards, and in their application to development of urban and mobility/counter mobility products and services. Includes tactical terrain analysis research for the detailed analysis of complex tactical terrain objects/features (i.e., manmade objects of interest, micro-natural terrain, varied obstacles/impediments to mobility, for example) to the DoD, DA and USACE.

B. Modernization of Warfighter Geospatial Support and Production Directorate. (AGC-25)

The object is to conduct research on advanced methods of collection, management, production, and dissemination of geospatial and imagery information.

C. Cartographic Technical Services (AGC-26)

The object is to conduct research on advanced electronic publishing, editing, printing, scanning and cartographic support equipment, techniques, and management.

(Contact Glenn Frano, 703-428-8351; Email: Glenn.K.Frano@us.army.mil)

Geospatial Data Branch

I. Introduction

Collects, maintains, manages, and disseminates geospatial information and imagery from multiple sources, to support analyses at the AGC and elsewhere within Army. Serves as the Acquisition Monitor for the Army's Commercial and Civil Imagery Programs.

II. Research Areas

A. Geospatial Information (AGC-27)

The object is to conduct research into improved methods of collection, maintenance, management, and dissemination of geospatial information and imagery from multiple sources.

B. Acquisition Monitoring (AGC-28)

The object is to conduct research into better means of monitoring imagery acquisition for purposes of serving the Army's Commercial Imagery Programs. Research includes improved methods of integrating new information with existing data systems in support of DoD, DA, and USACE planning, training, and operations.

(Contact Mary Pat Santoro, 703-428-6903; Email: MaryPat.G.Santoro@us.army.mil)

Hydrologic and Environmental Analysis Branch

I. Introduction

Serves as DoD's primary agent for military hydrologic analysis and water detection. Prepares water resources analyses to support DoD and DA planning, training, and operations. Manages the DoD Water Detection Response Team (WDRT) in support of all DoD well drilling operations. Integrates cultural and terrain information and produces reimbursable studies to support DoD, DA, and USACE environmental remediation and compliance analyses.

II. Research Areas

A. Military Hydrology and Water Detection (AGC-29)

The object is to conduct research studies in military hydrology and water detection. Research includes development of advanced methods of water detection and hydrologic analysis, including improved methods of integrating new information with existing data systems in support of DoD, DA, and USACE planning, training, and operations.

B. Water Detection and Drilling Management (AGC-30)

The object is to conduct research into more efficient and capable management of DoD WDRT and other functions in support of all DoD well drilling operations. Research includes methods of improving support to DoD, DA, and USACE environmental remediation and compliance efforts.

C. Cultural Mapping (AGC-31)

The object is to conduct research studies in regional cultural mapping. Research includes development of advanced methods of identifying cultural influences on land use, migration patterns, and responses to environmental events.

D. Historical Photo Analyses (AGC-32)

The object is to conduct Historical Photo Analyses of DoD remediation sites to determine focus areas and to provide significant cost avoidance in the restoration effort. This technology provides imagery intelligence (IMINT) to DoD, DA, and USACE planning, training, and operations. Research includes methods of improving support to DoD, DA and USACE environmental remediation and compliance efforts.

(Contact Tom Spillman, 703-428-7869; Email: Thomas.R.Spillman@usace.army.mil)

D. Tactical Source and Enterprise Solutions Directorate

Tactical Source Branch

I. Introduction

Rapidly collect, process, exploit and disseminate high-resolution geospatial data to support Change Detection, ISR and tailored mapping to support the military decision making process. Identify, test and deploy Quick Reaction Capabilities (QRC) to support Operational Needs Statements (ONS) related to high-resolution geospatial intelligence/information. Assess state-of-the-art technologies/capabilities for high-resolution geospatial intelligence/information and enhance as required. Provide end-to-end support (tasking, collection, processing, exploitation, dissemination and storage) of high-resolution geospatial information for the Warfighter. Conduct RDT&E to advance geospatial information systems.

II. Research Areas

A. Database Development (AGC- 33)

The object is to identify, develop, analyze, review and evaluate applications and technologies that manipulate and process varying levels of geospatial information. AGC seeks new or existing database techniques, methods and procedures to manage geospatial information.

B. Advanced Airborne Sensors (AGC-34)

The object is to evaluate airborne sensors that can quickly and accurately obtain high-resolution data from high altitudes. Data to investigate includes, but is not limited to, EO, IR, LIDAR and thermal data. Of particular interest are scanning EO sensors and long focal length frame sensors.

C. Rendering and Display (AGC-35)

The object is to develop new capabilities and techniques for rendering and displaying geospatial information.

D. Integration and Exploitation (AGC-36)

The object is to develop techniques for integration and exploitation of geospatial information to produce computer generated images and future map representations.

E. Battlefield Terrain and Environment (AGC-37)

The object is to develop new geo-spatial information evaluation and reasoning capabilities to provide the Warfighter with improved situation awareness.

F. Data Manipulation (AGC-38)

The object is to develop techniques and methodologies for storing, retrieving, manipulating, and disseminating geospatial information for use in a broad range of military and civil applications. Techniques are needed for managing, comparing, and fusing data from multiple sources. Input data can be vector data, elevation data, intelligence data, imagery, or a combination of the above.

G. Geospatial Information Exploitation (AGC-39)

The object is to conduct RDT&E in the areas of geospatial information exploitation, management and dissemination to provide the Warfighter with improved intelligence, mission command and targeting. Geospatial data is acquired via direct remote measurement and/or estimation through modeling approaches with emphasis placed on exploitation/integration using existing commercial off the shelf technology. RDT&E includes the application of future smart sensors that process and interpret collected data onboard before providing end user data.

H. Data Generation (AGC-40)

The object is to conduct research or develop techniques to perform automated/semiautomated extraction of terrain data from remotely sensed imagery, maps, or from direct measurement. Techniques can be based on single or multiple sources. If using multiple sources, fusion issues should be addressed.

I. Geospatial Communications (AGC-41)

The object is to conduct research and development on techniques, equipment, and systems for communicating geospatial information among sensors, peers, networks, spatial data bases, and enterprise geographic information systems. There is a need to develop solutions that work on currently fielded or soon-to-be deployed Army tactical networks, across multiple security levels. Research is needed to develop new methods for displaying dynamic data crossing tactical networks, and for graphical user interfaces for controlling sensors and their data across networks.

J. Data Representation (AGC-42)

The object is to conduct RDT&E of techniques and methodologies for representing, compressing, or decompressing terrain data. Input can be existing data products or remotely sensed data.

K. Image Registration (AGC-43)

The object is to conduct research and development into techniques to compare imagery and/or remotely sensed terrain data from multiple sources in order to improve spatial registration.

L. Photogrammetric processing software tools (AGC-44)

The object is to conduct research and development into photogrammetric processing software tools and techniques for selected tactical sensors.

M. Visualization (AGC-45)

The object is to conduct research and development on techniques, equipment, and systems for visualizing geospatial information. Research will establish design principles and practices for the display of 2D, 3D, and temporal data in hardcopy and digital environments. Research will include the investigation of simulation and animation techniques. Physical modeling techniques, as well as digital visualizations, will be evaluated.

N. Advanced Registration (AGC-46)

The object is to perform image-to-image registration with data that may have inaccurate metadata. An example is registration of frame images lacking accurate interior and/or exterior orientation information.

O. Photogrammetric Techniques for Large Data Sets (AGC-47)

The object is to apply photogrammetric techniques (such as bundle block adjustment, orthomosaic creation, radiometric correction, automated tie-point calculation, etc.) for projects with large numbers of high-resolution frames. Large number of frames is considered to be in the 5000-50000 range.

P. Geospatial Intelligence Video/Terrestrial Sensors (AGC-48)

The object is to conduct research studies into the application of terrestrial sensors utilizing multiple camera lenses, microphones, and a Differential Global Positioning System (DGPS) combined with an Inertial Measurement Unit (IMU) to produce seamless, high-resolution, synchronized, georeferenced, omni-directional video integrated and disseminated in a variety of environments. This technology provides Imagery Intelligence (IMINT) to DoD, DA, and USACE planning, training, and operations.

Q. Tactical Unmanned Aircraft System (TUAS) (AGC-49)

The object is to conduct research studies into the application developing an automated, TUAS-based, high-resolution data collection and mapping capability that is portable between platforms. The AGC TUAS integrates existing hardware and software combined with developed technology that is bundled and distributed through a variety of methods. This technology provides imagery intelligence (IMINT) to DoD, DA, and USACE planning, training, and operations.

R. Geospatial Software & Application Development (AGC-50)

The object is to conduct RDT&E towards meeting geospatial software & application requirements of DoD and DA. This allows for improved methods of integrating new information with existing data systems in support of DoD, DA, and USACE planning, training, and operations.

(Contact Mike Hardaway, 703-428-7814; Email: Mike.Hardaway@us.army.mil)

PART III

PRE-PROPOSAL AND PROPOSAL PREPARATION

SECTION 1 - INTRODUCTION

This part is intended to provide information needed in preparing proposals for submission to the AGC.

In preparing pre-proposals and proposals it is important that the offeror keep in mind the characteristics of a suitable proposal acceptable for formal evaluation, including as prescribed in FAR 35.016(a), the focus on scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding, rather than focusing on a specific system or hardware solution. It should include all the information specified in this announcement in order to avoid delays in evaluation. Upon receipt of a pre-proposal (in the format outlined in Section 4 of this section), the AGC staff will perform an initial review of its scientific merit, its potential contribution to the Army/AGC mission, and the current availability of funding. Within 60 days of receipt, the AGC will respond either encouraging submission of a complete proposal (in the format outlined in Section 5 of this section) or advising the offeror not to submit. Contract award may be made electronically. Offerors are requested to provide their e-mail address upon submission of a proposal and also the name, address, and phone number of their cognizant Defense Contract Audit Agency (DCAA) office, if known.

All proposals should include the information specified in this BAA Announcement in order to avoid delays in evaluation. Be sure to specify, the Commercial and Government Entity (CAGE Code), the DUNS Number (Duns and Bradstreet Data Universal Numbering System), and the Tax Identification Number (TIN) with your submission. Completion of the Representations and Certifications as well as registration in the DoD's Central Contractor Registration (CCR) Database will be a prerequisite before receiving an award. Registration can be made at www.ccr.gov.

Offerors interested in submitting proposals are encouraged to make preliminary inquiries as to the general need for the type of research effort contemplated before expending extensive effort in preparing a detailed proposal or submitting proprietary information. Points of contact are listed with the specific areas for each directorate. Proposals often represent a substantial investment of time and effort by the offeror and they should present the proposed research effort in sufficient detail to allow the AGC to evaluate the scientific merit and relevance of the proposed research and to determine funding availability.

Pre-proposals and proposals must reference the code number for the specific area (e.g., AGC - 15).

If the Contractor anticipates the efforts of foreign nationals on any proposal submitted hereunder, he must provide their name, nationality, and extent of involvement in the proposed research. Foreign nationals cannot work under a contract or any instrument unless all AGC-required security clearances and approvals have been obtained. Security requirements are further addressed in Attachment A, Clauses for Fixed Price Contracts, FAR/DFARS Contract Clauses and Attachment B, Clauses for Cost-Reimbursable Contracts, FAR/DFARS Contract Clauses. There is no exception to these requirements.

Note that there is a requirement for contractor reporting if the contract is funded with military funds. The below info is provided for your assistance in complying. At the website listed, there are FAQs you may also find helpful.

“The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor is required to completely fill in all the information in the format using the following web address: <https://contractormanpower.army.pentagon.mil>. The required information includes: (1) Contracting Office, Contracting Officer, Contracting Officer’s Technical Representative; (2) Contract number, including task and delivery order number; (3) Beginning and ending dates covered by reporting period; (4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering data; (5) Estimated direct labor hours (including sub-contractors); (6) Estimated direct labor dollars paid this reporting period (including sub-contractors); (7) Total payments (including sub-contractors); (8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different); (9) Estimated data collection cost; (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information); (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website); (12) Presence of deployment or contingency contract language; and (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country). As part of its submission, the contractor will also provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period will be the period of performance not to exceed 12 months ending 30 September of each government fiscal year and must be reported by 31 October of each calendar year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor’s systems to the secure web site without the need for separate data entries for each required data element at the web site. The specific formats for the XML direct transfer may be downloaded from the web site.”

SECTION 2 - GENERAL INFORMATION

A. The proposal is the only vehicle available to the Offeror for receiving consideration for award. The proposal must stand on its own merit; only information provided in the proposal can be used in the evaluation process leading to an award. The proposal should be prepared simply and economically, providing straightforward, concise delineation of capabilities necessary to perform the proposed work. The technical proposal must be accompanied by a fully supported cost proposal as cost and technical considerations are reviewed simultaneously.

B. Proposals containing data that is not to be disclosed to the public for any purpose or used by the Government except for evaluation purposes shall include the following statement on their cover page.

“The proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed - in whole or in part - for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this Offeror as a result of - or in connection with - the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in these data if they are obtained from another source without restriction. The data subject to this restriction are contained in sheets _____.”

The Offeror shall also mark each sheet of data it wished to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

C. To ensure all technical proposals receive proper consideration, the Government-recommended proposal format shown below should be followed as closely as possible. This format can most easily be incorporated as the proposal table of contents and serves as a final checklist as well. White papers and proposals must reference the topic number for the specific research area (e.g. AGC -15).

D. Proposal Contents/Checklist.

VOLUME I - Technical Proposal

- i Cover Page
- ii Table of Contents
- iii List of Illustrations/Tables
- iv Executive Summary
- 1.0 Technical Approach
 - 1.1 Technical Discussion
 - 1.2 Technical Program Summary
 - 1.3 Risk Analysis and Alternatives
 - 1.4 References
- 2.0 Special Technical Factors
 - 2.1 Capabilities and Relevant Experience
 - 2.2 Previous or Current Relevant Independent Research and Development (IR&D) Work
 - 2.3 Related Government Contracts
 - 2.4 Facilities/Resources
- 3.0 Schedule
 - 3.1 Time Line Chart by Task
- 4.0 Program Organization
 - 4.1 Organization Chart(s) with Key personnel
 - 4.2 Management and Technical Team
 - 4.2.1 Prime Contractor Responsibilities

- 4.2.2 Subcontractor(s) Responsibilities
- 4.2.3 Consultant(s) Responsibilities
- 4.3 Resumes of Key Personnel
- 5.0 Appendix (es)

VOLUME II – Cost Proposal

1. Proposal Cover Sheet for total proposal.
2. Summary by cost element and profit or fee for total proposal.
3. Cost Summary Breakout and Supporting Detail

VOLUME III – ADDITIONAL REPRESENTATIONS AND CERTIFICATIONS

See Attachment C. ATTACHMENT C MUST BE COMPLETED BY EACH OFFEROR AND SUBMITTED WITH EACH FULL PROPOSAL

NOTE: PLEASE USE THE ABOVE DECIMAL NUMBERING SYSTEM FOR PROPOSAL PREPARATION.

E. AWARDS:

With the submittal of all required information as described herein and the favorable evaluation of your proposal, the Government may unilaterally make award; therefore, it is in the Contractor's best interest to review all requirements listed within. Note that contract clauses are self-deleting; therefore, there is neither a requirement nor need for a modification to the award if any clause is found not applicable. Performance after the receipt of an award signed by the Contracting Officer indicates your full acceptance of all terms and conditions within the award.

Awards will be made on SF-33, SF-26, DD-1155, or other document as appropriate. Offerors shall provide a completed Attachment C with their technical and cost proposals. Awards will consist of all applicable clauses and contracts shall be in accordance with the Uniform Contract Format (UCF), which follows:

SECTION A- SOLICITATION/CONTRACT FORM SF 33 or SF 26

SECTION B- SUPPLIES OR SERVICES AND PRICES/COST

ITEM 1- Perform all work necessary for research and development efforts in accordance with Contractor's proposal dated _____, entitled _____, submitted under BAA Topic No. _____.

SECTION C- DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

SECTION D (Packaging and Marking)

SECTION E (Inspection and Acceptance)

SECTION F (Deliveries or Performance)

SECTION G (Contract Administration Data)

SECTION H (Special Contract Requirements)

SECTION I (Contract Clauses). Note: If award is made unilaterally, offeror agrees to clauses mentioned within this BAA for their particular contract type.

SECTION J (Exhibits and Attachments)

F. REPORT REQUIREMENTS:

The number and types of reports will be specified in Section J of the contractual document. The reports will be prepared and submitted in accordance with DD Form 1423, Contract Data Requirements List.

G. PROPOSAL SUBMISSION:

Proposals should be submitted with a completed Attachment C, as stated in paragraph E above, and also a signed and dated SF-33 available at [http://contacts.gsa.gov/webforms.nsf/0/884DE4C90A9F054C85256A1F005ABDB1/\\$file/SF%2033.pdf](http://contacts.gsa.gov/webforms.nsf/0/884DE4C90A9F054C85256A1F005ABDB1/$file/SF%2033.pdf)

Contract award may be made electronically. Offerors are requested to provide their e-mail address upon submission of proposal and also the name, address, and phone number of their cognizant Defense Contract Audit Agency (DCAA) office, if known.

SECTION 3 - TYPE OF CONTRACT

Selection of the type of contract is based upon various factors, such as the type of research to be performed, the contractor's experience in maintaining cost records, and the ability to detail and allocate proposed costs and performance of the work.

A document commonly used because of its suitability in supporting research is a cost-reimbursable type contract. It permits some flexibility in the redirection of efforts due to recent research experiment results or changes in Army guidance.

Fixed-price contracts are used when the research projects costs can be estimated accurately, the services to be rendered are reasonably definite, and the amount of property, if any, is fixed. The negotiated price is not subject to any adjustment on the basis of the Contractor's cost experience in performing the contract.

Contracts awarded by the AGC will contain, where appropriate, detailed special provisions concerning patent rights, rights in technical data and computer software, reporting requirements, equal employment opportunity, etc.

The contract type is negotiable and offerors may propose either cost reimbursable or firm fixed price arrangements. For proposal pricing purposes, Offeror should assume a contract start date of 90 days after submission of the proposal.

SECTION 4 – EVALUATION CRITERIA

A. Proposals submitted in response to this BAA which result in the award of a contract instrument will be evaluated as received using the following factors/criteria:

1. The overall scientific and/or technical merits of the proposal, including how the proposal meets the FAR requirements for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding, rather than focusing on a specific system or hardware solution.

2. The potential contributions of the effort to the US Army Geospatial Center mission.

3. The offeror's capabilities, related experience, facilities, techniques, or unique combinations of these; which are integral factors for achieving the proposal's objectives.

4. The qualifications, capabilities, and experiences of the proposed principal investigator, team leader, and other key personnel who are critical to achievement of the proposal's objectives.

5. The reasonableness and realism of proposed costs and fee, if any, and the availability of funds.

6. The Offeror's record of Past Performance.

B. Upon receipt of a proposal, the AGC evaluators will perform an initial review of its scientific merit and potential contribution to the Army mission and also determine if funds are expected to be available for the effort. Proposals not considered having sufficient scientific merit or relevance to the Army's needs or those in areas for which funds are not expected to be available may be declined without further review.

C. It is the policy of AGC to treat all proposals as privileged information before award and to disclose the contents only for the purposes of evaluation. Proposals not declined as a result of initial review will be subject to an extensive peer review by highly qualified scientists from within the Government. The Offeror must indicate on the appropriate proposal form any limitation to be placed on Disclosure of Information contained on the proposal.

D. Each proposal will be evaluated based on the merit and relevance of the specific R&D proposed as it relates to the overall AGC research and development program, rather than against other proposals in the same general area.

SECTION 5 - CONTENTS OF PRE-PROPOSALS

A. Pre-proposals should not exceed a maximum of 5 pages and state the Topic Number under which they are being submitted. Three copies are requested (unless pre-proposal is emailed). Upon receipt, the AGC staff will perform an initial review of its scientific merit, its potential contribution to the Army/AGC mission, and the current availability of funding. As prescribed in FAR 35.016(a), proposed efforts shall focus on supporting AGC's requirements for scientific study and experimentation directed toward advancing the state-of-the-art or increasing knowledge or understanding, rather than focusing on a specific system or hardware solution. Offerors of pre-proposals receiving favorable initial review will be encouraged to submit a more detailed full

proposal (in the format outlined in Section 6, Contents of Full Proposals below), which will be evaluated in accordance with the criteria detailed in Section 4, Evaluation Criteria above. The pre-proposal should contain the following information.

1. A title descriptive of the research to be performed.
2. The name and address of the individual, company or educational institution submitting the pre-proposal (to include the email address).
3. The name and phone number of the principal investigator or senior researcher who would be in charge of the project.
4. The duration of the project.
5. The detailed estimated cost (i.e., labor costs, material costs, burdens, etc.).
6. One or more paragraphs describing the objective(s) or goals of the proposed research to include statement of the working hypothesis to be proved or disproved, if appropriate.
7. One or more paragraphs describing the technical approach to be taken in the course of the research. If experimental, it should include a description of the scope of the testing program. If analytical, it should include key assumptions to be made, the scientific basis for the analysis, and the numerical procedures to be used.
8. One or more paragraphs describing the potential military and/or civil payoffs that might ultimately derive from the proposed research to the Corps of Engineers.
9. A one-page curriculum vitae of the principal investigator.

SECTION 6 - CONTENTS OF FULL PROPOSALS

Proposals should be furnished in three copies, state the Topic Number under which they are being submitted, and contain the following: (in addition to the Representations and Certifications at Attachment C):

VOLUME 1: TECHNICAL PROPOSAL

The technical portion of the proposal should contain the following and any other information the offeror considers necessary to address the evaluation criteria in Part III, Section 4.

- i. Cover Page: The cover page should include the BAA Number, R&D topic and reference number, name and telephone number for the principal points of contact (both technical and contractual), and any other information that identifies the proposal. The cover page should also contain the proprietary data disclosure statement, if applicable.
- ii. Table of Contents: It is highly recommended that the Offeror follow the above table of contents and use it for a final quality-control checklist.

iii. List of Illustrations/Tables: This list is a quick reference of charts, graphs, and other important information. A separate list of Tables is recommended.

iv. Executive Summary: The executive summary allows the Offeror to present briefly and concisely the important aspects of its proposal to key management personnel. The summary should present an organized progression of the work to be accomplished, without the technical details, such that the reader can grasp the core issues of the proposed program. The Executive Summary should rarely exceed two pages.

1.0 Technical Approach: In this section, the Offeror should provide as much technical detail and analysis as is necessary or useful to support the technical approach it is proposing. One must clearly identify the core of the intended approach. It is not effective to address a variety of possible solutions to the technology problems.

1.1 Technical Discussion: A complete discussion stating the background and objectives of the proposed work, the approaches to be considered, the proposed level of effort, and the anticipated results/products, to include the proposed reports and deliverables to be furnished. No technical approach is without its limitations or shortcomings. Every issue should be identified and compared with the successes/failures of previous approaches. A tradeoff analysis is a good way to make this comparison and should be supported by theory, simulation, modeling, experimental data, or other sound engineering and scientific practices. If the Offeror has a "new and creative" solution to the problem(s), that solution should be developed and analyzed in this section. The preferred technical approach should be described in as much detail as is necessary or useful to establish confidence in the approach.

1.2 Technical Program Summary: This section summarizes the above technical discussion in an orderly progression through the program, emphasizing the strong points of the proposed technical approach.

1.3 Risk Analysis and Alternatives: Every technology has its limitations and shortcomings. The proposal evaluator(s) will formulate a risk assessment and it is in the best interest of the Offeror to have its own understanding of the risk factors presented. Critical technologies should be identified along with their impact on the overall program as well as fallback positions that could still improve on existing approaches.

1.4 References: Any good technology discussion must present the basis for and reference the findings cited in the literature. Include the names, brief biographical information, experience, and a list of recent publications of the offeror's key personnel who will be involved in the research.

2.0 Special Technical Factors: In this section, the Offeror should describe any capabilities it has that are uniquely supportive of the technology to be pursued. The following subparagraphs are offered as possible areas to be addressed.

2.1 Capabilities and Relevant Experience

2.2 Previous or Current Relevant R&D Work. Include the names of other agencies to which the proposal has also been submitted.

2.3 Related Government Contracts. Past performance information to include the name, address, point of contact, phone number, email address, contract identification number, contract award date and amount for a minimum of three (3) customers for whom the offeror has performed similar services in the last three years.

2.4 Facilities/Resources

3.0 Schedule: The schedule represents the Offeror's commitment to perform the program tasks in an orderly, timely manner.

3.1 Time Line Chart by Task: Each major task identified in the SOW must appear as a separate line on the program schedule. Planned meetings, such as kick-off, presentations (including final), Technical Interchange Meetings, etc., must be included in the Time Line. The Time Line must also indicate the anticipated meeting site.

4.0 Program Organization: A brief description of offeror's organization, to include name, address, phone numbers, and email address. In this paragraph, the Offeror should present its organization's ability to conduct difficult technical programs. Any pertinent or useful information may be included in this paragraph, but a minimum recommended response should address the following subparagraphs:

4.1 Organizational Chart(s) with Key Personnel: Include prime contractor and subcontractor organization charts.

4.2 Management and Technical Team: This should specifically identify what tasks will be performed by which party and why each subcontractor, if any, was selected to perform its task(s).

4.2.1 Prime Contractor Responsibilities

4.2.2 Subcontractor(s) Responsibilities

4.2.3 Consultant(s) Responsibilities

4.3 Resumes of Key Personnel: Include the resumes of the prime contractor, subcontractor, and consultant personnel to include the names, brief biography, and list of recent publications of the Offeror's key personnel. Documentation of previous work or experience in the field of the proposer is especially important.

5.0 Appendix(es): Appendices may include technical reports, published papers, and referenced material. A listing of these reports/papers with short descriptions of the subject matter is usually adequate. Do not provide commercial product advertising brochures; these are unwanted.

VOLUME II: Cost Proposal.

a. The cost portion of the proposal should contain a cost estimate or a firm fixed price for the proposed effort sufficiently detailed by element of cost for meaningful evaluation. The estimate should be detailed for each task of the proposed work.

b. The cost proposal should be limited to the minimum number of pages necessary to satisfy the specific requirements set forth herein. Submission of volumes of computer-generated data to support the cost proposal is not necessary or desired. If computer-generated data is essential to support the cost proposal, it may be submitted as an addendum and must be clearly cross-referenced to the material it supports in the cost proposal.

c. Cost proposals should represent Offeror's best response to the solicitation. Any inconsistency, whether real or apparent, between promised performance and cost or price data must be fully explained in the proposal. Failure to explain any significant inconsistencies may demonstrate Offeror's lack of understanding of the nature and scope of the work required. Accordingly, cost proposals must be sufficient to establish the reasonableness, realism and completeness of the proposed cost/price. Further, any modifications made to the initial proposal must likewise be thoroughly supported in writing regardless of whether such changes are made during negotiations or at the time of a proposal revision.

1. Proposal Cover Sheet for total proposal.
2. Summary by cost element and profit or fee for total proposal.
3. Labor summary for total proposal by categories, rates and hours. For firm fixed price proposals submit fully loaded labor rates
4. Explanation of how labor rates are computed including base rates (actuals) and escalation, if any.
5. Interdivisional Transfers (detailed breakout of costs), if applicable
6. Identification of indirect rates by fiscal year and explanation of how established and base to which they apply.
7. Bill of Materials detailing items by type, quantity, unit price, total amount and source of estimate. Provide vendor written quotes.
8. Summary of all travel by destination, purpose, number of people and days, air fare, per diem, car rental, etc.
9. Consultants by name, rate and number of days or hours. Furnish copy of consulting agreement, and identify prior agreement(s) under which the consultant commanded proposed rate.
10. Computer use by type, rate and quantity.
11. Other direct costs by type, amount, cost per unit and purpose (specifically identify any costs for printing or publication).
12. DD Form 1861 (if proposing facilities capital cost of money).
13. Subcontractor's proposal, with prime Offeror's price/cost analysis of subcontractor's proposal. If subcontract was not competed, include justification.
14. Forecast of monthly and cumulative dollar commitments for the proposed contract period.
15. Proposed fee, if any.

d. Subcontractors' proposals must be similarly structured. All subcontracted work must be properly identified as such. If a subcontractor elects to submit an abbreviated proposal to Offeror, it is Offeror's responsibility to see that the subcontractor simultaneously submits a complete detailed proposal properly identified directly to the Contracting Officer. Offeror must ensure that subcontractor adheres to the guidance set forth herein. FAR 15.404-3 requires that Offeror provide an analysis of subcontractors' cost proposals. To that end, Offeror's proposal must:

1. Identify principal items/services to be subcontracted.
2. Identify prospective subcontractors and the basis on which they were selected. If non-competitive, provide selected source justification.
3. Identify the type of contractual arrangement contemplated for the subcontract and provide a rationale for same.

4. Identify the basis for the subcontract costs as included in Offeror's proposal (e.g., firm quote or engineering estimate, etc.).
5. Identify the cost or pricing data or information other than cost or pricing data submitted by the subcontractor.
6. Provide a price analysis of the proposed subcontract in accordance with FAR 15.404-1(b). Provide an analysis concerning the reasonableness, realism and completeness of each subcontractor's proposal. If the analysis is based on a comparison with prior prices, identify the basis on which the prior prices were determined to be reasonable. If price analysis techniques are inadequate or FAR requires submittal of subcontractor cost or pricing data, provide a cost analysis in accordance with FAR 15.404-3(b). Cost analysis should include, but not be limited to, an analysis of materials, labor, travel, other direct costs and proposed profit rates.

e. Cost Element Summary Format. Cost elements which do not pertain to the Offeror's proposal may be omitted. Do not lump elements together. Cost elements peculiar to a particular Offeror which are not listed may be added. Elements may be rearranged to fit an Offeror's pricing structure.

COST ELEMENT SUMMARY

| COST ELEMENTS | TOTAL DOLLARS |
|--|---------------|
| Total Direct Labor | |
| Fringe Benefits | |
| Labor Overhead | |
| In-Plant | |
| On-Site | |
| Direct Material | |
| Purchased Parts | |
| Subcontracts | |
| Other – Standard Commercial Items | |
| Computer Hardware, Software & Services | |
| Interdivisional Transfers | |
| Material Overhead | |
| Travel | |
| Consultants | |
| Other Direct Costs | |
| Supplies | |
| Publications | |
| Reproduction | |
| Shipping & Postage | |
| General & Administrative (G&A) Expense | |
| Facilities Capital Cost of Money | |

| | |
|--------------------------------|--|
| Fee or Profit | |
| Total Proposed Contract Amount | |

VOLUME III – Signed and dated SF-33 and Additional Representations and Certifications – See Attachment C

ATTACHMENT A

FIXED PRICE CONTRACTS FAR/DFARS CONTRACT CLAUSES

ALL APPLICABLE AND REQUIRED CLAUSES WILL BE INCORPORATED WITHIN THE AWARD DOCUMENTS.

The full text of a clause and its complete prescription may be accessed electronically at the FAR site (clauses beginning with "52.") at:

<https://www.acquisition.gov/far/> or at <http://farsite.hill.af.mil/vffara.htm>

The DFARS site (clauses beginning with "252.") at:

<http://www.acq.osd.mil/dpap/dars/index.html>

52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998). This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer.

52.252-2 Clauses Incorporated by Reference (Feb 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text.

Security Contract Language for all Corps of Engineers' Unclassified Contracts (PIL 2003-06, 19 Feb 03): All Contractor employees (U.S. citizens and Non- U.S. citizens) working under this contract (to include grants, cooperative agreements and task orders) who require access to Automated Information Systems (AIS), (stand alone computers, network computers/systems, e-mail) shall, at a minimum, be designated into an ADP-III position (non-sensitive) in accordance with DoD 5220-22-R, Industrial Security Regulation. The investigative requirements for an ADP-III position are a favorable National Agency Check (NAC), SF-85P, Public Trust Position. The contractor shall have each applicable employee complete a SF-85P and submit to the U. S. Army Geospatial Center, Security Office, Attn: James Auclair, 7701 Telegraph Road, Alexandria, VA 22315 (703-428-6612) within three (3) working days after award of any contract or task order, and shall be submitted prior to the individual being permitted access to an AIS. Contractors that have a commercial or government entity (CAGE) Code and Facility Security Clearance through the Defense Security Service shall process the NACs and forward visit requests/results of NAC to the U. S. U. S. Army Geospatial Center, Security Office, Attn: James Auclair, 7701 Telegraph Road, Alexandria, VA 22315 (703-428-6612). For those contractors that do not have a CAGE Code or Facility Security Clearance, the U. S. Army Geospatial Center, Security Office, Alexandria, VA 22315, will process the investigation in coordination with the Contractor and contract employees.

In accordance with Engineering Regulation, ER 380-1-18, Section 4, foreign nationals who work on Corps of Engineers' contracts or task orders (or any instrument) shall be approved by the HQUSACE Foreign Disclosure Officer or higher before beginning work on the contract/task order. This regulation includes subcontractor employees. (NOTE: exceptions to the above requirement include

foreign nationals who perform janitorial and/or ground maintenance services.) The contractor shall submit to the Division/District Contract Office, the names of all foreign nationals proposed for performance under this contract/task order, along with documentation to verify that he/she was legally admitted into the United States and has authority to work and/or go to school in the US. Such documentation may include a US passport, Certificate of US citizenship (INS Form N-560 or N-561), Certificate of Naturalization (INS Form N-550 or N-570), foreign passport with I-551 stamp or attached INS Form I-94 indicating employment authorization, Alien Registration Receipt Card with photograph (INS Form I-151 or I-551), Temporary Resident Card (INS Form I-688), Employment Authorization Card (INS Form I-688A), Reentry Permit (INS Form I-327), Refugee Travel Document (INS Form I-571), Employment Authorization Document issued by the INS which contains a photograph (INS Form I-688B).

Classified contracts require the issuance of a DD Form 254 (Department of Defense Contract Security Classification Specification).

(End of Clause)

CLAUSES INCORPORATED BY REFERENCE

| | | |
|-----------|--|----------|
| 52.202-1 | Definitions | JUL 2004 |
| 52.203-3 | Gratuities | APR 1984 |
| 52.203-5 | Covenant Against Contingent Fees | APR 1984 |
| 52.203-6 | Restrictions On Subcontractor Sales To The Government | SEP 2006 |
| 52.203-7 | Anti-Kickback Procedures | JUL 1995 |
| 52.203-8 | Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity | JAN 1997 |
| 52.203-10 | Price Or Fee Adjustment For Illegal Or Improper Activity | JAN 1997 |
| 52.203-12 | Limitation On Payments To Influence Certain Federal Transactions | SEP 2007 |
| 52.204-4 | Printed or Copied Double-Sided on Recycled Paper | AUG 2000 |
| 52.204-8 | Annual Representations and Certifications | NOV 2011 |
| 52.209-5 | Certification Regarding Responsibility Matters | APR 2010 |
| 52.209-6 | Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment | SEP 2006 |
| 52.215-1 | Instructions to Offerors – Competitive Acquisition- ALT II | JAN 2004 |
| 52.215-2 | Audit and Records--Negotiation | MAR 2009 |
| 52.215-8 | Order of Precedence--Uniform Contract Format | OCT 1997 |
| 52.215-10 | Price Reduction for Defective Cost or Pricing Data | AUG 2011 |
| 52.215-11 | Price Reduction for Defective Cost or Pricing Data – Modifications | AUG 2011 |
| 52.215-14 | Integrity of Unit Prices | OCT 2010 |
| 52.215-16 | Facilities Capital Cost of Money | JUN 2003 |

| | | |
|-----------------|---|----------|
| 52.215-17 | Waiver of Facilities Capital Cost of Money | OCT 1997 |
| 52.215-21 | Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data— Modifications | OCT 1997 |
| 52.219-1 | Small Business Program Representations | APR 2011 |
| 52.219-8 | Utilization of Small Business Concerns | JAN 2011 |
| 52.219-9 Alt II | Small Business Subcontracting Plan Alternate II | JAN 2011 |
| 52.219-28 | Post-Award Small Business Program Representation | APR 2009 |
| 52.222-3 | Convict Labor | JUN 2003 |
| 52.222-21 | Prohibition Of Segregated Facilities | FEB 1999 |
| 52.222-22 | Previous Contracts and Compliance Reports | FEB 1999 |
| 52.222-26 | Equal Opportunity | MAR 2007 |
| 52.222-35 | Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-36 | Affirmative Action For Workers With Disabilities | JUN 1998 |
| 52.222-37 | Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-38 | Compliance with Veterans' Employment Reporting Requirements | SEP 2010 |
| 52.222-40 | Notification of Employee Rights Under the National Labor Relations Act | DEC 2010 |
| 52.222-50 | Combating Trafficking in Persons | FEB 2009 |
| 52.222-54 | Employment Eligibility Verification | JAN 2009 |
| 52.223-5 | Pollution Prevention and Right-to-Know Information | MAY 2011 |
| 52.223-6 | Drug-Free Workplace | MAY 2001 |
| 52.223-16 Alt I | IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (Dec 200&0 Alternate I | DEC 2007 |
| 52.223-17 | Affirmative Procurement of EPA-Designated Items in Service and Construction Contracts | MAY 2008 |
| 52.223-18 | Encouraging Contractor Policies to Ban Text Messaging While Driving | AUG 2011 |
| 52.225-13 | Restrictions on Certain Foreign Purchases | JUN 2008 |
| 52.225-25 | Prohibition on Contracting with Entities Engaging in Sanctioned Activities Relating to Iran- Representation and Certification | NOV 2011 |
| 52.227-1 Alt I | Authorization And Consent (Dec 2007) - Alternate I | APR 1984 |
| 52.227-2 | Notice And Assistance Regarding Patent And Copyright Infringement | DEC 2007 |
| 52.229-3 | Federal, State And Local Taxes | APR 2003 |

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| 52.232-2 | Payments Under Fixed-Price Research And Development Contracts | APR 1984 |
| 52.232-8 | Discounts For Prompt Payment | FEB 2002 |
| 52.232-9 | Limitation On Withholding Of Payments | APR 1984 |
| 52.232-17 | Interest | OCT 2008 |
| 52.232-23 | Assignment Of Claims | JAN 1986 |
| 52.232-25 | Prompt Payment | OCT 2008 |
| 52.232-33 | Payment by Electronic Funds Transfer--Central Contractor Registration | OCT 2003 |
| 52.233-1 | Disputes | JUL 2002 |
| 52.233-3 | Protest After Award | AUG 1996 |
| 52.239-1 | Privacy or Security Safeguards | AUG 1996 |
| 52.242-13 | Bankruptcy | JUL 1995 |
| 52.242-15 | Stop Work Order | AUG 1989 |
| 52.243-1 Alt V | Changes--Fixed-Price - Alt V | AUG 1987 |
| 52.245-1 Alt II | Government Property Alt II | JUN 2007 |
| 52.245-9 | Use and Charges | AUG 2010 |
| 52.246-7 | Inspection of Research and Development—Fixed Price | AUG 1996 |
| 52.246-25 | Limitation Of Liability--Services | FEB 1997 |
| 52.249-2 | Termination For Convenience Of The Government (Fixed-Price) | MAY 2004 |
| 52.249-5 | Termination for the Convenience of the Government (Educational and Other Nonprofit Institutions) | SEP 1996 |
| 52.249-9 | Default (Fixed-Priced Research And Development) | APR 1984 |
| 52.249-14 | Excusable Delays | APR 1984 |
| 52.251-1 | Government Supply Sources | APR 1984 |
| 52.252-6 | Authorized Deviations In Clauses | APR 1984 |
| 52.253-1 | Computer Generated Forms | JAN 1991 |
| 252.201-7000 | Contracting Officer's Representative | DEC 1991 |
| 252.203-7000 | Requirements Relating to Compensation of Former DoD Officials | JAN 2009 |
| 252.203-7001 | Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies | DEC 2008 |
| 252.203-7002 | Requirement to Inform Employees of Whistleblower Rights | JAN 2009 |
| 252.204-0007 | Contract-wide: Sequential ACRN Order | SEP 2009 |
| 252.204-7000 | Disclosure Of Information | DEC 1991 |
| 252.204-7003 | Control Of Government Personnel Work Product | APR 1992 |
| 252.204-7004 | Central Contractor Registration (52.204-7) | SEP 2007 |
| Alt A | Alternate A | |
| 252.204-7005 | Oral Attestation of Security Responsibilities | NOV 2001 |

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| 252.205-7000 | Provision of Information To Cooperative Agreement Holders | DEC 1991 |
| 252.209-7004 | Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country | DEC 2006 |
| 252.209-7005 | Reserve Officer Training Corps and Military Recruiting on Campus | JAN 2000 |
| 252.222-7006 | Restrictions on the Use of Mandatory Arbitration Agreements | DEC 2010 |
| 252.223-7004 | Drug-Free Work Force | SEP 1988 |
| 252.225-7012 | Preference For Certain Domestic Commodities | DEC 2008 |
| 252.226-7001 | Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns | SEP 2004 |
| 252.227-7013 | Rights in Technical Data—Noncommercial Items | SEP 2011 |
| 252.227-7014 | Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation | MAR 2011 |
| 252.227-7016 | Rights in Bid or Proposal Information | JAN 2011 |
| 252.227-7017 | Identification and Assertion of Use, Release, or Disclosure Restrictions | |
| 252.227-7019 | Validation of Asserted Restrictions—Computer Software | SEP 2011 |
| 252.227-7020 | Rights in Special Works | JUN 1995 |
| 252.227-7021 | Rights In Data--Existing Works | MAR 1979 |
| 252.227-7025 | Limitations on the Use or Disclosure of Government Furnished Information Marked with Restrictive Legends | MAR 2011 |
| 252.227-7027 | Deferred Ordering Of Technical Data Or Computer Software | APR 1988 |
| 252.227-7028 | Technical Data or Computer Software Previously Delivered to the Government | JUN 1995 |
| 252.227-7030 | Technical Data—Withholding of Payment | MAR 2000 |
| 252.227-7032 | Rights in Technical Data and Computer Software (Foreign) | JUN 1975 |
| 252.227-7037 | Validation of Restrictive Markings on Technical Data | SEP 2011 |
| 252.227-7038 | Patent Rights--Ownership by the Contractor (Large Business) | DEC 2007 |
| 252.232-7003 | Electronic Submission of Payment Requests and Receiving Reports | MAR 2008 |
| 252.232-7007 | Limitation of Government's Obligation | MAY 2006 |
| 252.235-7010 | Acknowledgment of Support and Disclaimer | MAY 1995 |
| 252.243-7001 | Pricing Of Contract Modifications | DEC 1991 |
| 252.243-7002 | Requests for Equitable Adjustment | MAR 1998 |

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| 252.244-7000 | Subcontracts for Commercial Items and Commercial Components (DoD Contracts) | AUG 2009 |
| 252.247-7023 | Transportation of Supplies by Sea | MAY 2002 |
| 252.247-7024 | Notification Of Transportation Of Supplies By Sea | MAR 2000 |
| 252.251-7000 | Ordering From Government Supply Sources | NOV 2004 |

CLAUSES INCORPORATED BY FULL TEXT

52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)

United States law will apply to resolve any claim of breach of this contract.

(End of clause)

252.204-7006 BILLING INSTRUCTIONS (OCT 2005)

When submitting a request for payment, the Contractor shall--

(a) Identify the contract line item(s) on the payment request that reasonably reflect contract work performance; and

(b) Separately identify a payment amount for each contract line item included in the payment request.

(End of clause)

252.232-7010 LEVIES ON CONTRACT PAYMENTS (DEC 2006)

(a) 26 U.S.C. 6331(h) authorizes the Internal Revenue Service (IRS) to continuously levy up to 100 percent of contract payments, up to the amount of tax debt.

(b) When a levy is imposed on a payment under this contract and the Contractor believes that the levy may result in an inability to perform the contract, the Contractor shall promptly notify the Procuring Contracting Officer in writing, with a copy to the Administrative Contracting Officer, and shall provide--

(1) The total dollar amount of the levy;

(2) A statement that the Contractor believes that the levy may result in an inability to perform the contract, including rationale and adequate supporting documentation; and

(3) Advice as to whether the inability to perform may adversely affect national security, including rationale and adequate supporting documentation.

(c) DoD shall promptly review the Contractor's assessment, and the Procuring Contracting Officer shall provide a written notification to the Contractor including--

(1) A statement as to whether DoD agrees that the levy may result in an inability to perform the contract; and

(2)(i) If the levy may result in an inability to perform the contract and the lack of performance will adversely affect national security, the total amount of the monies collected that should be returned to the Contractor; or

(ii) If the levy may result in an inability to perform the contract but will not impact national security, a recommendation that the Contractor promptly notify the IRS to attempt to resolve the tax situation.

(d) Any DoD determination under this clause is not subject to appeal under the Contract Disputes Act.

(End of clause)

252.235-7011 FINAL SCIENTIFIC OR TECHNICAL REPORT. (NOV 2004)

The Contractor shall--

(a) Submit two copies of the approved scientific or technical report delivered under this contract to the Defense Technical Information Center, Attn: DTIC-O, 8725 John J. Kingman Road, Fort Belvoir, VA 22060-6218;

(b) Include a completed Standard Form 298, Report Documentation Page, with each copy of the report; and

(c) For submission of reports in other than paper copy, contact the Defense Technical Information Center or follow the instructions at <http://www.dtic.mil>.

(End of clause)

ATTACHMENT B

COST-REIMBURSABLE CONTRACTS FAR/DFARS CONTRACT CLAUSES

ALL APPLICABLE CLAUSES WILL BE INCORPORATED WITHIN THE AWARD DOCUMENTS.

The full text of a clause and its complete prescription may be accessed electronically at the FAR site (clauses beginning with "52.") at:

<https://www.acquisition.gov/far/> or at <http://farsite.hill.af.mil/vffara.htm>

The DFARS site (clauses beginning with "252.") at:

<http://www.acq.osd.mil/dpap/dars/index.html>

52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998). This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer.

52.252-2 Clauses Incorporated by Reference (Feb 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text.

Security Contract Language for all Corps of Engineers' Unclassified Contracts (PIL 2003-06, 19 Feb 03): All Contractor employees (U.S. citizens and Non- U.S. citizens) working under this contract (to include grants, cooperative agreements and task orders) who require access to Automated Information Systems (AIS), (stand alone computers, network computers/systems, e-mail) shall, at a minimum, be designated into an ADP-III position (non-sensitive) in accordance with DoD 5220-22-R, Industrial Security Regulation. The investigative requirements for an ADP-III position are a favorable National Agency Check (NAC), SF-85P, Public Trust Position. The contractor shall have each applicable employee complete a SF-85P and submit to the U. S. Army Geospatial Center, Security Office, Attn: James Auclair, 7701 Telegraph Road, Alexandria, VA 22315 (703-428-6612) within three (3) working days after award of any contract or task order, and shall be submitted prior to the individual being permitted access to an AIS. Contractors that have a commercial or government entity (CAGE) Code and Facility Security Clearance through the Defense Security Service shall process the NACs and forward visit requests/results of NAC to the U. S. U. S. Army Geospatial Center, Security Office, Attn: James Auclair, 7701 Telegraph Road, Alexandria, VA 22315 (703-428-6612). For those contractors that do not have a CAGE Code or Facility Security Clearance, the U. S. Army Geospatial Center, Security Office, Alexandria, VA 22315, will process the investigation in coordination with the Contractor and contract employees.

In accordance with Engineering Regulation, ER 380-1-18, Section 4, foreign nationals who work on Corps of Engineers' contracts or task orders (or any instrument) shall be approved by the HQUSACE Foreign Disclosure Officer or higher before beginning work on the contract/task order. This regulation includes subcontractor employees. (NOTE: exceptions to the above requirement include foreign nationals who perform janitorial and/or ground maintenance services.) The contractor shall submit to the Division/District Contract Office, the names of all foreign nationals proposed for

performance under this contract/task order, along with documentation to verify that he/she was legally admitted into the United States and has authority to work and/or go to school in the US. Such documentation may include a US passport, Certificate of US citizenship (INS Form N-560 or N-561), Certificate of Naturalization (INS Form N-550 or N-570), foreign passport with I-551 stamp or attached INS Form I-94 indicating employment authorization, Alien Registration Receipt Card with photograph (INS Form I-151 or I-551), Temporary Resident Card (INS Form I-688), Employment Authorization Card (INS Form I-688A), Reentry Permit (INS Form I-327), Refugee Travel Document (INS Form I-571), Employment Authorization Document issued by the INS which contains a photograph (INS Form I-688B).

Classified contracts require the issuance of a DD Form 254 (Department of Defense Contract Security Classification Specification).

CLAUSES INCORPORATED BY REFERENCE

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| 52.202-1 | Definitions | JUL 2004 |
| 52.203-3 | Gratuities | APR 1984 |
| 52.203-5 | Covenant Against Contingent Fees | APR 1984 |
| 52.203-6 | Restrictions On Subcontractor Sales To The Government | SEP 2006 |
| 52.203-7 | Anti-Kickback Procedures | JUL 1995 |
| 52.203-8 | Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity | JAN 1997 |
| 52.203-10 | Price Or Fee Adjustment For Illegal Or Improper Activity | JAN 1997 |
| 52.203-12 | Limitation On Payments To Influence Certain Federal Transactions | SEP 2007 |
| 52.204-4 | Printed or Copied Double-Sided on Recycled Paper | AUG 2000 |
| 52.204-8 | Annual Representations and Certifications | NOV 2011 |
| 52.209-5 | Certification Regarding Responsibility Matters | APR 2010 |
| 52.209-6 | Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment | SEP 2006 |
| 52.215-1 | Instructions to Offerors – Competitive Acquisition- ALT II | JAN 2004 |
| 52.215-2 | Audit and Records--Negotiation | MAR 2009 |
| 52.215-8 | Order of Precedence--Uniform Contract Format | OCT 1997 |
| 52.215-10 | Price Reduction for Defective Cost or Pricing Data | AUG 2011 |
| 52.215-11 | Price Reduction for Defective Cost or Pricing Data – Modifications | AUG 2011 |
| 52.215-14 | Integrity of Unit Prices | OCT 2010 |
| 52.215-15 | Pension Adjustments and Asset Reversions | OCT 2010 |
| 52.215-16 | Facilities Capital Cost of Money | JUN 2003 |
| 52.215-17 | Waiver of Facilities Capital Cost of Money | OCT 1997 |

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| 52.215-21 | Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data—Modifications | OCT 1997 |
| 52.215-22 | Limitations on Pass-Through Charges—Identification of Subcontract Effort | OCT 2009 |
| 52.215-23 | Limitations on Pass-Through Charges | OCT 2009 |
| 52.216-7 | Allowable Cost and Payment | JUN 2011 |
| 52.216-8 | Fixed Fee | JUN 2011 |
| 52.216-11 | Cost Contract—No Fee | APR 1984 |
| 52.219-1 | Small Business Program Representations | APR 2011 |
| 52.219-8 | Utilization of Small Business Concerns | JAN 2011 |
| 52.219-9 Alt II | Small Business Subcontracting Plan Alternate II | JAN 2011 |
| 52.219-28 | Post-Award Small Business Program Representation | APR 2009 |
| 52.222-2 | Payment for Overtime Premiums | JUL 1990 |
| 52.222-3 | Convict Labor | JUN 2003 |
| 52.222-21 | Prohibition Of Segregated Facilities | FEB 1999 |
| 52.222-22 | Previous Contracts and Compliance Reports | FEB 1999 |
| 52.222-26 | Equal Opportunity | MAR 2007 |
| 52.222-35 | Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-36 | Affirmative Action For Workers With Disabilities | JUN 1998 |
| 52.222-37 | Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans | SEP 2006 |
| 52.222-38 | Compliance with Veterans' Employment Reporting Requirements | SEP 2010 |
| 52.222-40 | Notification of Employee Rights Under the National Labor Relations Act | DEC 2010 |
| 52.222-50 | Combating Trafficking in Persons | FEB 2009 |
| 52.222-54 | Employment Eligibility Verification | JAN 2009 |
| 52.223-5 | Pollution Prevention and Right-to-Know Information | MAY 2011 |
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| 52.223-16 Alt I | IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (Dec 200&0 Alternate I | DEC 2007 |
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| 52.223-18 | Encouraging Contractor Policies to Ban Text Messaging While Driving | AUG 2011 |
| 52.225-13 | Restrictions on Certain Foreign Purchases | JUN 2008 |
| 52.225-25 | Prohibition on Contracting with Entities Engaging in Sanctioned Activities Relating to Iran-Representation and Certification | NOV 2011 |

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| 52.227-1 Alt I | Authorization And Consent (Dec 2007) - Alternate I | APR 1984 |
| 52.227-2 | Notice And Assistance Regarding Patent And Copyright Infringement | DEC 2007 |
| 52.230-2 | Cost Accounting Standards | OCT 2010 |
| 52.230-3 | Disclosure and Consistency of Cost Accounting Practices | OCT 2008 |
| 52.230-5 | Cost Accounting Standards-Educational Institution | OCT 2010 |
| 52.230-6 | Administration of Cost Accounting Standards | JUN 2010 |
| 52.230-7 | Proposal Disclosure—Cost Accounting Practice Changes | APR 2005 |
| 52.232-9 | Limitation On Withholding Of Payments | APR 1984 |
| 52.232-17 | Interest | OCT 2008 |
| 52.232-20 | Limitation of Cost | APR 1984 |
| 52.232-23 | Assignment Of Claims | JAN 1986 |
| 52.232-25 | Prompt Payment—ALT 1 | OCT 2008 |
| 52.232-33 | Payment by Electronic Funds Transfer--Central Contractor Registration | OCT 2003 |
| 52.233-1 | Disputes | JUL 2002 |
| 52.233-3 Alt 1 | Protest After Award Alt 1 | AUG 1996 |
| 52.239-1 | Privacy or Security Safeguards | AUG 1996 |
| 52.242-1 | Notice of Intent to Disallow Costs | APR 1984 |
| 52.243-3 | Penalties for Unallowable Costs-->\$500,000 | MAY 2001 |
| 52.242-13 | Bankruptcy | JUL 1995 |
| 52.242-15 | Stop Work Order | AUG 1989 |
| 52.243-1 Alt V | Changes—Cost Reimbursement - Alt V | AUG 1987 |
| 52.244-2 | Subcontracts | |
| 52.244-5 | Competition in Subcontracting | DEC 1996 |
| 52.245-1 | Government Property | AUG 2010 |
| 52.245-1 Alt II | Government Property Alt II | OCT 2010 |
| 52.245-9 | Use and Charges | JUN 2007 |
| 52.246-8 | Inspection of Research and Development—Cost Reimbursement | AUG 2010 MAY 2001 |
| 52.246-25 | Limitation Of Liability--Services | FEB 1997 |
| 52.249-6 | Termination (Cost Reimbursement) | MAY 2004 |
| 52.249-5 | Termination for the Convenience of the Government (Educational and Other Nonprofit Institutions) | SEP 1996 |
| 52.249-14 | Excusable Delays | APR 1984 |
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| 252.203-7000 | Requirements Relating to Compensation of Former DoD Officials | JAN 2009 |

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| 252.203-7001 | Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies | DEC 2008 |
| 252.203-7002 | Requirement to Inform Employees of Whistleblower Rights | JAN 2009 |
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| 252.204-7000 | Disclosure Of Information | DEC 1991 |
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| Alt A | Alternate A | |
| 252.204-7005 | Oral Attestation of Security Responsibilities | NOV 2001 |
| 252.205-7000 | Provision of Information To Cooperative Agreement Holders | DEC 1991 |
| 252.209-7004 | Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country | DEC 2006 |
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| 252.222-7006 | Restrictions on the Use of Mandatory Arbitration Agreements | DEC 2010 |
| 252.223-7004 | Drug-Free Work Force | SEP 1988 |
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| 252.226-7001 | Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns | SEP 2004 |
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| 252.227-7014 | Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation | MAR 2011 |
| 252.227-7016 | Rights in Bid or Proposal Information | JAN 2011 |
| 252.227-7017 | Identification and Assertion of Use, Release, or Disclosure Restrictions | |
| 252.227-7019 | Validation of Asserted Restrictions—Computer Software | SEP 2011 |
| 252.227-7020 | Rights in Special Works | JUN 1995 |
| 252.227-7021 | Rights In Data--Existing Works | MAR 1979 |
| 252.227-7025 | Limitations on the Use or Disclosure of Government Furnished Information Marked with Restrictive Legends | MAR 2011 |

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| 252.227-7027 | Deferred Ordering Of Technical Data Or Computer Software | APR 1988 |
| 252.227-7028 | Technical Data or Computer Software Previously Delivered to the Government | JUN 1995 |
| 252.227-7030 | Technical Data—Withholding of Payment | MAR 2000 |
| 252.227-7032 | Rights in Technical Data and Computer Software (Foreign) | JUN 1975 |
| 252.227-7037 | Validation of Restrictive Markings on Technical Data | SEP 2011 |
| 252.227-7038 | Patent Rights--Ownership by the Contractor (Large Business) | DEC 2007 |
| 252.231-7000 | Supplemental Cost Principles | DEC 1991 |
| 252.232-7003 | Electronic Submission of Payment Requests and Receiving Reports | MAR 2008 |
| 252.232-7007 | Limitation of Government's Obligation | MAY 2006 |
| 252.235-7010 | Acknowledgment of Support and Disclaimer | MAY 1995 |
| 252.243-7001 | Pricing Of Contract Modifications | DEC 1991 |
| 252.243-7002 | Requests for Equitable Adjustment | MAR 1998 |
| 252.244-7000 | Subcontracts for Commercial Items and Commercial Components (DoD Contracts) | AUG 2009 |
| 252.247-7023 | Transportation of Supplies by Sea | MAY 2002 |
| 252.247-7024 | Notification Of Transportation Of Supplies By Sea | MAR 2000 |
| 252.251-7000 | Ordering From Government Supply Sources | NOV 2004 |

CLAUSES INCORPORATED BY FULL TEXT

52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)

United States law will apply to resolve any claim of breach of this contract.

(End of clause)

252.204-7006 BILLING INSTRUCTIONS (OCT 2005)

When submitting a request for payment, the Contractor shall--

(a) Identify the contract line item(s) on the payment request that reasonably reflect contract work performance; and

(b) Separately identify a payment amount for each contract line item included in the payment request.

(End of clause)

252.232-7010 LEVIES ON CONTRACT PAYMENTS (DEC 2006)

(a) 26 U.S.C. 6331(h) authorizes the Internal Revenue Service (IRS) to continuously levy up to 100 percent of contract payments, up to the amount of tax debt.

(b) When a levy is imposed on a payment under this contract and the Contractor believes that the levy may result in an inability to perform the contract, the Contractor shall promptly notify the Procuring Contracting Officer in writing, with a copy to the Administrative Contracting Officer, and shall provide--

(1) The total dollar amount of the levy;

(2) A statement that the Contractor believes that the levy may result in an inability to perform the contract, including rationale and adequate supporting documentation; and

(End of Clause)

ATTACHMENT C

ADDITIONAL
REPRESENTATIONS AND CERTIFICATIONS
FROM OFFERORS
FAR/DFARS

CERTIFICATION, SIGNATURE

(If the person signing this contract/offer is other than the secretary/treasurer, vice-president, or president of the organization and the amount of the contract/offer is in excess of \$100,000, the following certificate must be completed.)

I, _____, certify that I am secretary to the organization named as Contractor herein; that _____, who signed this contract on behalf of the Contractor, was then _____ of said organization; that said contract was duly signed for on behalf of said organization by authority of its governing body and is within scope of its power.

SECRETARY

52.204-8 – Annual Representations and Certifications (Nov 2011)

NOTE: Please see FAR for full text of this clause.

- 1) The North American Industry classification System (NAICS) code for this acquisition is 541712.
- (2) The small business size standard is 500 employees.
- (3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.
- (d) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

| FAR Clause | Title | Date | Change |
|------------|-------|------|--------|
| | | | |
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of Provision)

DFARS 252.209-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (JAN 2009)
(Applicable if contract is expected to be \$100,000 or more.)

(a) *Definitions.* As used in this provision—

- (1) “Government of a terrorist country” includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.
- (2) “Terrorist country” means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for acts of international terrorism. As of the date of this provision, terrorist countries subject to this provision include: Cuba, Iran, Sudan, and Syria.
- (3) “Significant interest” means—
 - (i) Ownership of or beneficial interest in 5 percent or more of the firm’s or subsidiary’s securities. Beneficial interest includes holding 5 percent or more of any class of the firm’s securities in “nominee shares,” “street names,” or some other method of holding securities that does not disclose the beneficial owner;
 - (ii) Holding a management position in the firm, such as a director or officer;
 - (iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;
 - (iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or
 - (v) Holding 50 percent or more of the indebtedness of a firm.

(b) *Prohibition on award.* In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary,

the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) *Disclosure.* If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include—

- (1) Identification of each government holding a significant interest; and
- (2) A description of the significant interest held by each government.

(End of provision)

DFARS 252.209-7002 DISCLOSURE OF OWNERSHIP OR CONTROL BY A FOREIGN GOVERNMENT (JUN 2010)
(Applicable if access to proscribed information is necessary for contract performance.)

(a) *Definitions.* As used in this provision—

(1) “Effectively owned or controlled” means that a foreign government or any entity controlled by a foreign government has the power, either directly or indirectly, whether exercised or exercisable, to control the election, appointment, or tenure of the Offeror’s officers or a majority of the Offeror’s board of directors by any means, e.g., ownership, contract, or operation of law (or equivalent power for unincorporated organizations).

(2) “Entity controlled by a foreign government”—

(i) Means—

(A) Any domestic or foreign organization or corporation that is effectively owned or controlled by a foreign government; or

(B) Any individual acting on behalf of a foreign government.

(ii) Does not include an organization or corporation that is owned, but is not controlled, either directly or indirectly, by a foreign government if the ownership of that organization or corporation by that foreign government was effective before October 23, 1992.

(3) “Foreign government” includes the state and the government of any country (other than the United States and its outlying areas) as well as any political subdivision, agency, or instrumentality thereof.

(4) “Proscribed information” means—

(i) Top Secret information;

(ii) Communications security (COMSEC) material, excluding controlled cryptographic items when unkeyed or utilized with unclassified keys;

(iii) Restricted Data as defined in the U.S. Atomic Energy Act of 1954, as amended;

(iv) Special Access Program (SAP) information; or

(v) Sensitive Compartmented Information (SCI).

(b) *Prohibition on award.* No contract under a national security program may be awarded to an entity controlled by a foreign government if that entity requires access to proscribed information to perform the contract, unless the Secretary of Defense or a designee has waived application of 10 U.S.C. 2536(a).

(c) *Disclosure.* The Offeror shall disclose any interest a foreign government has in the Offeror when that interest constitutes control by a foreign government as defined in this provision. If the Offeror is a subsidiary, it shall also disclose any reportable interest a foreign government has in any entity that owns or controls the subsidiary, including reportable interest concerning the Offeror’s immediate parent, intermediate parents, and the ultimate parent. Use separate paper as needed, and provide the information in the following format:

Offeror’s Point of Contact for Questions about Disclosure

(Name and Phone Number with Country Code, City Code and Area Code, as applicable)

Name and Address of Offeror

| Name and Address of Entity Controlled by a Foreign Government | Description of Interest, Ownership Percentage, and Identification of Foreign Government |
|---|---|
|---|---|

(End of provision)

**FAR 52.230-1 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION
(OCT 2008)**

(Applicable if proposed contract subject to CAS as specified in 48 CFR 9903.201 (FAR Appendix))

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. Disclosure Statement -- Cost Accounting Practices and Certification

(a) Any contract in excess of \$650,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

Caution: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

* (1) *Certificate of Concurrent Submission of Disclosure Statement.* The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows:

(i) Original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable; and

(ii) One copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or Federal Official Where Filed: _____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

* (2) *Certificate of Previously Submitted Disclosure Statement.* The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____ Name and Address of Cognizant ACO or Federal Official Where Filed:

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

* (3) *Certificate of Monetary Exemption.* The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling \$50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

* (4) *Certificate of Interim Exemption.* The offeror hereby certifies that

(i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and

(ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

Caution: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of \$50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. Cost Accounting Standards -- Eligibility for Modified Contract Coverage

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

* The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than \$50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of \$50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of \$50 million or more.

III. Additional Cost Accounting Standards Applicable to Existing Contracts

The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

* yes * no

(End of Provision)

Alternate I (Apr 1996). As prescribed in 30.201-3(b), add the following subparagraph (c)(5) to Part I of the basic provision:

* (5) *Certificate of Disclosure Statement Due Date by Educational Institution.* If the offeror is an educational institution that, under the transition provisions of 48 CFR 9903.202-1(f), is or will be required to submit a Disclosure Statement after receipt of this award, the offeror hereby certifies that (check one and complete):

* (i) A Disclosure Statement Filing Due Date of _____ has been established with the cognizant Federal agency.

* (ii) The Disclosure Statement will be submitted within the 6-month period ending _____ months after receipt of this award.

Name and Address of Cognizant ACO or Federal Official
Where Disclosure Statement is to be Filed:

FAR 52.242-4 CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)

(a) The Contractor shall --

(1) Certify any proposal to establish or modify final indirect cost rates;

(2) Use the format in paragraph (c) of this clause to certify; and

(3) Have the certificate signed by an individual of the Contractor's organization at a level no lower than a vice president or chief financial officer of the business segment of the Contractor that submits the proposal.

(b) Failure by the Contractor to submit a signed certificate, as described in this clause, may result in final indirect costs at rates unilaterally established by the Contracting Officer.

(c) The certificate of final indirect costs shall read as follows:

CERTIFICATE OF INDIRECT COSTS

This is to certify that I have reviewed this proposal to establish final indirect cost rates and to the best of my knowledge and belief:

1. All costs included in this proposal _____ (identify proposal and date) to establish final indirect cost rates for _____ (identify period covered by rate) are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) and its supplements applicable to those contracts to which the final indirect cost rates will apply; and

2. This proposal does not include any costs, which are expressly unallowable under applicable cost principles of the FAR or its supplements.

FIRM: _____
SIGNATURE: _____
NAME OF CERTIFYING OFFICIAL: _____
TITLE: _____
DATE OF EXECUTION: _____

(End of Clause)

DFARS 252.204-7004 REQUIRED CENTRAL CONTRACTOR REGISTRATION

(a) Definitions. As used in this clause-

(1) "Central Contractor Registration (CCR) database" means the primary DoD repository for contractor information required for the conduct of business with DoD.

(2) "Data Universal Number System (DUNS) number" means the 9-digit number assigned by Dun and Bradstreet Information Services to identify unique business entities.

(3) "Data Universal Numbering System +4 (DUNS+4) number" means the DUNS number assigned by Dun and Bradstreet plus a 4-digit suffix that may be assigned by a parent (controlling) business concern. This 4-digit suffix may be assigned at the discretion of the parent business concern for such purposes as identifying subunits or affiliates of the parent business concern.

(4) "Registered in the CCR database" means that all mandatory information, including the DUNS number or the DUNS+4 number, if applicable, and the corresponding Commercial and Government Entity (CAGE) code, is in the CCR database; the DUNS number and the CAGE code have been validated; and all edits have been successfully completed.

(b)(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee must be registered in the CCR database prior to award, during performance, and through final payment of any contract resulting from this solicitation, except for awards to foreign vendors for work to be performed outside the United States.

(2) The offeror shall provide its DUNS or, if applicable, its DUNS+4 number with its offer, which will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(3) Lack of registration in the CCR database will make an offeror ineligible for award.

(4) DoD has established a goal of registering an applicant in the CCR database within 48 hours after receipt of a complete and accurate application via the Internet. However, registration of an applicant submitting an application through a method other than the Internet may take up to 30 days. Therefore, offerors that are not registered should consider applying for registration immediately upon receipt of this solicitation.

(c) The Contractor is responsible for the accuracy and completeness of the data within the CCR, and for any liability resulting from the Government's reliance on inaccurate or

incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to confirm on an annual basis that its information in the CCR database is accurate and complete.

(d) Offerors and contractors may obtain information on registration and annual confirmation requirements by calling 1-888-227-2423, or via the Internet at <http://www.ccr.gov>.

(End of clause)

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA

(Applicable if procurement greater than SAT).

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it-

_____ Does anticipate that supplies will be transported by sea in the

_____ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)